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GEOLAB NOR

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OLJEDIREKTORATET

Geochemical Report for Well NOCS 9/2-1

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Chapter 1

INTRODUCTION

The NOCS well 9/2-1, analysed on behalf of Norsk Agip, is located south of the Egersund Basin, situated 57°49'58.10" N, 04°31'27.92" E. The well was drilled by Statoil in 1987 to a total depth of 3756 m in the Triassic Skagerak Fm. and plugged/abandoned as an oil/gas discovery. The water depth at the location is 99 m and the KBE was 29 m. All depths given are relative to KB unless otherwise specified. The location of the well is shown in Figure 1.

The objectives of analysing this well, which is part of a larger study, are as follows:

- Evaluation of potential source rock units within the Jurassic.
- Point out any hydrocarbon bearing intervals present in the well.
- Evaluation of the thermal maturity trend throughout the well.

Both screening and optical analyses were performed on samples from the interval 2422 - 3718 m. The samples were 241 cuttings samples and 50 conventional cores. All analyses were conducted by Geolab Nor and the report is divided into chapters according to the various analytical methods used. Within the chapters the results are mainly discussed in a stratigraphic context.

1.1 General Comments

The cuttings samples, collected at the Norwegian Petroleum Directorate, were washed,

lithologically described and selected lithologies picked before analyses commenced. The conventional cores, available as core-chips, were analysed after cleansing of any superficial contamination.

1.2 Analytical Program

In accordance with the contract and sample availability, the following analytical programme was executed for well NOCS 9/2-1 in the interval 793 - 3754 m.

<u>Analysis type</u>	<u>No of sample</u>	<u>Figures</u>	<u>Tables</u>
Lithology description	241	2	1
TOC	83	2,3	1,2
Rock-Eval pyrolysis	83	3,4,5	2
Vitrinite reflectance	33	6	3
Visual kerogen microscopy	20	7	4,5

Abbreviations

List of abbreviations used for lithology description (sorted alphabetically)

ang	= angular
bar	= Baryte (mud additive)
bit	= bituminous
bl	= blue/blueish
blk	= black
br	= brittle
brn	= brown/brownish
Ca	= Carbonate (limestone/chalk/dolomite/siderite)
calc	= calcareous
carb	= carbonaceous
cem	= cement used as additive (under "cont") or to describe cemented S/Sst
Chert	= Chert
chk	= Chalk/chalky
cly	= clayey/shaly
cngl	= conglomeratic
Coal	= Coal
Coal-ad	= Coal-like additive (e.g. chromlignosulfonate)
Congl	= Conglomerat
Cont	= Contamination(s)
crs	= coarse grained
dd	= dried drilling mud
dol	= Dolomite/dolomitic
drk	= dark (colour)
dsk	= dusk/dusky (colour)
evap	= Salt/Gypsum/Halite (natural "Other" or as additive "Cont")
f	= fine grained
fe	= ferruginous
fib	= fibres (mud additive/contamination)
fis	= fissile
fos	= fossiliferous
glauc	= glauconite/glaucous
gn	= green/greenish
gy	= grey/greyish
hd	= hard
ign	= Igneous (material derived from igneous source)
Kaolin	= Kaolin(ite)
kln	= kaolinitic
l	= loose
lam	= laminated/laminae
lt	= light (colour)
m	= medium (colour or grain size)
Marl	= Marl (calcareous claystone/mudstone)
mic	= micaceous
Mica-ad	= Mica used as mud additive

mrl	= marly
No Mat.	= No material left over after washing
ns	= nutshells (mud additive)
ol	= olive
ool	= Oolite/oolitic
or	= orange
Other	= Other lithology/mineral, specified after this word
pi	= pink/pinkish
pl	= pale (colour)
prp	= paint/rust/plastic contaminations/additives
pu	= purple
pyr	= Pyrite/pyritic
red	= red/reddish
rnd	= round/rounded
s	= sandy
sft	= soft
S/Sst	= Sand and/or sandstone
Sh/Clst	= Shale and/or claystone
sid	= Siderite/sideritic
sil	= siliceous/cherty
slt	= silty
Sltst	= siltstone
st	= stained (with natural oil or oil-like additive)
tar-ad	= Tar-like additive (e.g. "Black Magic")
trbfgs	= turbodrilled fragments
Tuff	= Tuff
tuff	= tuffaceous
v col	= various colours
w	= white
wx	= waxy
y	= yellow/yellowish

Analytical Methods

This is a brief description of the various analytical methods and instruments used by Geolab Nor, the importance and use of the results. Interpretation limits of numeric values are given in the "Interpretation Limits".

TOC

Total organic carbon analysis of a rock indicates how much organic material is present in wt %. Either from a LECO or Rock-Eval instrument. Important for quantifying source rocks.

Rock-Eval

This instrument determines the amounts of free hydrocarbons (S1), the amounts of material (pyrolysate) generated from kerogen (S2) and oxidised organic material (S3) plus gives a maturity indication (Tmax). It is used to identify zones of migrated hydrocarbons (high S1), rich source rocks (high S2), oxidized kerogen (high S3) and to get a first estimate of the maturity (empirical Tmax scale). Kerogen type can be estimated by the hydrogen index (HI). This parameter is however, maturity dependent. See "Interpretation Limits" for interpretation of values.

Vitrinite Reflectance

This is the primary maturation parameter. The Ro is measured in percent by the use of a special microscope and can empirically be related to the temperatures in which oil generation occurs (e.g. Geolab Nor consider that oil generation starts in earnest at 0.6 % Ro, and is mostly finished by 1.0 % Ro for a rich oil-prone source rock).

Visual Kerogen Microscopy

The examination of kerogen concentrate smear slides under a special microscope can give estimates as to the amount and quality of the kerogen (e.g. oil- or gas-prone) and its maturity using spore colour (SCI or TAI). The SCI maturity scale can be related to the vitrinite reflectance maturity scale.

Appendix 1

Tables

- 1 -

Table 1 : Lithology description for well NOCS 9/2-1

Depth unit of measure: m

Depth Int Cvd	Type TOC%	Grp %	Frm Lithology description	Age	Trb	Sample
793.00						0089
	75 Ca		: w, fos			0089-1L
	25 Cont		: cem, prp, dd			0089-2L
843.00						0090
	85 Ca		: w			0090-1L
	15 Chert		: lt brn gy, hd			0090-2L
	tr Cont		: prp			0090-3L
892.00						0091
	70 Ca		: w, fos			0091-1L
	25 Chert		: lt brn gy, hd			0091-2L
	5 Sh/Clist		: lt gy, calc			0091-4L
	tr Cont		: prp			0091-3L
934.00						0092
	90 Ca		: w, fos			0092-1L
	10 Chert		: lt brn gy, hd			0092-2L
	tr Cont		: prp			0092-3L
	tr Sh/Clist		: lt gy, calc			0092-4L
976.00						0093
	90 Ca		: w, fos			0093-1L
	10 Chert		: lt brn gy, hd			0093-2L
	tr Cont		: prp			0093-3L
	tr Sh/Clist		: lt gy, calc			0093-4L

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Table 1 : Lithology description for well NOCS 9/2-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1024.00						0094
	95	Ca	:	w		0094-1L
	5	Chert	:	lt brn gy, hd		0094-2L
	tr	Cont	:	prp		0094-3L
1060.00						0095
	95	Ca	:	w		0095-1L
	5	Chert	:	lt brn gy, hd		0095-2L
	tr	Cont	:	prp		0095-3L
1096.00						0096
	100	Ca	:	w		0096-1L
	tr	Chert	:	lt brn gy, hd		0096-2L
	tr	Cont	:	prp		0096-3L
	tr	Sh/Clst	:	lt gy, calc, pyr		0096-4L
1132.00						0097
	100	Ca	:	w		0097-1L
	tr	Cont	:	prp		0097-2L
	tr	Sh/Clst	:	lt gy, calc, pyr		0097-3L
1174.00						0098
	100	Ca	:	w		0098-1L
	tr	Cont	:	prp		0098-2L
	tr	Sh/Clst	:	lt gy, calc		0098-3L
1210.00						0099
	100	Ca	:	w		0099-1L
	tr	Cont	:	prp		0099-2L
	tr	Sh/Clst	:	lt gy, calc		0099-3L

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Table 1 : Lithology description for well NOCS 9/2-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1246.00						0100
		100	Ca	: w		0100-1L
		tr	Cont	: prp		0100-2L
		tr	Sh/Clst:	lt gy, calc		0100-3L
1270.00						0101
		100	Ca	: w		0101-1L
		tr	Sh/Clst:	lt gy, calc		0101-2L
1300.00						0102
		100	Ca	: w		0102-1L
		tr	Sh/Clst:	lt gy, calc		0102-2L
1330.00						0103
		100	Ca	: w		0103-1L
		tr	Sh/Clst:	lt gy, calc		0103-2L
1363.00						0104
		80	Ca	: w		0104-1L
		20	Marl	: lt gy w		0104-2L
1399.00						0105
		70	Ca	: w		0105-1L
		30	Marl	: lt gy w		0105-2L
		tr	Cont	: prp		0105-3L

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Table 1 : Lithology description for well NOCS 9/2-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
1435.00						0106
	95	Ca	:	w		0106-1L
	5	Sh/Clst	:	lt gy		0106-2L
1474.00						0107
	75	Ca	:	w, silt, glauc		0107-1L
	25	Sltst	:	gy w, calc, glauc		0107-2L
1513.00						0108
	60	Cont	:	dd, prp		0108-1L
	30	Ca	:	w		0108-2L
	10	Sh/Clst	:	brn gy to drk gy, hd, pyr, calc		0108-3L
1549.00						0109
	35	Sh/Clst	:	brn gy to drk gy, hd, pyr, calc		0109-3L
	30	Cont	:	dd, prp		0109-1L
	20	Sh/Clst	:	y gy, calc		0109-4L
	15	Ca	:	w		0109-2L
1594.00						0110
	45	Cont	:	dd, prp		0110-1L
	40	Sh/Clst	:	brn gy to drk gy, hd, pyr, calc		0110-3L
	10	Ca	:	w		0110-2L
	5	Sh/Clst	:	y gy, calc		0110-4L
1630.00						0111
	85	Sh/Clst	:	brn gy to drk gy, calc		0111-3L
	15	Ca	:	w		0111-2L
	tr	Cont	:	dd, prp		0111-1L

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Table 1 : Lithology description for well NOCS 9/2-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1666.00						0112
	75	Sh/Clist:	brn gy to drk gy, calc		0112-3L	
	15	Cont	: dd, prp		0112-1L	
	10	Ca	: w		0112-2L	
1705.00						0113
	90	Sh/Clist:	brn gy to drk gy, calc		0113-3L	
	5	Ca	: w		0113-2L	
	5	Marl	: or gy		0113-4L	
	tr	Cont	: dd, prp		0113-1L	
1735.00						0114
	80	Sh/Clist:	m gy to drk gy, slt, calc		0114-1L	
	20	Ca	: w		0114-2L	
1777.00						0115
	90	Sh/Clist:	m gy to drk gy, slt, calc		0115-1L	
	10	Ca	: w		0115-2L	
	tr	Cont	: prp		0115-3L	
1807.00						0116
	80	Sh/Clist:	m gy to drk gy, slt, calc		0116-1L	
	10	Ca	: w		0116-2L	
	10	Cont	: prp, dd		0116-3L	
1849.00						0117
	55	Sh/Clist:	m gy to drk gy, slt, calc		0117-1L	
	35	Cont	: prp, dd		0117-3L	
	10	Ca	: w		0117-2L	

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Table 1 : Lithology description for well NOCS 9/2-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1888.00					0118	
		85	Sh/Clist:	m gy, slt, calc	0118-1L	
		10	Cont	: prp, dd	0118-3L	
		5	Ca	: w	0118-2L	
1924.00					0119	
		90	Sh/Clist:	m gy, slt, calc	0119-1L	
		10	Cont	: prp, dd	0119-3L	
		tr	Ca	: w	0119-2L	
		tr	Marl	: or gy	0119-4L	
1960.00					0120	
		95	Sh/Clist:	m gy, slt, calc	0120-1L	
		5	Cont	: prp, dd	0120-3L	
		tr	Ca	: w	0120-2L	
		tr	Marl	: or gy	0120-4L	
1996.00					0121	
		60	Sh/Clist:	m gy, slt	0121-1L	
		35	S/Sst	: lt gy w, f, l	0121-2L	
		5	Ca	: w, fos	0121-3L	
		tr	Marl	: or gy	0121-4L	
2026.00					0122	
		70	Sh/Clist:	m gy, slt	0122-1L	
		20	S/Sst	: lt gy w, f, l	0122-2L	
		5	Ca	: w, fos	0122-3L	
		5	Cont	: dd	0122-5L	
		tr	Marl	: or gy	0122-4L	

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Table 1 : Lithology description for well NOCS 9/2-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2056.00						0123
	55	Sh/Clst:	m	gy, slt	0123-1L	
	40	S/Sst	: lt	gy w, f, l	0123-2L	
	5	Ca	:	w, fos	0123-3L	
	tr	Marl	:	or gy	0123-4L	
	tr	Cont	:	dd	0123-5L	
2092.00						0124
	50	S/Sst	: lt	gy w, f, l	0124-2L	
	40	Sh/Clst:	m	gy, slt	0124-1L	
	10	Cont	:	dd	0124-4L	
	tr	Ca	:	w, fos	0124-3L	
2128.00						0125
	70	Sh/Clst:	m	gy, slt	0125-1L	
	25	S/Sst	: lt	gy w, f, l	0125-2L	
	5	Cont	:	prp	0125-4L	
	tr	Ca	:	w	0125-3L	
	tr	Marl	:	or gy	0125-5L	
2164.00						0126
	60	S/Sst	: lt	gy w, f, slt, l	0126-2L	
	30	Sh/Clst:	m	gy, slt, calc	0126-1L	
	5	Cont	:	prp, dd	0126-4L	
	5	Marl	:	or gy	0126-5L	
	tr	Ca	:	w	0126-3L	
2194.00						0127
	85	Sh/Clst:	m	gy, slt, calc	0127-1L	
	10	S/Sst	: lt	gy w, f, l	0127-2L	
	5	Marl	:	or gy to lt or	0127-5L	
	tr	Ca	:	w	0127-3L	
	tr	Cont	:	prp, dd	0127-4L	

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Table 1 : Lithology description for well NOCS 9/2-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
2230.00						0128
	80	Sh/Clst:	m gy, slt, calc			0128-1L
	10	Marl	: or gy to lt or			0128-4L
	5	S/Sst	: lt gy w, f, l			0128-2L
	5	Cont	: prp, dd			0128-3L
2269.00						0129
	70	Sh/Clst:	m gy, slt, calc			0129-1L
	25	Cont	: prp, dd			0129-2L
	5	Marl	: or gy to lt or			0129-3L
2302.00						0130
	50	Sh/Clst:	m gy, slt			0130-1L
	45	Cont	: dd, prp, fib			0130-2L
	5	Marl	: or gy to lt or			0130-3L
2338.00						0131
	95	Sh/Clst:	m gy, slt			0131-1L
	5	Marl	: or gy to lt or			0131-2L
2383.00						0132
	85	Sh/Clst:	m gy, slt			0132-1L
	15	Marl	: or gy to lt or			0132-2L
	tr	Cont	: dd, prp			0132-3L
2404.00						0133
	80	Sh/Clst:	m gy, slt			0133-1L
	15	Cont	: dd, prp			0133-3L
	5	Marl	: or gy to lt or			0133-2L

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Table 1 : Lithology description for well NOCS 9/2-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2413.00						0134
	90	Sh/Clist:	m gy to brn gy		0134-1L	
	10	Cont	: dd, prp		0134-3L	
		tr Marl	: or gy to lt or		0134-2L	
2422.00						0135
	0.87	95	Sh/Clist:	m gy to drk gy, slt	0135-1L	
		5	Cont	: dd, prp	0135-3L	
		tr Marl	: or gy to lt or		0135-2L	
2431.00						0136
	90	Sh/Clist:	m gy to drk gy, slt		0136-1L	
	10	Cont	: dd, prp		0136-3L	
		tr Marl	: or gy to lt or		0136-2L	
2440.00						0137
	0.82	100	Sh/Clist:	m gy to drk gy, slt, fis	0137-1L	
			tr Marl	: or gy to lt or	0137-2L	
			tr Cont	: dd, prp	0137-3L	
2449.00						0138
	0.89	90	Sh/Clist:	m gy to drk gy, slt, fis	0138-1L	
		10	Cont	: dd, prp	0138-2L	
2458.00						0139
	75	Sh/Clist:	m gy to drk gy, slt, fis		0139-1L	
	25	Cont	: prp, dd		0139-2L	

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Table 1 : Lithology description for well NOCS 9/2-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2467.00					0140	
		70	Sh/Clst:	m gy to drk gy, slt, fis	0140-1L	
		30	Cont	: prp, dd	0140-2L	
2476.00					0141	
	0.82	75	Sh/Clst:	m gy, slt, fis	0141-1L	
		25	Cont	: prp, dd	0141-2L	
2482.00					0142	
		75	Sh/Clst:	m gy, slt, fis	0142-1L	
		25	Cont	: prp, dd	0142-2L	
2491.00					0143	
		85	Sh/Clst:	m gy to brn gy	0143-1L	
		15	Cont	: prp, dd	0143-2L	
2500.00					0144	
	0.80	90	Sh/Clst:	m gy to drk gy	0144-1L	
		10	Cont	: prp, dd	0144-2L	
2509.00					0145	
		65	Sh/Clst:	m gy to drk gy	0145-1L	
		35	Cont	: dd, prp	0145-2L	
2518.00					0146	
	0.86	95	Sh/Clst:	m gy to drk gy	0146-1L	
		5	Cont	: dd, prp	0146-2L	

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Table 1 : Lithology description for well NOCS 9/2-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
2527.00						0147
		95	Sh/Clst:	m gy to drk gy		0147-1L
		5	Cont	: dd, prp		0147-2L
2536.00						0148
		95	Sh/Clst:	m gy to drk gy to brn gy		0148-1L
		5	Cont	: dd, prp		0148-2L
2545.00						0149
	0.82	75	Sh/Clst:	m gy to drk gy		0149-1L
		25	Cont	: dd, prp		0149-2L
2554.00						0150
		65	Sh/Clst:	m gy to drk gy to brn gy		0150-1L
		35	Cont	: dd, prp		0150-2L
2563.00						0151
	0.92	80	Sh/Clst:	m gy to drk gy to brn gy		0151-1L
		20	Cont	: dd, prp		0151-2L
2572.00						0152
		75	Sh/Clst:	m gy to drk gy to brn gy		0152-1L
		25	Cont	: dd, prp		0152-2L
2581.00						0153
	0.94	70	Sh/Clst:	m gy to drk gy to brn gy		0153-1L
		30	Cont	: dd, prp		0153-2L

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Table 1 : Lithology description for well NOCS 9/2-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
2590.00						0154
		70	Sh/Clist:	m gy to drk gy to brn gy	0154-1L	
		30	Cont	: dd, prp	0154-2L	
2599.00						0155
	0.86	75	Sh/Clist:	m gy to drk gy	0155-1L	
		25	Cont	: dd, prp	0155-2L	
2608.00						0156
		50	Sh/Clist:	m gy to drk gy	0156-1L	
		50	Cont	: cem, prp, dd, tar-ad	0156-2L	
2617.00						0157
	0.92	60	Sh/Clist:	m gy to drk gy	0157-1L	
		40	Cont	: cem, prp, dd, tar-ad	0157-2L	
2626.00						0158
		50	Sh/Clist:	m gy to drk gy	0158-1L	
		50	Cont	: cem, prp, dd, tar-ad	0158-2L	
2635.00						0159
		80	Sh/Clist:	m gy to drk gy, fis	0159-1L	
		20	Cont	: cem, prp, dd	0159-2L	
2644.00						0160
	0.82	65	Sh/Clist:	m gy to drk gy, fis	0160-1L	
		35	Cont	: cem, prp, dd	0160-2L	

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Table 1 : Lithology description for well NOCS 9/2-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2653.00						0161
		50	Sh/Clst:	m gy to drk gy, fis	0161-1L	
		50	Cont	: cem, prp, dd	0161-2L	
2662.00						0162
	0.97	70	Sh/Clst:	m gy to drk gy, fis	0162-1L	
		30	Cont	: cem, prp, dd	0162-2L	
2671.00						0163
		80	Sh/Clst:	m gy to drk gy, fis	0163-1L	
		20	Cont	: cem, prp, dd	0163-2L	
2680.00						0164
		70	Sh/Clst:	m gy to drk gy, fis	0164-1L	
		30	Cont	: cem, prp, dd	0164-2L	
2689.00						0165
	0.92	80	Sh/Clst:	m gy to drk gy, fis	0165-1L	
		20	Cont	: prp, dd	0165-2L	
2698.00						0166
		85	Sh/Clst:	m gy to drk gy, fis	0166-1L	
		15	Cont	: prp, dd, cem	0166-2L	
2707.00						0167
		90	Sh/Clst:	m gy to drk gy, fis	0167-1L	
		10	Cont	: prp, dd, cem	0167-2L	

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Table 1 : Lithology description for well NOCS 9/2-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
2716.00						0168
	0.76	85	Sh/Clst:	m gy to drk gy, fis		0168-1L
		15	Cont	: prp, dd, cem, tar-ad		0168-2L
2725.00						0169
		95	Sh/Clst:	m gy to drk gy, fis		0169-1L
		5	Cont	: prp, dd, cem		0169-2L
2734.00						0170
		90	Sh/Clst:	m gy to drk gy, fis		0170-1L
		10	Cont	: prp, dd		0170-2L
2743.00						0171
		90	Sh/Clst:	m gy to drk gy, fis		0171-1L
		10	Cont	: prp, dd		0171-2L
2752.00						0172
	0.81	90	Sh/Clst:	m gy to drk gy		0172-1L
		10	Cont	: prp, dd		0172-2L
2761.00						0173
		85	Sh/Clst:	m gy to drk gy		0173-1L
		15	Cont	: prp, dd		0173-2L
2770.00						0174
		95	Sh/Clst:	m gy to drk gy		0174-1L
		5	Cont	: prp, dd		0174-2L

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Table 1 : Lithology description for well NOCS 9/2-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
2779.00						0175
	85	Sh/Clst:	m gy to drk gy		0175-1L	
	15	Cont	: prp, dd		0175-2L	
2788.00						0176
	0.75	85	Sh/Clst:	m gy to drk gy	0176-1L	
		15	Cont	: prp, dd	0176-2L	
2797.00						0177
	0.88	90	Sh/Clst:	m gy to drk gy	0177-1L	
		10	Cont	: prp, dd	0177-2L	
2806.00						0178
	90	Sh/Clst:	m gy to drk gy		0178-1L	
	10	Cont	: prp, dd		0178-2L	
2815.00						0179
	95	Sh/Clst:	m gy to drk gy, fis		0179-1L	
	5	Cont	: prp, dd		0179-2L	
2824.00						0180
	0.76	95	Sh/Clst:	m gy to drk gy, fis	0180-1L	
		5	Cont	: prp, dd	0180-2L	
2833.00						0181
	65	Sh/Clst:	m gy to drk gy, fis		0181-1L	
	35	Cont	: prp, dd		0181-2L	

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Table 1 : Lithology description for well NOCS 9/2-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2842.00					0182	
		90	Sh/Clst:	m gy to drk gy, fis	0182-1L	
		10	Cont	: prp, dd	0182-2L	
2851.00					0183	
	0.68	90	Sh/Clst:	m gy to drk gy, fis	0183-1L	
		10	Cont	: prp, dd	0183-2L	
2860.00					0184	
		95	Sh/Clst:	m gy to drk gy, fis	0184-1L	
		5	Cont	: prp, dd	0184-2L	
2869.00					0185	
	0.61	95	Sh/Clst:	m gy to drk gy, fis	0185-1L	
		5	Cont	: prp, dd	0185-2L	
2878.00					0186	
		85	Sh/Clst:	m gy to drk gy, fis	0186-1L	
		15	Cont	: prp, dd	0186-2L	
2887.00					0187	
	0.76	90	Sh/Clst:	m gy to drk gy, fis	0187-1L	
		10	Cont	: prp, dd	0187-2L	
2896.00					0188	
		100	Sh/Clst:	m gy to drk gy, fis	0188-1L	
		tr	Cont	: prp, dd	0188-2L	

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Table 1 : Lithology description for well NOCS 9/2-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
2905.00						0189
	0.60	95	Sh/Clst:	m gy to drk gy, calc, slt	0189-1L	
		5	Cont	: dd	0189-2L	
2914.00						0190
	85	Sh/Clst:	m gy to drk gy, slt		0190-1L	
	10	Marl	: lt gy w to lt gy		0190-3L	
	5	Cont	: dd		0190-2L	
2923.00						0191
	100	Sh/Clst:	m gy to drk gy, fis		0191-1L	
		tr Cont	: dd		0191-2L	
		tr Marl	: lt gy w to lt gy		0191-3L	
2932.00						0192
	0.66	100	Sh/Clst:	m gy to drk gy, fis	0192-1L	
			tr Cont	: dd	0192-2L	
			tr Marl	: lt gy w to lt gy	0192-3L	
2941.00						0193
	100	Sh/Clst:	m gy to drk gy, fis		0193-1L	
		tr Cont	: dd		0193-2L	
2950.00						0194
	0.70	100	Sh/Clst:	m gy to drk gy, fis	0194-1L	
			tr Cont	: dd	0194-2L	

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Table 1 : Lithology description for well NOCS 9/2-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
2959.00						0195
	100	Sh/Clist:	m gy to drk gy, fis		0195-1L	
		tr Cont	: dd		0195-2L	
2968.00						0196
	0.79	100	Sh/Clist:	m gy to drk gy, fis	0196-1L	
			tr Cont	: dd	0196-2L	
			tr Marl	: lt gy w to lt gy	0196-3L	
2977.00						0197
	100	Sh/Clist:	m gy to drk gy, fis		0197-1L	
		tr Cont	: dd		0197-2L	
		tr Marl	: lt gy w to lt gy		0197-3L	
2986.00						0198
	100	Sh/Clist:	m gy to drk gy, fis		0198-1L	
		tr Marl	: lt gy w to lt gy		0198-2L	
2995.00						0199
	0.88	100	Sh/Clist:	m gy to drk gy, fis	0199-1L	
			tr Marl	: lt gy w to lt gy	0199-2L	
3004.00						0200
	2.45	100	Sh/Clist:	drk gy to brn gy to dsk y brn	0200-1L	
			tr Marl	: lt gy w to lt gy	0200-2L	

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Table 1 : Lithology description for well NOCS 9/2-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3013.00						0201
	3.06	100	Sh/Clist:	drk gy to drk brn gy tr Coal : blk, wx	0201-1L 0201-2L	
3022.00						0202
	4.30	100	Sh/Clist:	drk gy to drk brn gy	0202-1L	
3031.00						0203
	3.15	100	Sh/Clist:	drk gy to brn blk	0203-1L	
3040.00						0204
	3.97	100	Sh/Clist:	drk gy to brn blk tr Cont : prp	0204-1L 0204-2L	
3049.00						0205
	3.18	100	Sh/Clist:	drk gy to brn blk	0205-1L	
3058.00						0206
	2.07	100	Sh/Clist:	m gy to drk gy to brn blk	0206-1L	
3067.00						0208
		100	Sh/Clist:	m gy to drk gy to brn blk	0208-1L	

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Table 1 : Lithology description for well NOCS 9/2-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3076.00					0209	
	1.03	100	Sh/Clst:	m gy to drk gy	0209-1L	
3085.00					0210	
	1.20	100	Sh/Clst:	m gy to drk gy	0210-1L	
3094.00					0211	
	1.16	100	Sh/Clst:	m gy to drk gy	0211-1L	
3103.00					0212	
	100	Sh/Clst:	m gy to drk gy	tr Coal : blk, wx	0212-1L	
					0212-2L	
3111.00	ccp				0281	
		100	Sh/Clst:	m gy to drk gy	0281-1L	
3112.00					0213	
	1.12	100	Sh/Clst:	m gy to drk gy	0213-1L	
		tr Coal	:	blk, wx	0213-2L	
3112.00	ccp				0282	
		100	Sh/Clst:	drk gy	0282-1L	

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Table 1 : Lithology description for well NOCS 9/2-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3113.00	ccp					0283
		100	Sh/Clst:	m gy to drk gy, fis		0283-1L
3114.00	ccp					0284
		100	Sh/Clst:	m gy to drk gy, fis		0284-1L
3115.00	ccp					0285
	1.15	100	Sh/Clst:	m gy to drk gy, fis		0285-1L
3116.00	ccp					0286
		100	Sh/Clst:	m gy to drk gy, mic		0286-1L
3117.00	ccp					0287
	0.93	100	Sh/Clst:	drk gy, mic		0287-1L
3117.75	ccp					0288
	1.13	100	Sh/Clst:	m gy, mic		0288-1L
3120.00	ccp					0289
		100	Sh/Clst:	m gy		0289-1L
3121.00						0214
		100	Sh/Clst:	drk gy, fis		0214-1L

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Table 1 : Lithology description for well NOCS 9/2-1

Depth unit of measure: m

Depth Int Cvd	Type TOC%	Grp %	Frm	Age Lithology description	Trb	Sample
3123.00	ccp					0290
	1.00	100	Sh/Clst:	m gy to drk gy, fis		0290-1L
3130.00						0215
	1.17	100	Sh/Clst:	m gy to drk gy, fis		0215-1L
3139.00						0216
	85	Sh/Clst:	m gy to drk gy, fis			0216-1L
	15	Sh/Clst:	brn gy, mic			0216-2L
		tr Marl :	lt or to or gy			0216-3L
3148.00						0217
	1.21	80	Sh/Clst:	m gy to drk gy, fis		0217-1L
		15	Sh/Clst:	lt brn gy to brn gy, mic		0217-2L
		5	Marl :	lt or to or gy		0217-3L
3157.00						0218
	70	Sh/Clst:	m gy to drk gy, fis			0218-1L
	30	Sh/Clst:	lt brn gy to brn gy, mic			0218-2L
		tr Marl :	lt or to or gy			0218-3L
3166.00						0219
	75	Sh/Clst:	m gy to drk gy, fis			0219-1L
	20	Sh/Clst:	lt brn gy to brn gy, mic			0219-2L
	5	S/Sst :	lt gy, slt			0219-3L

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Table 1 : Lithology description for well NOCS 9/2-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3174.30	ccp					0291
0.66	100	Sltst	:	gy w to lt brn gy		0291-1L
3174.70	ccp					0292
		100	Sltst	:	or gy to lt brn gy, hd	0292-1L
3175.00						0220
		70	Sh/Clst:	m gy to drk gy to brn gy, fis		0220-1L
		30	Sltst	:	lt gy w to lt gy, s, glauc	0220-2L
3178.55	ccp					0293
		100	Sltst	:	drk y brn to pl y brn, hd	0293-1L
3181.00	ccp					0294
1.00	100	Sltst	:	pl y brn, hd		0294-1L
3182.80	ccp					0295
		100	S/Sst	:	or gy to pl y brn, f, crs, hd	0295-1L
3184.00						0221
		60	Sh/Clst:	m gy to drk gy, fis		0221-1L
		40	S/Sst	:	lt gy w to gy w, slt, l	0221-2L
			tr Cont	:	dd	0221-3L

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Table 1 : Lithology description for well NOCS 9/2-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3186.30	ccp				0296	
		100	S/Sst	: or gy to pl y brn, f, crs, hd	0296-1L	
3189.70	ccp				0297	
		100	S/Sst	: pl y brn, f, hd	0297-1L	
3192.40	ccp				0298	
	0.88	100	S/Sst	: gy w to y gy, f, slt, hd	0298-1L	
3193.00					0222	
		75	Sh/Clst:	m gy to drk gy, fis	0222-1L	
		25	S/Sst	: lt gy w to gy w, slt, l	0222-2L	
			tr Cont	: dd	0222-3L	
3195.70	ccp				0299	
		100	Slstst	: lt gy, mic, hd	0299-1L	
3197.50	ccp				0305	
		100	Slstst	: gy w to lt gy, mic, hd	0305-1L	
3198.65	ccp				0303	
	0.32	100	Slstst	: gy w to lt gy, mic, hd	0303-1L	

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Table 1 : Lithology description for well NOCS 9/2-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
3199.10	ccp					0311
		100	S/Sst	: lt gy w to gy w, f, hd, fe		0311-1L
3199.40	ccp					0312
		100	S/Sst	: gy w to lt gy, crs, cngl, hd		0312-1L
3199.55	ccp					0300
		100	S/Sst	: lt or to m y brn to pl y brn, crs, hd		0300-1L
3200.00	ccp					0304
		100	S/Sst	: m y brn to pl y brn, crs, hd		0304-1L
3201.00	ccp					0301
		100	S/Sst	: lt or to m y brn to pl y brn, crs, hd		0301-1L
3202.00	ccp					0306
		100	S/Sst	: lt brn gy to m y brn to pl y brn, crs, hd		0306-1L
3203.85	ccp					0302
		100	Sltst	: gy w to lt gy, hd		0302-1L

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Table 1 : Lithology description for well NOCS 9/2-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3205.00						0223
				95 Sh/Clist: m gy to drk gy, fis .5 S/Sst : lt gy w to gy w, slt, l tr Cont : dd		0223-1L 0223-2L 0223-3L
3205.90	ccp					0307
		0.84	100	S/Sst : lt or to pl y brn, f, slt, hd		0307-1L
3207.20	ccp					0308
			100	S/Sst : lt brn gy to pl y brn, f, hd		0308-1L
3210.20	ccp					0309
			100	Sltst : gy w to y gy, s, hd		0309-1L
3213.50	ccp					0310
			100	S/Sst : lt brn gy to pl y brn, f, hd		0310-1L
3214.00						0224
		50	S/Sst : lt gy w to gy w, slt, l 40 Sh/Clist: m gy to drk gy, fis 10 Cont : dd			0224-2L 0224-1L 0224-3L
3215.70	ccp					0313
		0.11	100	S/Sst : lt brn gy to pl y brn, f, mic, hd		0313-1L

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Table 1 : Lithology description for well NOCS 9/2-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3223.00						0225
	60	Sh/Clst:	m gy to drk gy, fis		0225-1L	
	35	S/Sst :	lt gy w to gy w, slt, l		0225-2L	
	5	Cont :	dd, fib		0225-3L	
3231.00	ccp					0314
	0.68	100	Slstst	: m gy, mic, hd		0314-1L
3232.00						0226
	90	Sh/Clst:	drk gy to brn blk		0226-1L	
	5	S/Sst :	lt gy w to gy w, slt, l		0226-2L	
	5	Cont :	dd, fib		0226-3L	
3234.00	ccp					0315
	100	Slstst	: lt gy w to gy w, s, hd, fe			0315-1L
3238.00	ccp					0316
	100	Slstst	: lt brn gy, hd, fe			0316-1L
3241.00						0227
	60	Sh/Clst:	m gy to drk gy to brn blk		0227-1L	
	40	Cont :	dd		0227-2L	
3242.00	ccp					0317
	100	Slstst	: lt brn gy, hd, fe			0317-1L

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Table 1 : Lithology description for well NOCS 9/2-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3246.50	ccp				0318	
		100	S/Sst	: lt gy w, f, slt, hd	0318-1L	
3250.00					0228	
		65	Sh/Clist:	m gy to drk gy	0228-1L	
		35	Cont	: dd	0228-2L	
			tr Coal	: blk, wx	0228-3L	
3250.50	ccp				0319	
		100	S/Sst	: lt gy w, f, slt, hd	0319-1L	
3252.25	ccp				0320	
		100	S/Sst	: gy w to drk gy, f, cly, mic, hd	0320-1L	
3253.90	ccp				0321	
		100	Slstst	: lt brn gy, mic, carb, hd	0321-1L	
3256.50	ccp				0322	
		100	Slstst	: lt gy w, Mica-ad, carb, hd	0322-1L	
3258.80	ccp				0323	
70.68	75	Coal	:	blk, wx	0323-1L	
	25	Slstst	:	lt brn gy, carb	0323-2L	

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Table 1 : Lithology description for well NOCS 9/2-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
3259.00						0229
	55	Sh/Clst:	m gy to drk gy, fis			0229-1L
	40	S/Sst	: lt gy w to gy w, f, slt, l			0229-4L
	5	Cont	: dd			0229-2L
	tr	Coal	: blk, wx			0229-3L
3262.85	ccp					0324
	100	Sltst	: lt brn gy, mic, hd			0324-1L
3266.00	ccp					0325
	100	Sltst	: lt brn gy to brn gy, mic, hd			0325-1L
3268.00						0230
	95	Sh/Clst:	m gy to drk gy, fis			0230-1L
	5	Cont	: dd			0230-2L
	tr	Coal	: blk, wx			0230-3L
	tr	S/Sst	: lt gy w to gy w, f, slt, l			0230-4L
3271.54	ccp					0326
1.74	100	Sltst	: gy w to lt gy, carb, s, hd, fe			0326-1L
3276.65	ccp					0327
	100	Congl	: lt gy to lt brn to brn gy, hd			0327-1L
3277.00						0231
	60	Sh/Clst:	m gy to drk gy, fis			0231-1L
	35	S/Sst	: lt gy w to gy w, f, slt, l			0231-4L
	5	Cont	: dd			0231-2L
	tr	Coal	: blk, wx			0231-3L

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Table 1 : Lithology description for well NOCS 9/2-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
3279.75	ccp				0328	
		100	S/Sst	: gy w to m gy, f, mic, lam	0328-1L	
3282.55	ccp				0329	
		100	S/Sst	: gy w to m gy, f, mic, lam	0329-1L	
3285.45	ccp				0330	
		100	S/Sst	: lt gy w to gy w, f, slt, hd	0330-1L	
3286.00					0232	
1.63		100	Sh/Clist:	m gy to drk gy, fis	0232-1L	
		tr Cont	:	dd	0232-2L	
		tr Coal	:	blk, wx	0232-3L	
		tr S/Sst	:	lt gy w to gy w, f, slt, l	0232-4L	
3294.00					0233	
		50	Sh/Clist:	m gy to drk gy	0233-1L	
		35	Slstst	: lt gy w to lt or gy	0233-2L	
		15	Kaolin	: w	0233-3L	
3304.00					0234	
		50	Slstst	: lt gy w to lt or gy	0234-2L	
		40	Sh/Clist:	m gy to drk gy	0234-1L	
		10	Kaolin	: w	0234-3L	

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Table 1 : Lithology description for well NOCS 9/2-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
3313.00						0235
	17.51	75	Sh/Clst:	brn blk to y brn, carb, wx	0235-3L	
		15	Sh/Clst:	m gy to drk gy	0235-1L	
		10	Sltst :	lt gy w to lt or gy	0235-2L	
3322.00						0236
	3.10	70	Sh/Clst:	m gy to drk gy	0236-1L	
		25	Sltst :	lt gy w to lt or gy	0236-2L	
		5	Coal :	brn blk to blk, wx	0236-3L	
3331.00						0237
	4.51	60	Sh/Clst:	brn blk to dsk y brn, carb, wx	0237-3L	
		30	Sh/Clst:	m gy to drk gy	0237-1L	
		10	Sltst :	lt gy w to lt or gy	0237-2L	
3340.00						0238
		65	Sltst :	lt gy w to lt or gy	0238-2L	
		30	Sh/Clst:	m gy to drk gy	0238-1L	
		5	Cont :	dd	0238-4L	
			tr Sh/Clst:	brn blk to dsk y brn, carb, wx	0238-3L	
3349.00						0239
		75	S/Sst :	lt gy w to lt or gy, f, slt	0239-2L	
		25	Sh/Clst:	m gy to drk gy	0239-1L	
			tr Kaolin :	w	0239-3L	
3358.00						0240
	1.21	75	Sh/Clst:	m gy to drk gy	0240-1L	
		20	S/Sst :	lt gy w to lt or gy, f, slt	0240-2L	
		5	Kaolin :	w	0240-3L	

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Table 1 : Lithology description for well NOCS 9/2-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3367.00						0241
		80	Sh/Clist:	m gy to drk gy	0241-1L	
		15	S/Sst :	lt gy w to lt or gy, f, slt	0241-2L	
		5	Kaolin :	w	0241-3L	
			tr Sh/Clist:	brn blk to dsk y brn, wx, carb	0241-4L	
3376.00						0242
	1.37	50	Sh/Clist:	m gy to drk gy to lt brn gy	0242-1L	
		50	S/Sst :	lt gy w to lt or gy, f, slt	0242-2L	
			tr Coal :	blk, wx	0242-3L	
3385.00						0243
		80	S/Sst :	lt gy w to lt or gy, f, slt	0243-2L	
		20	Sh/Clist:	m gy to drk gy to lt brn gy	0243-1L	
			tr Kaolin :	w	0243-3L	
3396.00						0244
	0.79	60	Sh/Clist:	m gy to drk gy to lt brn gy	0244-1L	
		40	S/Sst :	lt gy w to lt or gy, f, slt	0244-2L	
			tr Kaolin :	w	0244-3L	
3403.00						0245
		80	S/Sst :	lt gy w, f, crs, l	0245-2L	
		20	Sh/Clist:	m gy to drk gy to lt brn gy	0245-1L	
			tr Kaolin :	w	0245-3L	
3412.00						0246
	1.43	90	Sh/Clist:	m gy to drk gy to lt brn gy	0246-1L	
		10	S/Sst :	lt gy w, f, crs, l	0246-2L	
			tr Cont :	prp, dd	0246-3L	

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Table 1 : Lithology description for well NOCS 9/2-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trib	Sample
Int Cvd	TOC%	%	Lithology description			
3421.00						0247
	0.52	70	Sh/Clst:	m gy to drk gy to lt brn gy to brn gy		0247-1L
		20	Kaolin :	w		0247-3L
		10	Sltst :	lt gy w to lt or gy, s		0247-2L
3430.00						0248
	0.91	60	Sh/Clst:	m gy to drk gy to lt brn gy to brn gy		0248-1L
		35	Sltst :	lt gy w to lt or gy, s		0248-2L
		5	Kaolin :	w		0248-3L
		tr	Cont :	prp, dd		0248-4L
3439.00						0249
		65	Sh/Clst:	m gy to drk gy to lt brn gy to brn gy		0249-1L
		35	Sltst :	lt gy w to lt or gy, s		0249-2L
		tr	Kaolin :	w		0249-3L
		tr	Coal :	blk, wx		0249-4L
3448.00						0250
	1.21	65	Sh/Clst:	m gy to drk gy to lt brn gy to brn gy		0250-1L
		35	Sltst :	lt gy w to lt or gy, s		0250-2L
		tr	Kaolin :	w		0250-3L
		tr	Coal :	blk, wx		0250-4L
3457.00						0251
	0.71	60	Sh/Clst:	m gy to drk gy to lt brn gy to brn gy		0251-1L
		40	Sltst :	lt gy w to lt or gy, s		0251-2L
		tr	Kaolin :	w		0251-3L
		tr	Coal :	blk, wx		0251-4L

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Table 1 : Lithology description for well NOCS 9/2-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
3466.00						0252
	75	S/Sst	: lt gy w, f, crs, l		0252-2L	
	20	Sh/Clst:	m gy to drk gy		0252-1L	
	5	Coal	: blk, wx		0252-4L	
	tr	Kaolin	: w		0252-3L	
3475.00						0253
	90	S/Sst	: lt gy w, crs, l		0253-1L	
	10	Sh/Clst:	m gy to drk gy		0253-2L	
3484.00						0254
	60	Sh/Clst:	m gy to drk gy		0254-2L	
	40	Sltst	: lt gy w		0254-1L	
3494.00						0255
	1.80	100	Sh/Clst:	m gy to lt brn gy to brn gy	0255-2L	
		tr	Sltst	: lt gy w	0255-1L	
3502.00						0256
	100	Sh/Clst:	m gy to drk gy to brn gy		0256-2L	
		tr	Sltst	: lt gy w	0256-1L	
3511.00						0257
	2.92	100	Sh/Clst:	m gy to drk gy to brn gy	0257-2L	
		tr	Sltst	: lt gy w	0257-1L	

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Table 1 : Lithology description for well NOCS 9/2-1

Depth unit of measure: m

Depth Int Cvd	Type TOC%	Grp %	Frm Lithology description	Age	Trb	Sample
3520.00						0258
	2.53	100	Sh/Clst: m gy to drk gy to brn gy tr Sltst : lt gy w		0258-2L	
					0258-1L	
3529.00						0259
		100	Sh/Clst: m gy to drk gy to brn gy tr Sltst : lt gy w		0259-2L	
					0259-1L	
3538.00						0260
		100	Sh/Clst: m gy to drk gy to brn gy tr Ca : w, fos		0260-2L	
					0260-1L	
3547.00						0261
	3.81	100	Sh/Clst: m gy to drk gy to brn gy tr Marl : or gy to lt or		0261-2L	
					0261-1L	
3556.00						0262
	7.12	40	Sh/Clst: m gy to brn gy		0262-1L	
		35	S/Sst : lt gy w, f, l		0262-2L	
		25	Sh/Clst: brn blk to dsk y brn, wx		0262-3L	
3565.00						0263
		60	S/Sst : lt gy w, f, l		0263-2L	
		35	Sh/Clst: m gy to brn gy		0263-1L	
		5	Sh/Clst: brn blk to dsk y brn, wx		0263-3L	

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Table 1 : Lithology description for well NOCS 9/2-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
3574.00						0264
	60	S/Sst	: lt gy w, f, crs, l			0264-2L
	35	Sh/Clst:	m gy to brn gy, fis			0264-1L
	5	Sh/Clst:	brn blk to dsk y brn, wx			0264-3L
3583.00						0265
	70	S/Sst	: lt gy w, f, crs, l			0265-2L
	30	Sh/Clst:	m gy to brn gy, fis			0265-1L
	tr	Sh/Clst:	brn blk to dsk y brn, wx			0265-3L
3592.00						0266
	50	S/Sst	: lt gy w, f, crs, l			0266-2L
	35	Sh/Clst:	brn blk to dsk y brn, wx			0266-3L
	15	Sh/Clst:	m gy to brn gy, fis			0266-1L
3601.00						0267
	80	S/Sst	: lt gy w, crs, l			0267-2L
	15	Sh/Clst:	m gy to brn gy, fis			0267-1L
	5	Sh/Clst:	brn blk to dsk y brn, wx			0267-3L
3610.00						0268
1.58	70	Sh/Clst:	m gy to brn gy, fis			0268-1L
	25	S/Sst	: lt gy w, crs, l			0268-2L
	5	Sh/Clst:	lt or gy to lt or brn, mrl			0268-3L
3619.00						0269
1.25	95	Sh/Clst:	m gy to drk gy to brn blk			0269-1L
	5	S/Sst	: lt gy w, f, crs, l			0269-2L

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Table 1 : Lithology description for well NOCS 9/2-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3628.00						0270
	1.58	45	Sh/Clst:	m gy to brn gy	0270-1L	
		45	Slst	: lt gy w to lt or gy	0270-2L	
		5	Kaolin	: w	0270-3L	
		5	Cont	: dd, prp	0270-4L	
3637.00						0271
	0.39	65	Slst	: lt gy w to lt or gy	0271-2L	
		30	Sh/Clst:	m gy to brn gy	0271-1L	
		5	Kaolin	: w	0271-3L	
3646.00						0272
	1.88	60	Slst	: lt gy w to lt or gy	0272-2L	
		30	Sh/Clst:	m gy to brn gy	0272-1L	
		10	Kaolin	: w	0272-3L	
3655.00						0273
	1.73	50	Sh/Clst:	m gy to brn gy	0273-1L	
		35	Slst	: lt or gy to lt gy	0273-2L	
		10	Cont	: dd, prp	0273-4L	
		5	Kaolin	: w	0273-3L	
3664.00						0274
	1.93	75	Sh/Clst:	m gy to brn gy to drk gy	0274-1L	
		15	Slst	: lt gy	0274-2L	
		10	S/Sst	: lt gy w, crs, l	0274-3L	

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Table 1 : Lithology description for well NOCS 9/2-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3673.00						0275
1.41	60	Sh/Clst:	m gy to brn gy to drk gy		0275-1L	
	25	Sltst :	lt gy		0275-2L	
	15	S/Sst :	lt gy w, crs, l		0275-3L	
	tr	Cont :	dd		0275-4L	
3682.00						0276
1.15	50	Sh/Clst:	m gy to brn gy to drk gy		0276-1L	
	30	S/Sst :	lt gy w, crs, l		0276-3L	
	20	Sltst :	lt gy		0276-2L	
	tr	Kaolin :	w		0276-4L	
3700.00						0277
35	Sh/Clst:	m gy to drk gy to brn gy		0277-1L		
30	S/Sst :	lt gy w, f, crs, l		0277-2L		
25	Marl :	m or brn to m brn to drk brn		0277-3L		
10	Sh/Clst:	gn gy to gy gn, fis		0277-4L		
3718.00						0278
0.42	70	Sh/Clst:	brn gy to dsk brn		0278-1L	
	15	Sh/Clst:	m brn to drk brn, mrl		0278-3L	
	10	S/Sst :	lt gy w, f, crs, l		0278-2L	
	5	Sh/Clst:	gn gy to gy gn, fis		0278-4L	
3736.00						0279
50	Sh/Clst:	brn gy to dsk brn		0279-1L		
30	Sh/Clst:	m brn to drk brn, mrl		0279-3L		
20	S/Sst :	lt gy w, f, crs, l		0279-2L		
tr	Sh/Clst:	gn gy to gy gn, fis		0279-4L		

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Table 1 : Lithology description for well NOCS 9/2-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3754.00					0280	
		60	S/Sst	: lt gy w to m brn, f, crs, l	0280-2L	
		25	Sh/Clst:	brn gy to dsk brn	0280-1L	
		15	Sh/Clst:	m brn to drk brn, calc	0280-3L	
			tr Sh/Clst:	gn gy to gy gn, fis	0280-4L	

Table 2 : Rock-Eval table for well NOCS 9/2-1

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Depth unit of measure: m

Depth	Type	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
2422.00	cut	Sh/Clst: m gy to drk gy	0.15	1.06	0.28	3.79	0.87	122	32	1.2	0.12	427	0135-1L
2440.00	cut	Sh/Clst: m gy to drk gy	0.11	0.84	0.26	3.23	0.82	102	32	0.9	0.12	424	0137-1L
2449.00	cut	Sh/Clst: m gy to drk gy	0.15	1.00	0.30	3.33	0.89	112	34	1.1	0.13	426	0138-1L
2476.00	cut	Sh/Clst: m gy	0.13	1.09	0.22	4.95	0.82	133	27	1.2	0.11	426	0141-1L
2500.00	cut	Sh/Clst: m gy to drk gy	0.14	1.20	0.69	1.74	0.80	150	86	1.3	0.10	430	0144-1L
2518.00	cut	Sh/Clst: m gy to drk gy	0.16	1.22	0.63	1.94	0.86	142	73	1.4	0.12	429	0146-1L
2545.00	cut	Sh/Clst: m gy to drk gy	0.11	1.02	0.63	1.62	0.82	124	77	1.1	0.10	427	0149-1L
2563.00	cut	Sh/Clst: m gy to drk gy to brn gy	0.15	1.11	0.98	1.13	0.92	121	107	1.3	0.12	426	0151-1L
2581.00	cut	Sh/Clst: m gy to drk gy to brn gy	0.11	1.25	0.39	3.21	0.94	133	41	1.4	0.08	430	0153-1L
2599.00	cut	Sh/Clst: m gy to drk gy	0.14	1.17	0.42	2.79	0.86	136	49	1.3	0.11	431	0155-1L
2617.00	cut	Sh/Clst: m gy to drk gy	0.32	1.36	0.23	5.91	0.92	148	25	1.7	0.19	427	0157-1L
2644.00	cut	Sh/Clst: m gy to drk gy	0.15	1.04	0.21	4.95	0.82	127	26	1.2	0.13	429	0160-1L
2662.00	cut	Sh/Clst: m gy to drk gy	0.17	1.57	0.16	9.81	0.97	162	16	1.7	0.10	429	0162-1L
2689.00	cut	Sh/Clst: m gy to drk gy	0.20	1.44	0.18	8.00	0.92	157	20	1.6	0.12	429	0165-1L
2716.00	cut	Sh/Clst: m gy to drk gy	0.17	0.95	0.42	2.26	0.76	125	55	1.1	0.15	428	0168-1L

Table 2 : Rock-Eval table for well NOCS 9/2-1

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Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
2752.00	cut	Sh/Clst: m gy to drk gy	0.12	0.96	0.19	5.05	0.81	119	23	1.1	0.11	427	0172-1L
2788.00	cut	Sh/Clst: m gy to drk gy	0.14	1.12	0.18	6.22	0.75	149	24	1.3	0.11	424	0176-1L
2797.00	cut	Sh/Clst: m gy to drk gy	0.10	1.00	0.61	1.64	0.88	114	69	1.1	0.09	428	0177-1L
2824.00	cut	Sh/Clst: m gy to drk gy	0.18	0.96	0.16	6.00	0.76	126	21	1.1	0.16	427	0180-1L
2851.00	cut	Sh/Clst: m gy to drk gy	0.11	0.86	0.18	4.78	0.68	126	26	1.0	0.11	426	0183-1L
2869.00	cut	Sh/Clst: m gy to drk gy	0.11	0.62	0.13	4.77	0.61	102	21	0.7	0.15	424	0185-1L
2887.00	cut	Sh/Clst: m gy to drk gy	0.14	0.70	0.15	4.67	0.76	92	20	0.8	0.17	427	0187-1L
2905.00	cut	Sh/Clst: m gy to drk gy	0.05	0.41	0.27	1.52	0.60	68	45	0.5	0.11	422	0189-1L
2932.00	cut	Sh/Clst: m gy to drk gy	0.10	0.68	0.16	4.25	0.66	103	24	0.8	0.13	429	0192-1L
2950.00	cut	Sh/Clst: m gy to drk gy	0.11	0.82	0.18	4.56	0.70	117	26	0.9	0.12	429	0194-1L
2968.00	cut	Sh/Clst: m gy to drk gy	0.17	1.17	0.50	2.34	0.79	148	63	1.3	0.13	433	0196-1L
2995.00	cut	Sh/Clst: m gy to drk gy	0.17	1.43	0.21	6.81	0.88	163	24	1.6	0.11	432	0199-1L
3004.00	cut	Sh/Clst: drk gy to brn gy to dsk y brn	0.80	9.70	0.41	23.66	2.45	396	17	10.5	0.08	430	0200-1L
3013.00	cut	Sh/Clst: drk gy to drk brn gy	0.85	13.57	0.38	35.71	3.06	443	12	14.4	0.06	432	0201-1L

Table 2 : Rock-Eval table for well NOCS 9/2-1

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Depth unit of measure: m

Depth	Type	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
3022.00	cut	Sh/Clst: drk gy to drk brn gy	1.57	22.84	0.45	50.76	4.30	531	10	24.4	0.06	430	0202-1L
3031.00	cut	Sh/Clst: drk gy to brn blk	1.17	17.70	0.48	36.88	3.15	562	15	18.9	0.06	431	0203-1L
3040.00	cut	Sh/Clst: drk gy to brn blk	1.40	19.61	0.59	33.24	3.97	494	15	21.0	0.07	431	0204-1L
3049.00	cut	Sh/Clst: drk gy to brn blk	1.02	14.46	0.34	42.53	3.18	455	11	15.5	0.07	432	0205-1L
3058.00	cut	Sh/Clst: m gy to drk gy to brn blk	0.62	6.21	0.23	27.00	2.07	300	11	6.8	0.09	440	0206-1L
3067.00	cut	Sh/Clst: m gy to drk gy to brn blk	0.41	3.13	0.31	10.10	-	-	-	3.5	0.12	438	0208-1L
3076.00	cut	Sh/Clst: m gy to drk gy	0.18	1.78	0.21	8.48	1.03	173	20	2.0	0.09	442	0209-1L
3085.00	cut	Sh/Clst: m gy to drk gy	0.18	1.72	0.15	11.47	1.20	143	13	1.9	0.09	439	0210-1L
3094.00	cut	Sh/Clst: m gy to drk gy	0.17	1.63	0.14	11.64	1.16	141	12	1.8	0.09	443	0211-1L
3112.00	cut	Sh/Clst: m gy to drk gy	0.13	2.11	0.36	5.86	1.12	188	32	2.2	0.06	441	0213-1L
3115.00	ccp	Sh/Clst: m gy to drk gy	0.16	2.05	0.05	41.00	1.15	178	4	2.2	0.07	439	0285-1L
3117.00	ccp	Sh/Clst: drk gy	0.13	1.00	0.05	20.00	0.93	108	5	1.1	0.12	435	0287-1L
3117.75	ccp	Sh/Clst: m gy	0.17	1.79	0.21	8.52	1.13	158	19	2.0	0.09	436	0288-1L
3123.00	ccp	Sh/Clst: m gy to drk gy	0.18	2.13	0.13	16.38	1.00	213	13	2.3	0.08	441	0290-1L
3130.00	cut	Sh/Clst: m gy to drk gy	0.20	1.73	0.38	4.55	1.17	148	32	1.9	0.10	443	0215-1L

Table 2 : Rock-Eval table for well NOCS 9/2-1

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Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
3148.00	cut	Sh/Clst: m gy to drk gy	0.20	1.81	0.45	4.02	1.21	150	37	2.0	0.10	442	0217-1L
3174.30	ccp	Sltst : gy w to lt brn gy	4.90	1.40	0.06	23.33	0.66	212	9	6.3	0.78	411	0291-1L
3181.00	ccp	Sltst : pl y brn	9.39	1.88	0.06	31.33	1.00	188	6	11.3	0.83	415	0294-1L
3192.40	ccp	S/Sst : gy w to y gy	7.59	1.37	0.07	19.57	0.88	156	8	9.0	0.85	409	0298-1L
3198.65	ccp	Sltst : gy w to lt gy	2.10	0.49	0.08	6.13	0.32	153	25	2.6	0.81	385	0303-1L
3205.90	ccp	S/Sst : lt or to pl y brn	7.55	1.46	0.01	146.00	0.84	174	1	9.0	0.84	378	0307-1L
3215.70	ccp	S/Sst : lt brn gy to pl y brn	0.16	0.40	0.13	3.08	0.11	364	118	0.6	0.29	370	0313-1L
3231.00	ccp	Sltst : m gy	5.88	0.92	0.06	15.33	0.68	135	9	6.8	0.86	385	0314-1L
3258.80	ccp	Coal : blk	28.00	297.60	2.00	148.80	70.68	421	3	325.6	0.09	421	0323-1L
3271.54	ccp	Sltst : gy w to lt gy	0.52	2.63	0.14	18.79	1.74	151	8	3.2	0.17	429	0326-1L
3286.00	cut	Sh/Clst: m gy to drk gy	0.81	4.42	0.26	17.00	1.63	271	16	5.2	0.15	430	0232-1L
3313.00	cut	Sh/Clst: brn blk to y brn	9.50	87.20	1.27	68.66	17.51	498	7	96.7	0.10	436	0235-3L
3322.00	cut	Sh/Clst: m gy to drk gy	0.51	5.79	0.79	7.33	3.10	187	25	6.3	0.08	440	0236-1L
3331.00	cut	Sh/Clst: brn blk to dsk y brn	0.52	10.01	0.51	19.63	4.51	222	11	10.5	0.05	442	0237-3L
3358.00	cut	Sh/Clst: m gy to drk gy	0.31	1.80	1.31	1.37	1.21	149	108	2.1	0.15	440	0240-1L

Table 2 : Rock-Eval table for well NOCS 9/2-1

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Depth unit of measure: m

Depth	Type	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
3376.00	cut	Sh/Clst: m gy to drk gy to lt brn gy	0.21	1.57	0.50	3.14	1.37	115	36	1.8	0.12	439	0242-1L
3396.00	cut	Sh/Clst: m gy to drk gy to lt brn gy	0.30	2.44	0.16	15.25	0.79	309	20	2.7	0.11	433	0244-1L
3412.00	cut	Sh/Clst: m gy to drk gy to lt brn gy	0.26	2.75	0.48	5.73	1.43	192	34	3.0	0.09	444	0246-1L
3421.00	cut	Sh/Clst: m gy to drk gy to lt brn gy to brn gy	0.04	0.39	0.87	0.45	0.52	75	167	0.4	0.09	434	0247-1L
3430.00	cut	Sh/Clst: m gy to drk gy to lt brn gy to brn gy	0.26	2.10	0.14	15.00	0.91	231	15	2.4	0.11	429	0248-1L
3448.00	cut	Sh/Clst: m gy to drk gy to lt brn gy to brn gy	0.15	1.73	1.12	1.54	1.21	143	93	1.9	0.08	446	0250-1L
3457.00	cut	Sh/Clst: m gy to drk gy to lt brn gy to brn gy	0.14	1.03	0.12	8.58	0.71	145	17	1.2	0.12	433	0251-1L
3494.00	cut	Sh/Clst: m gy to lt brn gy to brn gy	0.27	2.49	0.83	3.00	1.80	138	46	2.8	0.10	445	0255-2L
3511.00	cut	Sh/Clst: m gy to drk gy to brn gy	0.43	6.02	0.79	7.62	2.92	206	27	6.4	0.07	435	0257-2L
3520.00	cut	Sh/Clst: m gy to drk gy to brn gy	0.38	5.92	1.03	5.75	2.53	234	41	6.3	0.06	443	0258-2L
3547.00	cut	Sh/Clst: m gy to drk gy to brn gy	0.62	6.46	2.45	2.64	3.81	170	64	7.1	0.09	438	0261-2L

Table 2 : Rock-Eval table for well NOCS 9/2-1

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Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
3556.00	cut	Sh/Clst: m gy to brn gy	0.77	12.47	0.62	20.11	7.12	175	9	13.2	0.06	437	0262-1L
3610.00	cut	Sh/Clst: m gy to brn gy	0.34	3.15	0.20	15.75	1.58	199	13	3.5	0.10	435	0268-1L
3619.00	cut	Sh/Clst: m gy to drk gy to brn blk	0.76	3.32	0.17	19.53	1.25	266	14	4.1	0.19	437	0269-1L
3628.00	cut	Sh/Clst: m gy to brn gy	0.36	4.09	0.16	25.56	1.58	259	10	4.5	0.08	436	0270-1L
3637.00	cut	Sltst : lt gy w to lt or gy	0.06	0.15	0.17	0.88	0.39	38	44	0.2	0.29	438	0271-2L
3646.00	cut	Sh/Clst: m gy to brn gy	0.53	5.13	0.13	39.46	1.88	273	7	5.7	0.09	435	0272-1L
3655.00	cut	Sh/Clst: m gy to brn gy	0.39	4.43	0.19	23.32	1.73	256	11	4.8	0.08	431	0273-1L
3664.00	cut	Sh/Clst: m gy to brn gy to drk gy	0.47	4.99	0.18	27.72	1.93	259	9	5.5	0.09	432	0274-1L
3673.00	cut	Sh/Clst: m gy to brn gy to drk gy	0.33	3.20	0.18	17.78	1.41	227	13	3.5	0.09	436	0275-1L
3682.00	cut	Sh/Clst: m gy to brn gy to drk gy	0.22	2.00	0.13	15.38	1.15	174	11	2.2	0.10	436	0276-1L
3718.00	cut	Sh/Clst: brn gy to dsk brn	0.03	0.21	0.32	0.66	0.42	50	76	0.2	0.13	437	0278-1L

Table 3 : Thermal Maturity Data for well NOCS 9/2-1

Page: 1

Depth unit of measure: m

Depth	Type	Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	Tmax (°C)	Sample
892.00	cut	bulk	NDP	-	-	0	-	-	0091-0B
1060.00	cut	Ca : w	NDP	-	-	0	-	-	0095-1L
1132.00	cut	Ca : w	NDP	-	-	0	-	-	0097-1L
1246.00	cut	Ca : w	NDP	-	-	0	-	-	0100-1L
1363.00	cut	Marl : lt gy w	NDP	-	-	3	-	-	0104-2L
1474.00	cut	Sltst : gy w	0.43	1	0.00	0	-	-	0107-2L
1594.00	cut	Sh/Clst: brn gy to drk gy	0.37	20	0.04	0	-	-	0110-3L
1666.00	cut	Sh/Clst: brn gy to drk gy	0.40	12	0.04	3	-	-	0112-3L
1735.00	cut	Sh/Clst: m gy to drk gy	0.44	3	0.04	3	-	-	0114-1L
1849.00	cut	Sh/Clst: m gy to drk gy	0.42	6	0.07	3-4	-	-	0117-1L
1960.00	cut	Sh/Clst: m gy	0.42	20	0.03	3-4	-	-	0120-1L
2056.00	cut	Sh/Clst: m gy	0.34	20	0.04	3-4	-	-	0123-1L
2128.00	cut	Sh/Clst: m gy	0.41	20	0.03	3+4	-	-	0125-1L
2269.00	cut	Sh/Clst: m gy	0.41	20	0.03	3-4	-	-	0129-1L

Schlumberger

GECO-PRAKLA

GEOLAB NOR

Table 3 : Thermal Maturity Data for well NOCS 9/2-1

Depth unit of measure: m

Depth	Type	Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	T _{max} (°C)	Sample
2338.00	cut	Sh/Clst: m gy	0.42	20	0.05	3-4	-	-	0131-1L
2449.00	cut	Sh/Clst: m gy to drk gy	0.38	20	0.05	3+4	4.0-4.5	426	0138-1L
2545.00	cut	Sh/Clst: m gy to drk gy	0.39	20	0.04	3+4	4.5-5.0	427	0149-1L
2644.00	cut	Sh/Clst: m gy to drk gy	0.40	4	0.06	3-4	4.5	429	0160-1L
2752.00	cut	Sh/Clst: m gy to drk gy	0.42	2	0.06	3+4	4.5	427	0172-1L
2851.00	cut	Sh/Clst: m gy to drk gy	0.44	2	0.01	4	4.5-5.0	426	0183-1L
2950.00	cut	Sh/Clst: m gy to drk gy	0.46	7	0.03	3+4	4.5-5.0	429	0194-1L
3004.00	cut	Sh/Clst: drk gy to brn gy to dsk y brn	-	-	-	-	5.0(?)	430	0200-1L
3049.00	cut	Sh/Clst: drk gy to brn blk	0.46	20	0.06	3-4	5.0-5.5	432	0205-1L
3111.00	ccp	Sh/Clst: m gy to drk gy	0.50	9	0.06	5+6	-	-	0281-1L
3115.00	ccp	Sh/Clst: m gy to drk gy	-	-	-	-	5.5-6.0	439	0285-1L
3123.00	ccp	Sh/Clst: m gy to drk gy	0.49	13	0.04	4-5	6.0-6.5	441	0290-1L
3148.00	cut	Sh/Clst: m gy to drk gy	-	-	-	-	6.0-6.5	442	0217-1L

Table 3 : Thermal Maturity Data for well NOCS 9/2-1

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Depth unit of measure: m

Depth	Type	Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	T _{max} (°C)	Sample
3198.65	ccp	Sltst : gy w to lt gy	NDP	-	-	0	-	385	0303-1L
3231.00	ccp	Sltst : m gy	NDP	-	-	0	-	385	0314-1L
3258.80	ccp	Coal : blk	0.52	20	0.03	0	NDP	421	0323-1L
3286.00	cut	Sh/Clst: m gy to drk gy	-	-	-	-	6.5-7.0(??)	430	0232-1L
3322.00	cut	Sh/Clst: m gy to drk gy	-	-	-	-	7.0	440	0236-1L
3358.00	cut	Sh/Clst: m gy to drk gy	0.58	14	0.06	4+5	-	440	0240-1L
3448.00	cut	Sh/Clst: m gy to drk gy to lt brn gy to brn gy	0.58	8	0.07	5+6	7.0	446	0250-1L
3511.00	cut	Sh/Clst: m gy to drk gy to brn gy	-	-	-	-	6.5-7.0(??)	435	0257-2L
3547.00	cut	Sh/Clst: m gy to drk gy to brn gy	0.76	20	0.12	5+6	6.5-7.0(??)	438	0261-2L
3619.00	cut	Sh/Clst: m gy to drk gy to brn blk	-	-	-	-	6.5(??)	437	0269-1L
3655.00	cut	Sh/Clst: m gy to brn gy	0.60	12	0.07	3-7	-	431	0273-1L
3664.00	cut	Sh/Clst: m gy to brn gy to drk gy	-	-	-	-	6.5-7.0(??)	432	0274-1L
3682.00	cut	Sh/Clst: m gy to brn gy to drk gy	-	-	-	-	6.5-7.0(??)	436	0276-1L

Table 3 : Thermal Maturity Data for well NOCS 9/2-1

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Depth unit of measure: m

Depth	Type	Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour.	SCI	T _{max} (°C)	Sample
3718.00	cut	Sh/Clst: brn gy to dsk brn	0.49	12	0.08	4-7	-	437	0278-1L
3754.00	com	bulk	0.61	20	0.08	3-7	-	-	0331-0B

Table 4 : Visual Kerogen Composition Data for well NOCS 9/2-1

Page: 1

Depth unit of measure: m

Depth	Typ	Lithology	L	A	L	S	C	D	A	B	I	S	I	M	S	V	C	V	A				
			I	m	i	p	u	R	A	i	N	F	e	n	i	c	B	I	T	o	m	B	
P	o	p	/	t	e	l	n	c	i	E	F	u	m	t	c	l	i	T	e	l	t	o	i
T	r	D	P	i	s	g	o	r	t	R	s	F	D	r	e	r	t	R	l	l	D	r	t
	%	L	t	1	l	n	e	l	t	L	%	n	s	t	n	o	I	%	n	n	t	V	V Sample
2449.00	cut	Sh/Clst: m gy to drk gy		20	**	*	*	*	*	*	15	**	*				65	**	*	*	*	0138-1L	
2545.00	cut	Sh/Clst: m gy to drk gy		40	*	*	**	*	*	*	30	*	**				30	*	**			0149-1L	
2644.00	cut	Sh/Clst: m gy to drk gy		25	*	**	*	*	*	*	40	**	*				35	**	*	*	*	0160-1L	
2752.00	cut	Sh/Clst: m gy to drk gy		10	*	**	*	*	*	*	25	**	*				65	**	*	*	*	0172-1L	
2851.00	cut	Sh/Clst: m gy to drk gy		15		*			*	**	60	*	**				25	*	*	**		0183-1L	
2950.00	cut	Sh/Clst: m gy to drk gy		5	*	*	**		*	*	35	*	**				60	*	**			0194-1L	
3004.00	cut	Sh/Clst: drk gy to brn gy to dsk y brn		95	**	*		**	*	?	5		*				TR		*			0200-1L	
3049.00	cut	Sh/Clst: drk gy to brn blk		80	**	*	*	*	**	*	5	*	**				15	*	**			0205-1L	
3115.00	ccp	Sh/Clst: m gy to drk gy		50	*	*	**		*		10	*	*				40	**	*	*		0285-1L	
3123.00	ccp	Sh/Clst: m gy to drk gy		40		*	**		*		10		*				50	**	*	*		? 0290-1L	
3148.00	cut	Sh/Clst: m gy to drk gy		30	*	*	*		*	*	30	**	*				40	*	*	*		0217-1L	
3258.80	ccp	Coal : blk			TR		?				TR	*	*				100	*	*	*	*	0323-1L	

Table 4 : Visual Kerogen Composition Data for well NOCS 9/2-1

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Depth unit of measure: m

Depth	Typ	Lithology	L	A	L	S	C	D	A	B	I	F	S	I	M	S	B	V	C	V	A	B		
			I	m	i	p	u	R	A	i	A	N	F	e	n	i	c	B	I	T	o	i	m	
			P	o	p	/	t	e	l	n	c	E	u	m	t	c	l	i	T	e	l	t	o	i
			T	r	D	P	i	s	g	o	r	R	s	F	D	r	e	t	R	l	l	D	r	t
			%	L	t	l	l	n	e	l	L	%	n	s	t	n	o	I	%	n	n	t	V	V Sample
3286.00	cut	Sh/Clst: m gy to drk gy	50	**	*	*			*	*		20	*	**				30	*	**			0232-1L	
3322.00	cut	Sh/Clst: m gy to drk gy	45	**	*	*			*	*		35	*	**				20	*	**			0236-1L	
3448.00	cut	Sh/Clst: m gy to drk gy to lt brn gy to brn gy	75	**	*	*			*	*		5	*	**				20	*	**			0250-1L	
3511.00	cut	Sh/Clst: m gy to drk gy to brn gy	60	*	*	**	*	*	*			20	*	**				20	*	**			0257-2L	
3547.00	cut	Sh/Clst: m gy to drk gy to brn gy	45	*	*	**	*	*	**	*		30	*	**				25	*	**			0261-2L	
3619.00	cut	Sh/Clst: m gy to drk gy to brn blk	20		*	**	*	*	*		*	30	*	**				30	*	**			0269-1L	
3664.00	cut	Sh/Clst: m gy to brn gy to drk gy	50	*		**	*	**				30	**	*				20	**	*	*		0274-1L	
3682.00	cut	Sh/Clst: m gy to brn gy to drk gy	35	*		**	*	**				30	*	**				35	*	**			0276-1L	