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GEOLAB NOR

GEOCHEMICAL REPORT FOR

WELL NOCS 35/11-4

Vol I

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INTRODUCTION

Well NOCS 35/11-4 was analysed on behalf of Mobil Exploration Norway (authorised by Dag Isaksen).

The well is located in the Norwegian sector of the North Sea, North of the Troll field, on the Horda Plattform. Oil and gas were encountered.

Samples (cuttings, side-wall cores, conventional cores and oils/condensates) were supplied by Mobil Exploration and delivered to Geolab Nor's laboratories.

Both screening and follow-up analyses were performed. The well was analysed from 1013 m to 3127 m. Except for the gas analyses, conventional core samples and side-wall cores were preferentially analysed where available. In addition to the rock samples, five oil/condensate samples were received and analysed.

The analytical program was set up in accordance with Mobil Exploration Norway.

ANALYTICAL PROGRAM

In accordance with Mobil Exploration the following analytical program was performed for well NOCS 35/11-4 over the section from 1040 m to 3127 m (TD):

Analysis type	No of samples	Figures	Tables
Headspace and occluded gas	127	2a-c	1a-c
Washing	127		
Lithology description	395	3	2
Rock-Eval pyrolysis	145	4,5,6	3
Thermal extraction GC (GHM, S_1)	40	7a-g	
Pyrolysis GC (GHM, S_2)	40	8a-d,9	4
Whole oil GC	5	10a-c	
Solvent extraction of organic matter	16		
MPLC/HPLC separation	21		5
Saturated hydrocarbon GC	21	11a-d	6
Aromatic hydrocarbon GC	21	12a-c	7
Vitrinite reflectance	23	13	8
Visual kerogen microscopy	21	14	9
Isotope composition C_{15}+ fractions	11	15,16	10a-b
GC - MS of saturated and aromatic HC	11	17a-o	11a-i
GC - MS crossplots		18a-e	

All the analysed samples were supplied as wet, canned samples by Mobil Exploration.

MISCELLANEOUS

Five oil/condensate samples were analysed for nickel, vanadium and sulphur contents. They were also analysed for whole oil density. A fraction with boiling point above 210°C was also attempted analysed, but very little material in this fraction made determination impossible for all five samples. The sample from 2634.5 m is characterised as "a light condensate".

Sample	Nickel mg/l	Vanadium mg/l	Sulphur weight %	Density whole oil
2000 m	1.6	0.6	0.08	837.5
2038 m	1.4	0.6	0.06	839.2
2290 m	1.2	0.5	0.05	839.8
2634.5 m	1.6	0.5	0.00	752.9
2678 m	1.6	0.5	0.02	815.7

ANALYSIS PROCEDURES

Headspace gas analysis

The analysis is performed using a gas chromatograph with a 50 m capillary column, loop injector and flame ionisation detector. Helium is used as carrier gas.

Two cm^3 of headspace gas are removed from each sample can for chromatographic analysis of the C_1 to C_7 range of hydrocarbons.

Occluded gas analysis

The analysis is performed using a gas chromatograph with a 50 m capillary column, loop injector and flame ionisation detector. Helium is used as carrier gas.

The canned samples are washed in thermostatted water to remove drilling contaminants and sieved on a 2 mm mesh sieve to remove large, caved rock fragments. An aliquot (ca 25 mg) of sieved sample is crushed with 25 cm^3 water in an airtight ball mill. After crushing, 2 cm^3 of the released gas are removed from the ball mill for gas chromatographic analysis.

Total organic carbon (TOC) and total carbon analysis

This analysis is performed using a LECO CS244 Carbon Analyser.

Hand-picked lithologies from cutting samples are crushed with a mortar and pestle and approximately 200 mg (50 mg for coals) are accurately weighed into LECO crucibles. The samples are then treated three times with dilute hydrochloric acid, to remove oxidised (carbonate) carbon, and

washed four times with distilled water. The samples are dried on a hotplate at 60-70°C before analysis of total organic carbon. Total carbon is analysed on the same instrument using approximately 200 mg of untreated crushed whole rock. Oxidised (carbonate) carbon is calculated by difference.

Extractable Organic Matter (EOM) Analysis

Samples are selected for extraction on the basis of screening analysis. 10 - 20 g of whole rock are accurately weighed.

Extraction is carried out in a Tecator Soxtec HT extractor using 7% (v/v) methanol in dichloromethane as extraction solvent. Samples are boiled for 1 h and rinsed for 2 h. Samples with TOC greater than 10% are extracted a second time and the extracts combined. After filtration into a tared flask the solvent is removed by rotary evaporation at 200 mB and 35°C. The residue, dried to constant weight, is weighed to give the amount of EOM.

Separation of Asphaltenes

The EOM is dissolved in 1:3 (w:v) tetrahydrofuran in an tared flask and pentane added to precipitate asphaltenes. A minimum of 40 volumes of pentane per 1 volume of THF/EOM is used and the solution allowed to stand 8 h at room temperature in the dark. The solution is filtered and the precipitated asphaltenes returned to the original flask by dissolution in methanol (7% v/v)/dichloromethane. The asphaltene solution is evaporated to constant weight.

Liquid chromatographic separation

Chromatographic separation is performed using an MPLC system developed by the company. The EOM (after removal of asphaltenes) is injected into the MPLC and chromatographed using hexane as eluent. This effects a separation into saturated and aromatic fractions which are collected and concentrated on a rotary evaporator, at 35°C and 200 mB, to remove the bulk of the hexane. The fractions are then transferred to small tared vials and evaporated to dryness in a stream of nitrogen. The vials are re-weighed to obtain the weights of both fractions. The weight of the NSO fraction, which is retained on the chromatography column, is obtained by difference.

Gas chromatographic analyses

Saturated fraction

The instrument used for this analysis is a gas chromatograph with a 25 m OV1 column, split injector and FID detector. The carrier gas is helium and the temperature program runs isothermally at 60°C, for 2 minutes and then rises to 290°C at a rate of 4°C/min.

The sample of saturated fraction is diluted by 1:20 with hexane and a 1 microlitre aliquot of this is injected into the instrument.

Aromatic fraction

The instrument used is a gas chromatograph with a 25 m SE-54 capillary column, split injector and effluent splitter leading to FID and FPD detectors, allowing simultaneous analysis of hydrocarbons and sulphur compounds. The carrier

gas is helium and the temperature program runs from 60°C to 300°C at a rate of 4°C/min.

The sample of aromatic fraction is diluted by 1:20 with hexane and a 1 microlitre aliquot of this is injected into the instrument.

Whole Oil

Whole oil chromatograms are determined on a gas chromatograph fitted with a split injector, 25m SE54 capillary column and effluent splitter connected to FID and sulphur mode FPD detectors allowing simultaneous determination of hydrocarbons and sulphur compounds. Approximately 0.1 microlitres of whole oil are injected and the temperature program on the chromatograph runs from -10°C to 300°C at 4°C/min.

Rock Eval pyrolysis

This analysis is performed using a ROCK EVAL II Pyrolyser into which approximately 100 mg of crushed whole rock are loaded. Analysis involves heating the sample, from 300°C to 600°C, in an inert atmosphere (helium) to release naturally generated hydrocarbons (S1 peak) and then pyrolytically generated hydrocarbons (S2 peak), both of which are detected by an FID. In the temperature interval between 300°C and 390°C, the released gases are split and a proportion passed through a carbon dioxide trap, which is connected to a thermal conductivity detector (TCD). The value obtained from the TCD corresponds to the amount of oxygen contained in the kerogen of the sample and is reported as the S3 peak. The temperature corresponding to the maximum of the S_2 peak, T_{max}, is also recorded.

Thermal extraction/pyrolysis gas chromatography

The instrument used for this analysis is a gas chromatograph connected to a pyrolysis oven. A very small amount (2 mg) of whole rock sample is loaded into the oven and heated isothermally, at 300°C, for 3 minutes, during which time thermal extraction of the generated hydrocarbons occurs (equivalent to the S1 peak of Rock Eval). The released gases pass to a 15 m OV1 column with a nitrogen-cooled trap.

After 3 minutes the pyrolysis oven heats up to 510°C, at a rate of 40°C per minute, causing bound hydrocarbons to be released from the kerogen of the sample (equivalent to the S2 peak of Rock Eval). These gases are passed through a 25m DB1 capillary column with a nitrogen-cooled trap.

The temperature program for the chromatographic oven, in which both columns are situated, rises from 0°C to 290°C at a rate of 4°C/min. Both columns are linked to FID detectors.

Vitrinite reflectance analysis

Samples, in the form of small granules, are mounted in a

fast setting resin. The resin blocks are ground on coarse corundum paper to expose the rock granule surfaces and then on three finer grades of corundum paper to improve these surfaces and reduce scratches. The resin blocks are finally polished on a rotating Selvyt-covered lap using two grades of polishing alumina. Isopropyl alcohol is used to lubricate the entire grinding and polishing process except in the case of coal samples, when water is used.

Reflectance measurements are taken under oil immersion (n =1.518) using a ZEISS MPM03 microscope photometer with a 546nm interference filter. The polished blocks are mounted on the microscope stage and scanned manually in order to locate and measure particles of vitrinite. An attempt is made to obtain readings from 20 individual particles per sample but this is not always possible in samples with low amounts of phytoclasts.

Spore fluorescence colour

Samples are also analysed microscopically in U.V. light, using an exciter filter with a band pass of 400 - 440 nm and a barrier filter with a long pass of 470 nm, and the colour of the spore fluorescence is determined. This is used as an alternative maturity parameter to verify the result obtained from vitrinite reflectance and is reported on a numerical scale from 1 to 9:

Fluorescence Colour	Colour Index	Corresp. Vitrinite Reflectance
Green	1	0.2%
Green/Yellow	2	0.2/0.3%
Yellow	3	0.3%
Yellow/Orange	4	0.4%
Light Orange	5	0.5%
Mid-Orange	6	0.6%
Dark Orange	7	0.8%
Orange/Red	8	1.0%
Red	9	1.1%

NB. This table only provides a rough correlation as vitrinite reflectance and spore fluorescence colour are both independently affected by factors such as depositional environment and catagenic history.

Preparation of Kerogen Concentrates

Samples are stirred for 16 h with 25 cm^3 concentrated hydrocloric acid at 35 - 40°C. The acid is decanted and the residue washed by stirring for 3 h with 25 cm^3 distilled water. The washing is repeated twice more.

If the concentrate is not being prepared for slides the residue is washed, rapidly, at this point, with 25 cm^3 dichloromethane.

25 cm^3 hydrofluoric acid are then added to the residue and the mixture stirred for 16 h at room temperature. The acid is decanted and the residue washed by stirring for 3 h with distilled water. The water washing is repeated three times with fresh aliquots of distilled water each time. The water is then decanted and the residue either dried in an oven at 40 - 50°C to constant weight, or, if slides are to be made, it is transferred to a microscope cover slip and dried on a hot bench at 40 -50°C.

Preparation of Slides

The dry kerogen concentrate is mounted on a slide in glycerine/gelatine and left to dry at room temperature overnight.

EXPERIMENTAL

Isotope Ratio Mass Spectrometry

The isotope analysis were performed on a dual inlet VG SIRA 10 instrument. The combustion of the samples were done by a Carlo Erba EA 1108 element analyser directly connected to the inlet system of the mass spectrometer.

The combustion temperature was 1020°C and the carries gas used was Helium. After the combustion H_2O and CO_2 were trapped in different cool traps. The CO_2 gas was then heated up before it was admitted to the mass spectrometer. The whole operation was controlled by a IBM PC50 computer system.

δ-values

The isotope ratios are given as δ-values in $^{o}/_{oo}$ versus the PDB-standard:

$$\delta^{13}C = (R \text{ sample} - R \text{ standard} / R \text{ standard}) * 1000$$

$$R = {}^{13}C / {}^{12}C$$

The PDB standard (a marine chalk of the Pee Dee-formation, USA) was created by Craig 1957. All results of $^{13}C / ^{12}C$ - analysis of organic matter today are calculated (Craig correction) against this international standard.

Reproducebility

The presision of the combustion system and the mass spectrometer is controlled by determinations of an international calibrated standard, NBS22 oil and a house standard of carbon.

Double analysis on samples are also done.

Experimental, combined gas chromatography - mass spectrometry (GC-MS)

The GC-MS analyses were performed on a VG TS250 system interfaced to a Hewlett Packard 5890 gas chromatograph. The GC was fitted with a fused silica SE 54 capillary column (50 m x 0.22 mm i.d.) directly into the ion source. Helium (12psi) was used as carrier gas and the injections were performed in splitless mode. The GC oven was programmed from 45°C to 150°C at 35°C/min at which point the programme rate was 2°C/min. up to 310°C where the column was held isothermally for 15 min. For the aromatic hydrocarbons, the GC oven was programmed from 50°C to 310°C at 5°C/min and held isothermally at 310°C for 15 min. The mass spectrometer was operated in electron impact (EI) mode at 70 eV electron energy, a trap current of 500 uA and a source temperature of 220°C. The instrument resolution used was 1500 (10% valley).

The data system used was a VG PDP11/73 system. The samples were analysed in multiple ion detection mode (MID) at a scan cycle time of approximately 1,1 sec.

Calculation of peak ratios was done from peak heights in the appropriate mass fragmentograms.

In the discussion of the GC-MS data, the results will be discussed by area. The wells within an area will be discussed separately. In the discussion, samples within one formation are discussed together. The discussion is further divided into types of compounds as follows:

Saturated Fractions:

Terpanes

The most commonly used fragment ions for detection of terpanes are M/Z 163 for detection of 25, 28, 30 trisnormoretane or 25, 28, 30 trisnorhopane, M/Z 177 for detection of demethylated hopanes or moretanes, M/Z 191 for detection of tricyclic, tetracyclic- and pentacyclic terpanes and M/Z 205 for methylated hopanes or moretanes.The molecular ions M/Z 370 and 384 are also recorded for identification of C_{27} and C_{28} triterpanes respectively.

Steranes

The most commonly used fragment ions for detection of steranes are M/Z 149 to distinguish betweem 5 α and 5 β steranes, M/Z 189 and 259 for detection of rearranged steranes, M/Z 217 for detection of rearranged and normal steranes and M/Z 218 for detection of 14β (H), 17β (H) steranes.

The M/Z 231 fragment ion is used to detect possible aromatic contamination of the saturated fraction. It is also used for detection of methyl steranes.

Aromatic Fractions:

Alkyl-substituted Benzenes

The M/Z 106 fragment ion is often used to detect the alkyl-substituted benzenes. It is especially useful for the detection of di-substituted benzenes. M/Z 134 can also be used for the detection of C_4-alkylbenzenes, but benzothiophene will also give a signal with this fragment ion.

Naphthalenes

Methylnaphthalenes are normally detected by the M/Z 142 fragment ion while C_2-naphthalenes are detected by M/Z 156 and C_3-naphthalenes by M/Z 170.

Benzothiophenes and Dibenzothiophenes

Benzothiophene can be detected, as mentioned above, by M/Z 134. The M/Z 198 and M/Z 212 fragment ions are used for methylsubstituted dibenzothiophenes and dimethylsubstituted dibenzothiophenes respectively.

Phenanthrenes

Phenanthrene is detected using the M/Z 178 fragment ion. Anthracene will, if present also give a signal in the M/Z 178 fragmention. Methyl-substituted phenanthrenes give signals in the M/Z 192 fragment ion while the M/Z 206 fragment ion shows the dimethyl-substituted phenanthrenes and the M/Z 220 fragmentation shows the C_3 substituted phenanthrenes.

Aromatic Steranes

Monoaromatic steranes are detected using the M/Z 253 fragment ion while the triaromatic steranes are detected using the M/Z 231 fragmention.

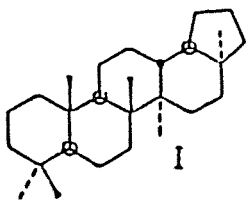
2a. Mass Fragmentograms representing Terpanes

(M/Z 163, 177, 191, 205, 370, 384, 398, 412 and 426)

Peak identification. (α and β refer to hydrogen atoms at C-17 and C-21 respectively unless indicated otherwise).

A.	18 α trisnorneohopane (Ts)	$C_{27}H_{44}$	(I)
B.	17 α trisnorhopane (Tm)	$C_{27}H_{46}$	(II, R=H)
Z.	Bisnorhopane	$C_{28}H_{48}$	(IV)
C.	αβ norhopane	$C_{29}H_{50}$	(II, R=C_2H_5)
D.	βα norhopane	$C_{29}H_{50}$	(III, R=C_2H_5)
E.	αβ hopane	$C_{30}H_{52}$	(II, R=i-C_3H_7)
F.	βα hopane	$C_{30}H_{52}$	(III, R=i-C_3H_7)
G.	22S αβ homohopane	$C_{31}H_{54}$	(II, R=i-C_4H_9)
H.	22R αβ homohopane	$C_{31}H_{54}$	(II, R=i-C_4H_9)
I.	βα homomoretane	$C_{31}H_{54}$	(III, R=i-C_4H_9)
J.	22S αβ bishomohopane	$C_{32}H_{56}$	(II, R=i-C_5H_{11})
	22R αβ bishomohopane	$C_{32}H_{56}$	(II, R=i-C_5H_{11})
K.	22S αβ trishomohopane	$C_{33}H_{58}$	(II, R=i-C_6H_{13})
	22R αβ trishomohopane	$C_{33}H_{58}$	(II, R=i-C_6H_{13})
L.	22S αβ tetrakishomohopane	$C_{34}H_{60}$	(II, R=i-C_7H_{15})
	22R αβ tetrakishomohopane	$C_{34}H_{60}$	(II, R=i-C_7H_{15})
M.	22S αβ pentakishomohopane	$C_{35}H_{62}$	(II, R=i-C_8H_{17})
	22R αβ pentakishomohopane	$C_{35}H_{62}$	(II, R=i-C_8H_{17})
P.	Tricyclic terpane	$C_{23}H_{42}$	(V, R=i-C_4H_9)
Q.	Tricyclic terpane	$C_{24}H_{44}$	(V, R=i-C_5H_{11})
R.	Tricyclic terpane (17R, 17S)	$C_{25}H_{66}$	(V, R=i-C_6H_{13})
S.	Tetracyclic terpane	$C_{24}H_{42}$	(VI)
T.	Tricyclic terpane (17R, 17S)	$C_{26}H_{48}$	(V, R=i-C_7H_{15})
N.	Tricyclic terpane	$C_{21}H_{38}$	(V, R=C_2H_5)
O.	Tricyclic terpane	$C_{22}H_{40}$	(V, R=C_3H_7)
Y.	25,28,30-Trisnorhopane/Moretane	$C_{27}H_{46}$	(VII)
X.	Unknown triterpane	$C_{30}H_{52}$	

STRUCTURES REPRESENTING TERPANES



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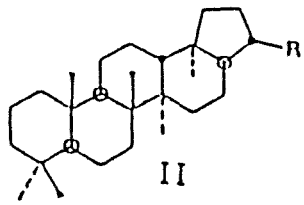

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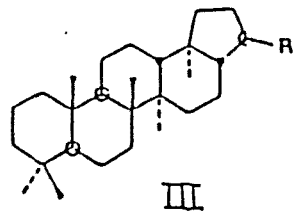

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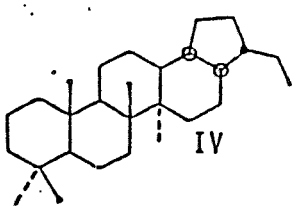

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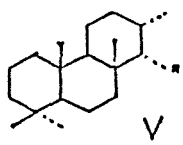

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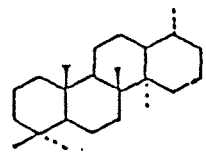

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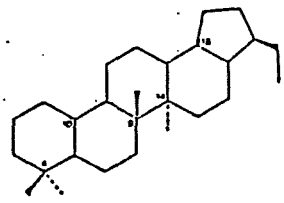


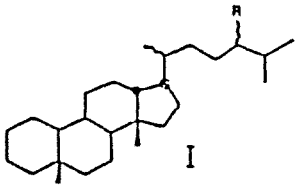
VII

2b. Mass Fragmentograms representing Steranes
(M/Z 149, 189, 217, 218, 259, 372, 386, 400 and 414)

Peak identifications. (α and β refer to hydrogen atoms at C-5, C-14 and C-17 in regular steranes and at C-13 and C-17 in diasteranes).

a.	20S βα diacholestane	$C_{27}H_{48}$	(I, R=H)
b.	20R βα diacholestane	$C_{27}H_{48}$	(I, R=H)
c.	20S αβ diacholestane	$C_{27}H_{48}$	(II, R=H)
d.	20R αβ diacholestane	$C_{27}H_{48}$	(II, R=H)
e.	20S βα 24-methyl-diacholestane	$C_{28}H_{50}$	(I, R=CH_3)
f.	20R βα 24-methyl-diacholestane	$C_{28}H_{50}$	(I, R=CH_3)
g.	20S αβ 24-methyl-diacholestane	$C_{28}H_{50}$	(II, R=CH_3)
	+ 20S ααα cholestane	$C_{27}H_{48}$	(III, R=H)
h.	20S βα 24-ethyl-diacholestane	$C_{29}H_{52}$	(II, R=C_2H_5)
	+20R αββ cholestane	$C_{27}H_{48}$	(IV, R=H)
i.	20S αββ cholestane	$C_{27}H_{48}$	(IV, R=H)
	+20R αβ 24-methyl-diacholestane	$C_{28}H_{50}$	(II, R=CH_3)
j.	20R ααα cholestane	$C_{27}H_{48}$	(III, R=H)
k.	20R βα 24-ethyl-diacholestane	$C_{29}H_{52}$	(I, R=C_2H_5)
l.	20S αβ 24-ethyl-diacholestane	$C_{29}H_{52}$	(II, R=C_2H_5)
m.	20S ααα 24-methyl-cholestane	$C_{28}H_{50}$	(III, R=CH_3)
n.	20R αββ 24-methyl-cholestane	$C_{28}H_{50}$	(IV, R=CH_3)
	+ 20R αβ 24-ethyl-diacholestane	$C_{29}H_{52}$	(II, R=C_2H_5)
o.	20S αββ 24-methyl-cholestane	$C_{28}H_{50}$	(IV, R=CH_3)
p.	20R ααα 24-methyl-cholestane	$C_{28}H_{50}$	(III, R=CH_3)
q.	20S ααα 24-ethyl-cholestane	$C_{29}H_{52}$	(III, R=C_2H_5)
r.	20R αββ 24-ethyl-cholestane	$C_{29}H_{52}$	(IV, R=C_2H_5)
s.	20S αββ 24-ethyl-cholestane	$C_{29}H_{52}$	(IV, R=C_2H_5)
t.	20R ααα 24-ethyl-cholestane	$C_{29}H_{52}$	(III, R=C_2H_5)
u.	5 α sterane	$C_{21}H_{36}$	(VI, R=C_2H_5)
V.	5 α sterane	$C_{22}H_{38}$	(VI, R=C_3H_7)

STRUCTURES REPRESENTING STERANES



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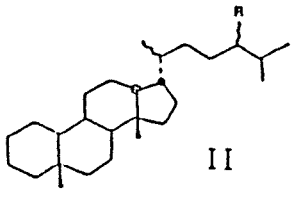

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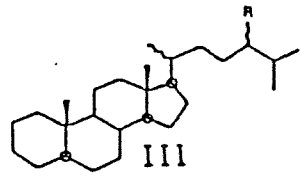

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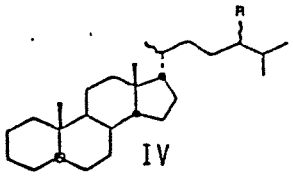

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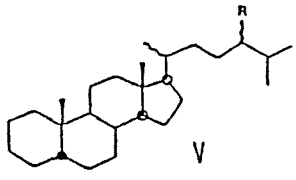

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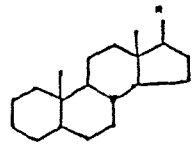


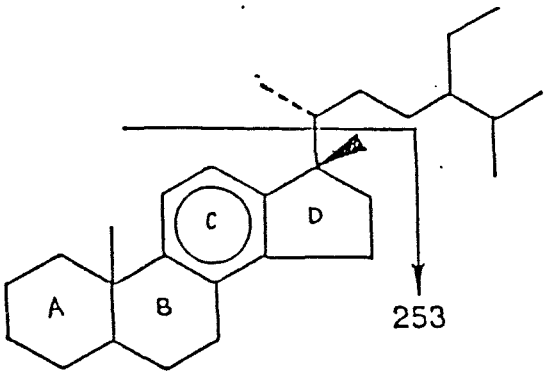
VI

Mass Fragmentograms representing Monoaromatic Steranes
(M/Z 253)

Description of C-ring monoaromatic steroid hydrocarbons

Peak	Substituents R_1	R_2	R_3	R_4	Abbreviation of Compound
A1					$C_{21}MA$
B1					$C_{22}MA$
C1	β(H)	CH_3	$S(CH_3)$	H	$\beta SC_{27}MA$
	CH_3	H	$S(CH_3)$	H	$SC_{27}DMA$
	β(H)	CH_3	$R(CH_3)$	H	$\beta RC_{27}MA$
D1	CH_3	H	$R(CH_3)$	H	$RC_{27}DMA$
	α(H)	CH_3	$S(CH_3)$	H	$\alpha SC_{27}MA$
E1	β(H)	CH_3	$S(CH_3)$	CH_3	$\beta SC_{28}MA$
	CH_3	H	$S(CH_3)$	CH_3	$SC_{28}DMA$
F1	α(H)	CH_3	$R(CH_3)$	H	$\alpha RC_{27}MA$
	α(H)	CH_3	$S(CH_3)$	CH_3	$\alpha SC_{28}MA$
	β(H)	CH_3	$R(CH_3)$	CH_3	$\beta RC_{28}MA$
G1	CH_3	H	$R(CH_3)$	CH_3	$RC_{28}DMA$
	β(H)	CH_3	$S(CH_3)$	C_2H_5	$\beta SC_{29}MA$
	CH_3	H	$S(CH_3)$	C_2H_5	$SC_{29}DMA$
	α(H)	CH_3	$R(CH_3)$	CH_3	$\alpha RC_{28}MA$
H1	β(H)	CH_3	$R(CH_3)$	C_2H_5	$\beta RC_{29}MA$
	CH_3	H	$R(CH_3)$	C_2H_5	$RC_{29}DMA$
I1	α(H)	CH_3	$R(CH_3)$	C_2H_5	$\alpha RC_{29}MA$

STRUCTURES REPRESENTING MONOAROMATIC STERANES:



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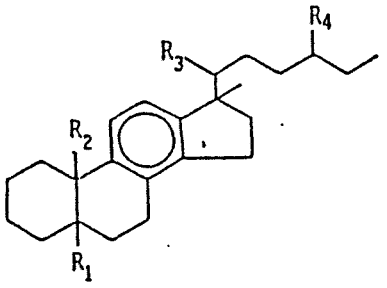
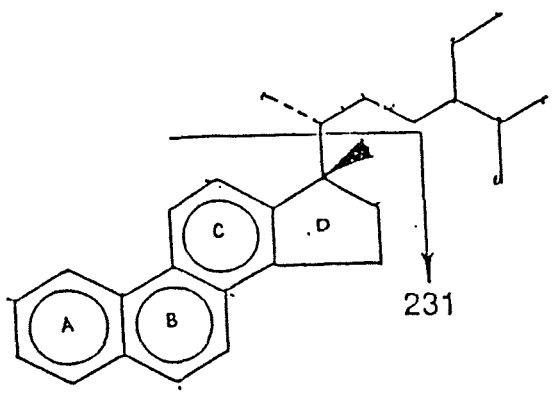


Mass Fragmentograms representing Triaromatic Steranes
(M/Z 231)

Description of ABC-ring triaromatic steroid hydrocarbons

Peak	Substituents R_1	R_2	Abbreviation of Compound
a1	CH_3	H	$C_{20}TA$
b1	CH_3	CH_3	$C_{21}TA$
c1	$S(CH_3)$	C_6H_{13}	$SC_{26}TA$
d1	$R(CH_3)$	C_6H_{13}	$RC_{26}TA$
	$S(CH_3)$	C_7H_{15}	$SC_{27}TA$
e1	$S(CH_3)$	C_8H_{17}	$SC_{28}TA$
f1	$S(CH_3)$	C_7H_{15}	$RC_{27}TA$
g1	$R(CH_3)$	C_8H_{17}	$RC_{28}TA$

STRUCTURES REPRESENTING TRIAROMATIC STERANES



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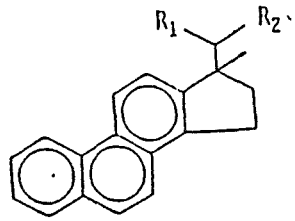

Abbreviations used for sample description

ang = angular
bar = baryte (mud additive)
bl = blue/blueish
blk = black
br = brittle
brn = brown/brownish
Ca = Carbonate (Limestone/Chalk/Dolomite/Siderite)
calc = calcareous
carb = carbonaceous
cem = cement (contaminant) or cemented (e.g. sandstone)
Chert = Chert
chert = cherty/siliceous
chk = Chalk/chalky
cly = clayey/shaley
cngl = conglomeratic
Coal = Coal
coal-ad = coal-like additive (e.g. chromelignosulphonate)
Congl = Conglomerate
Cont = Contaminant(s)
crs = coars grained
dd = dried drilling mud
dol = Dolomite/dolomitic
drk = dark (colour)
dsk = dusk/dusky (colour)
evap = Salt/Gypsum/Halite (natural or additives)
f = fine grained
fib = fibres (additives)
fis = fissile
fos = fossiliferous
glauc = Glauconite/glauconitic
gn = green/greenish
gy = grey/greyish
hd = hard
ign = igneous (rock)
Kaolin = Kaolin(ite)
kln = kaolinitic

Abbreviations used for sample description (continued)

l	= loose
lam	= laminated/laminae
lt	= light (colour)
m	= medium (colour or grain size)
Marl	= Marl (calcareous mudstone)
mic	= micaceous
Mica-ad	= Mica additive
mrl	= marly
No Mat.	= No material left over after washing
ns	= nutshells (additive)
ol	= olive (colour)
ool	= Oolite/oolitic
or	= orange (colour)
Other	= Other lithology/mineral, further specified
pi	= pink/pinkish (colour)
pl	= pale (colour)
prp	= paint/rust/plastic (contaminations)
pu	= purple (colour)
pyr	= Pyrite/pyritic
red	= red/reddish (colour)
rnd	= round/rounded
s	= sandy
S/Sst	= Sand and/or Sandstone
sft	= soft
Sh/Clst	= Shale and/or Claystone
sid	= Siderite/sideritic
slt	= silty
Sltst	= Siltstone
st	= stained (with natural oil or oil-like additive)
tar-ad	= tar like additive (e.g. "Black Magic")
Trbofgs	= turbodrilled fragments
Tuff	= Tuff
tuf	= tuffaceous
var	= various colours
Volc	= Volcanic rock
w	= white (colour)

Abbreviations used for sample description (continued)

wx = waxy

y = yellow/yellowish

APPENDIX 1

TABLES

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Table 1a: C1 to C7 hydrocarbons in HEADSPACE gas
(µl gas/kg rock)

Project: 35/11-4
Well: NOCS 35/11-4
Depth unit of measure: m * Indicated values in ml gas/kg rock

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4 / nC4
1040.00	37253	600	770	406	143	251	39172	1919	4.9	2.84
1080.00	200537	3387	7486	4127	1804	4352	217341	16804	7.7	2.29
1120.00	19173	380	764	257	118	240	20692	1519	7.3	2.18
1160.00	28567	493	741	209	108	244	30118	1551	5.2	1.94
1200.00	7984	73	56	17	10	51	8140	156	1.9	1.70
1240.00	12362	92	38	7	5	18	12504	142	1.1	1.40
1280.00	6885	99	37	6	5	20	7032	147	2.1	1.20
1320.00	8517	191	67	10	8	18	8793	276	3.1	1.25
1360.00	309	14	7	4	2	9	336	27	8.0	2.00
1400.00	1115	28	13	5	2	11	1163	48	4.1	2.50
1440.00	4005	57	16	10	4	20	4092	87	2.1	2.50
1480.00	5379	67	17	8	4	12	5475	96	1.8	2.00
1520.00	2368	31	9	4	2	23	2414	46	1.9	2.00
1560.00	1281	27	9	5	2	13	1324	43	3.3	2.50
1600.00	547	18	8	5	3	12	581	34	5.9	1.67
1640.00	975	41	49	19	13	15	1097	122	11.1	1.46
1680.00	114	5	4	2	1	3	126	12	9.5	2.00
1720.00	91	6	6	3	2	6	108	17	15.7	1.50
1740.00	3332	388	403	200	277	1576	4600	1268	27.6	0.72
1760.00	772	113	100	43	53	71	1081	309	28.6	0.81
1780.00	1520	232	180	79	99	386	2110	590	28.0	0.80
1800.00	1003	137	171	83	113	251	1507	504	33.4	0.73
1820.00	1705	252	193	75	98	354	2323	618	26.6	0.77

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Table 1a: C1 to C7 hydrocarbons in HEADSPACE gas
(μl gas/kg rock)

Project: 35/11-4
Well: NOCS 35/11-4
Depth unit of measure: m * Indicated values in ml gas/kg rock

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4/nC4
1840.00	204	47	58	23	32	88	364	160	44.0	0.72
1860.00	2875	448	502	236	347	1737	4408	1533	34.8	0.68
1880.00	435	92	136	63	110	568	836	401	48.0	0.57
1900.00	1059	152	221	97	180	821	1709	650	38.0	0.54
1910.00	844	130	198	89	166	801	1427	583	40.9	0.54
1920.00	3435	389	557	255	511	2722	5147	1712	33.3	0.50
1930.00	3146	451	765	363	766	4012	5491	2345	42.7	0.47
1940.00	1844	289	463	188	411	1567	3195	1351	42.3	0.46
1950.00	3772	1151	2134	853	1848	5905	9758	5986	61.3	0.46
1960.00	4950	1238	1789	573	1291	3647	9841	4891	49.7	0.44
1970.00	6939	1699	1972	519	1109	1787	12238	5299	43.3	0.47
1980.00	36454	11168	8549	1370	3180	3103	60721	24267	40.0	0.43
1990.00	36507	10696	7915	1041	2687	2748	58846	22339	38.0	0.39
2000.00	31350	22276	24718	5849	16377	27578	100570	69220	68.8	0.36
2010.00	6329	4189	4659	1032	2769	6457	18978	12649	66.7	0.37
2020.00	2627	1419	1347	270	705	1667	6368	3741	58.8	0.38
2030.00	14729	5251	7319	1284	3374	4664	31957	17228	53.9	0.38
2040.00	18765	10912	16778	3770	9652	17512	59877	41112	68.7	0.39
2050.00	313	3583	6990	1450	3747	5987	16083	15770	98.1	0.39
2060.00	176	51	83	24	82	462	416	240	57.7	0.29
2070.00	978	784	1514	431	1069	2254	4776	3798	79.5	0.40
2072.00	1832	1298	3386	1205	3584	9450	11305	9473	83.8	0.34
2080.00	504	610	1538	469	1185	2858	4306	3802	88.3	0.40

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Table 1a: C1 to C7 hydrocarbons in HEADSPACE gas
(μl gas/kg rock)

Project: 35/11-4
Well: NOCS 35/11-4
Depth unit of measure: m * Indicated values in ml gas/kg rock

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4/nC4
2090.00	38	26	61	22	72	688	219	181	82.7	0.31
2100.00	30	12	34	13	41	398	130	100	76.9	0.32
2110.00	4	6	14	10	21	864	55	51	92.7	0.48
2120.00	13029	4850	3865	531	1333	2752	23608	10579	44.8	0.40
2130.00	17173	7497	5297	747	1707	3002	32421	15248	47.0	0.44
2140.00	25707	18219	17528	3306	6391	7101	71151	45444	63.9	0.52
2150.00	18632	5718	3547	501	1141	1481	29539	10907	36.9	0.44
2170.00	121557	37963	20831	2359	5519	5750	188229	66672	35.4	0.43
2180.00	355569	118*	57912	5877	13465	14119	550941	195*	35.5	0.44
2190.00	174322	55475	30579	3663	8222	8404	272261	97939	36.0	0.45
2200.00	17258	22806	45877	9239	26609	57227	121789	105*	85.8	0.35
2210.00	62724	23905	13932	1585	3657	4822	105803	43079	40.7	0.43
2220.00	165970	38860	17512	1728	3926	3648	227996	62026	27.2	0.44
2230.00	403766	99442	45725	5159	11093	12363	565185	161*	28.6	0.47
2240.00	273080	64180	27055	2923	5803	5882	373041	99961	26.8	0.50
2250.00	749287	203*	98196	11303	22899	24298	1085*	336*	30.9	0.49
2260.00	131533	43792	23951	2874	6261	7453	208411	76878	36.9	0.46
2270.00	123022	52654	31775	3686	8306	9799	219443	96421	43.9	0.44
2280.00	43744	65979	102*	18169	48399	93071	278146	234*	84.3	0.38
2290.00	1165	3619	10936	3158	8347	30553	27225	26060	95.7	0.38
2300.00	4637	5856	8986	1702	4489	8577	25670	21033	81.9	0.38
2310.00	12116	5174	4260	622	1805	3358	23977	11861	49.5	0.34
2315.00	11433	8321	9887	1528	4045	5925	35214	23781	67.5	0.38

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Table 1a: C1 to C7 hydrocarbons in HEADSPACE gas
(µl gas/kg rock)

Project: 35/11-4
Well: NOCS 35/11-4
Depth unit of measure: m * Indicated values in ml gas/kg rock

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4/nC4
2330.00	359	498	573	67	219	914	1716	1357	79.1	0.31
2340.00	5970	3404	2343	235	691	1360	12643	6673	52.8	0.34
2350.00	45632	10654	4071	332	821	914	61510	15878	25.8	0.40
2360.00	8017	3077	1742	212	528	1314	13576	5559	41.0	0.40
2370.00	13422	4669	3092	423	911	1414	22517	9095	40.4	0.46
2380.00	257297	74636	35771	3809	7030	5744	378543	121*	32.0	0.54
2390.00	114958	30376	13900	1577	2527	2079	163338	48380	29.6	0.62
2400.00	54657	16235	9878	1498	2320	2402	84588	29931	35.4	0.65
2410.00	139037	38332	16879	2121	2948	2609	199317	60280	30.2	0.72
2420.00	103293	27747	10037	1044	1602	1289	143723	40430	28.1	0.65
2430.00	81090	19196	8411	1322	1583	1536	111602	30512	27.3	0.84
2440.00	67776	17757	8361	1391	1719	1987	97004	29228	30.1	0.81
2450.00	189933	46843	21300	3475	4169	4114	265720	75787	28.5	0.83
2460.00	82569	25242	13734	2532	3392	4127	127469	44900	35.2	0.75
2470.00	136966	26829	10423	1602	2074	2254	177894	40928	23.0	0.77
2480.00	45611	12954	6370	1062	1420	1780	67417	21806	32.3	0.75
2490.00	78197	17792	8516	1536	1971	2522	108012	29815	27.6	0.78
2500.00	79046	23720	13698	2436	3784	5789	122684	43638	35.6	0.64
2510.00	91340	28502	18225	3464	5486	8260	147017	55677	37.9	0.63
2520.00	52009	12141	5775	985	1342	1653	72252	20243	28.0	0.73
2530.00	67956	20219	8465	1046	1652	1500	99338	31382	31.6	0.63
2540.00	90998	33348	15720	1675	2780	2138	144521	53523	37.0	0.60
2550.00	55029	19550	9266	947	1483	1028	86275	31246	36.2	0.64

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Table 1a: C1 to C7 hydrocarbons in HEADSPACE gas
(µl gas/kg rock)

Project: 35/11-4
Well: NOCS 35/11-4
Depth unit of measure: m * Indicated values in ml gas/kg rock

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4/nC4
2560.00	49808	19781	11860	1253	2283	1934	84985	35177	41.4	0.55
2570.00	350	342	355	53	118	252	1218	868	71.3	0.45
2580.00	40092	15644	10120	1019	1799	1201	68674	28582	41.6	0.57
2590.00	4735	4063	3968	516	998	856	14280	9545	66.8	0.52
2600.00	55655	25703	19132	1865	3517	2473	105872	50217	47.4	0.53
2610.00	78944	39338	26749	2605	4955	2445	152591	73647	48.3	0.53
2620.00	80019	39173	24555	2331	4528	2130	150606	70587	46.9	0.51
2630.00	13926	10761	8851	1328	2666	2097	37532	23606	62.9	0.50
2650.00	58703	20928	11444	1306	2231	1669	94612	35909	38.0	0.59
2670.00	93163	17953	9146	1795	3303	5170	125360	32197	25.7	0.54
2690.00	8988	3911	2848	358	852	923	16957	7969	47.0	0.42
2710.00	28399	9984	17458	4602	10355	14767	70798	42399	59.9	0.44
2730.00	39766	8584	11506	2806	6270	9685	68932	29166	42.3	0.45
2750.00	140623	23272	6929	812	1592	2851	173228	32605	18.8	0.51
2770.00	1082	4123	2334	277	607	890	8423	7341	87.2	0.46
2790.00	12240	3551	4091	1083	2228	3817	23193	10953	47.2	0.49
2810.00	27660	5921	4010	558	1181	1450	39330	11670	29.7	0.47
2830.00	13639	8305	8543	1195	2751	2927	34433	20794	60.4	0.43
2850.00	974	1658	2196	351	1272	1741	6451	5477	84.9	0.28
2870.00	10870	4072	2504	332	606	568	18384	7514	40.9	0.55
2880.00	16731	7163	5916	827	1730	1706	32367	15636	48.3	0.48
2890.00	29138	6237	3286	440	714	579	39815	10677	26.8	0.62
2900.00	4078	1224	985	171	382	707	6840	2762	40.4	0.45

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Table 1a: C1 to C7 hydrocarbons in HEADSPACE gas
(µl gas/kg rock)

Project: 35/11-4
Well: NOCS 35/11-4
Depth unit of measure: m * Indicated values in ml gas/kg rock

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4/nC4
2910.00	6174	3036	1985	286	587	939	12068	5894	48.8	0.49
2930.00	3577	1646	1571	330	713	1273	7837	4260	54.4	0.46
2950.00	5051	3239	3183	600	1213	2032	13286	8235	62.0	0.49
2970.00	4354	2561	2175	377	712	1195	10179	5825	57.2	0.53
2990.00	4426	1441	1013	178	312	562	7370	2944	40.0	0.57
3010.00	611	235	163	27	48	110	1084	473	43.6	0.56
3030.00	1581	607	495	100	212	889	2995	1414	47.2	0.47
3050.00	10926	1751	765	96	186	742	13724	2798	20.4	0.52
3070.00	7362	2073	1094	130	270	930	10929	3567	32.6	0.48
3090.00	1508	709	502	66	142	577	2927	1419	48.5	0.46
3110.00	57878	5663	1523	120	239	470	65423	7545	11.5	0.50
3127.00	70524	7495	2330	252	390	630	80991	10467	12.9	0.65

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Table 1b: C1 to C7 hydrocarbons in CUTTINGS gas
(µl gas/kg rock)

Project: 35/11-4
Well: NOCS 35/11-4
Depth unit of measure: m * Indicated values in ml gas/kg source rock

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4 / nC4
1040.00	36	4	8	10	6	33	64	28	43.8	1.67
1080.00	105	3	3	2	2	19	115	10	8.7	1.00
1120.00	25	3	13	10	7	30	58	33	56.9	1.43
1160.00	29	4	13	8	7	33	61	32	52.5	1.14
1200.00	24	4	3	-	-	13	31	7	22.6	-
1240.00	27	4	3	1	2	8	37	10	27.0	0.50
1280.00	23	4	6	3	3	14	39	16	41.0	1.00
1320.00	48	13	22	7	9	20	99	51	51.5	0.78
1360.00	25	4	2	1	1	9	33	8	24.2	1.00
1400.00	37	4	5	4	3	13	53	16	30.2	1.33
1440.00	19	3	4	6	3	38	35	16	45.7	2.00
1480.00	93	18	12	7	7	31	137	44	32.1	1.00
1520.00	19	3	2	2	2	17	28	9	32.1	1.00
1560.00	16	2	1	1	1	13	21	5	23.8	1.00
1600.00	21	3	2	2	2	13	30	9	30.0	1.00
1640.00	24	4	5	4	5	9	42	18	42.9	0.80
1680.00	30	4	5	3	2	9	44	14	31.8	1.50
1720.00	24	3	3	2	3	15	35	11	31.4	0.67
1740.00	6	1	2	3	9	392	21	15	71.4	0.33
1760.00	22	6	17	12	22	50	79	57	72.2	0.55
1780.00	18	5	16	19	39	659	97	79	81.4	0.49
1800.00	25	5	10	9	20	99	69	44	63.8	0.45
1820.00	18	3	14	15	33	478	83	65	78.3	0.45

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Table 1b: C1 to C7 hydrocarbons in CUTTINGS gas
(µl gas/kg rock)

Project: 35/11-4
Well: NOCS 35/11-4
Depth unit of measure: m * Indicated values in ml gas/kg source rock

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4 / nC4
1840.00	24	5	15	10	25	204	79	55	69.6	0.40
1860.00	22	7	10	11	29	1027	79	57	72.2	0.38
1880.00	38	5	14	10	27	376	94	56	59.6	0.37
1900.00	69	7	17	13	36	649	142	73	51.4	0.36
1910.00	47	6	10	10	27	998	100	53	53.0	0.37
1920.00	41	5	14	10	32	704	102	61	59.8	0.31
1930.00	43	8	15	12	44	1027	122	79	64.8	0.27
1940.00	48	10	22	16	60	1475	156	108	69.2	0.27
1950.00	44	19	128	112	343	4914	646	602	93.2	0.33
1960.00	63	27	132	77	250	2813	549	486	88.5	0.31
1970.00	67	45	151	69	253	1875	585	518	88.6	0.27
1980.00	142	256	764	222	730	1599	2114	1972	93.3	0.30
1990.00	281	686	1579	352	1138	1863	4036	3755	93.0	0.31
2000.00	274	897	2970	629	2391	4618	7161	6887	96.2	0.26
2010.00	70	400	1838	509	2206	8521	5023	4953	98.6	0.23
2020.00	182	401	1034	255	1188	9803	3060	2878	94.1	0.21
2030.00	243	413	2335	748	2557	4268	6296	6053	96.1	0.29
2040.00	156	392	2053	764	3061	22067	6426	6270	97.6	0.25
2050.00	133	79	685	411	1533	19883	2841	2708	95.3	0.27
2060.00	164	17	32	13	84	4383	310	146	47.1	0.15
2070.00	128	67	361	199	777	12650	1532	1404	91.6	0.26
2072.00	111	46	253	111	473	2838	994	883	88.8	0.23
2080.00	115	37	347	218	877	10596	1594	1479	92.8	0.25

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Table 1b: C1 to C7 hydrocarbons in CUTTINGS gas
(µl gas/kg rock)

Project: 35/11-4
Well: NOCS 35/11-4
Depth unit of measure: m * Indicated values in ml gas/kg source rock

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4/nC4
2090.00	85	9	21	15	68	3265	198	113	57.1	0.22
2100.00	151	9	8	5	22	932	195	44	22.6	0.23
2110.00	146	13	58	31	121	1221	369	223	60.4	0.26
2120.00	94	127	419	85	383	1307	1108	1014	91.5	0.22
2130.00	120	180	475	83	362	1080	1220	1100	90.2	0.23
2140.00	67	115	653	220	826	2510	1881	1814	96.4	0.27
2150.00	179	339	725	159	596	1835	1998	1819	91.0	0.27
2170.00	209	442	919	178	645	1639	2393	2184	91.3	0.28
2180.00	2	5	13	3	12	87	35	33	94.3	0.25
2190.00	447	1158	1772	337	1129	2221	4843	4396	90.8	0.30
2200.00	101	120	761	248	1119	6657	2349	2248	95.7	0.22
2210.00	270	610	1007	193	669	1990	2749	2479	90.2	0.29
2220.00	260	554	862	147	514	994	2337	2077	88.9	0.29
2230.00	300	702	1103	185	613	1030	2903	2603	89.7	0.30
2240.00	420	1259	1751	277	829	1148	4536	4116	90.7	0.33
2250.00	249	984	1612	257	774	958	3876	3627	93.6	0.33
2260.00	86	212	584	111	409	699	1402	1316	93.9	0.27
2270.00	68	187	466	74	303	532	1098	1030	93.8	0.24
2280.00	132	242	1371	329	1419	4377	3493	3361	96.2	0.23
2290.00	80	102	602	173	822	3253	1779	1699	95.5	0.21
2300.00	195	79	288	72	336	1533	970	775	79.9	0.21
2310.00	107	1165	303	52	256	950	1883	1776	94.3	0.20
2315.00	93	52	167	38	190	997	540	447	82.8	0.20

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Table 1b: C1 to C7 hydrocarbons in CUTTINGS gas
(µl gas/kg rock)

Project: 35/11-4
Well: NOCS 35/11-4
Depth unit of measure: m * Indicated values in ml gas/kg source rock

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4 / nC4
2330.00	116	62	269	37	191	555	675	559	82.8	0.19
2340.00	201	97	260	35	178	701	771	570	73.9	0.20
2350.00	2000	5153	4958	562	1648	1740	14321	12321	86.0	0.34
2360.00	11	66	62	6	36	141	181	170	93.9	0.17
2370.00	10	14	18	2	13	57	57	47	82.5	0.15
2380.00	183	799	1247	194	558	755	2981	2798	93.9	0.35
2390.00	136	477	845	154	416	603	2028	1892	93.3	0.37
2400.00	110	154	388	88	262	566	1002	892	89.0	0.34
2410.00	138	414	789	159	344	458	1844	1706	92.5	0.46
2420.00	311	1427	1966	366	691	757	4761	4450	93.5	0.53
2430.00	142	284	480	103	224	352	1233	1091	88.5	0.46
2440.00	125	184	329	74	174	318	886	761	85.9	0.43
2450.00	103	323	542	114	252	366	1334	1231	92.3	0.45
2460.00	87	294	505	111	250	413	1247	1160	93.0	0.44
2470.00	182	467	648	147	303	493	1747	1565	89.6	0.49
2480.00	79	226	410	93	224	413	1032	953	92.3	0.42
2490.00	142	453	717	164	373	656	1849	1707	92.3	0.44
2500.00	62	127	302	74	199	454	764	702	91.9	0.37
2510.00	73	124	289	70	195	502	751	678	90.3	0.36
2520.00	156	617	966	190	398	555	2327	2171	93.3	0.48
2530.00	359	1643	2246	391	818	982	5457	5098	93.4	0.48
2540.00	155	968	1793	327	737	945	3980	3825	96.1	0.44
2550.00	195	1018	1793	279	6420	173	9705	9510	98.0	0.04

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Table 1b: C1 to C7 hydrocarbons in CUTTINGS gas
(µl gas/kg rock)

Project: 35/11-4
Well: NOCS 35/11-4
Depth unit of measure: m * Indicated values in ml gas/kg source rock

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4 / nC4
2560.00	78	312	909	160	420	526	1879	1801	95.9	0.38
2570.00	89	307	817	138	366	452	1717	1628	94.8	0.38
2580.00	114	370	1007	165	461	512	2117	2003	94.6	0.36
2590.00	77	273	934	155	449	448	1888	1811	95.9	0.35
2600.00	85	245	886	172	507	571	1895	1810	95.5	0.34
2610.00	76	447	1374	224	642	432	2763	2687	97.3	0.35
2620.00	91	643	1873	310	915	688	3832	3741	97.6	0.34
2630.00	1970	7689	7150	769	1680	968	19258	17288	89.8	0.46
2650.00	1678	5876	7134	861	2170	1430	17719	16041	90.5	0.40
2670.00	1895	4003	3596	452	1367	1569	11313	9418	83.3	0.33
2690.00	172	403	837	149	521	932	2082	1910	91.7	0.29
2710.00	471	1398	3018	716	2451	8186	8054	7583	94.2	0.29
2730.00	1514	2330	2184	552	1810	10000	8390	6876	82.0	0.30
2750.00	11458	12817	6136	481	1313	1792	32205	20747	64.4	0.37
2770.00	351	569	612	74	301	830	1907	1556	81.6	0.25
2790.00	421	1736	2955	548	1798	3605	7458	7037	94.4	0.30
2810.00	2311	1301	1168	171	394	593	5345	3034	56.8	0.43
2830.00	122	141	417	79	344	546	1103	981	88.9	0.23
2850.00	82	66	252	52	217	459	669	587	87.7	0.24
2870.00	231	333	506	79	292	486	1441	1210	84.0	0.27
2880.00	208	433	881	184	665	1293	2371	2163	91.2	0.28
2890.00	2020	1632	1737	267	939	1674	6595	4575	69.4	0.28
2900.00	276	208	274	47	207	584	1012	736	72.7	0.23

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Table 1b: C1 to C7 hydrocarbons in CUTTINGS gas
(µl gas/kg rock)

Project: 35/11-4
Well: NOCS 35/11-4
Depth unit of measure: m * Indicated values in ml gas/kg source rock

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4/nC4
2910.00	125	238	425	67	281	784	1136	1011	89.0	0.24
2930.00	227	252	692	179	647	2125	1997	1770	88.6	0.28
2950.00	102	216	746	207	696	1721	1967	1865	94.8	0.30
2970.00	106	361	965	234	739	1769	2405	2299	95.6	0.32
2990.00	202	499	1096	268	780	1727	2845	2643	92.9	0.34
3010.00	198	392	593	117	364	1056	1664	1466	88.1	0.32
3030.00	492	217	229	38	147	618	1123	631	56.2	0.26
3050.00	1228	536	368	45	164	546	2341	1113	47.5	0.27
3070.00	192	167	176	21	82	290	638	446	69.9	0.26
3090.00	512	81	110	17	68	298	788	276	35.0	0.25
3110.00	11505	3944	2254	253	663	620	18619	7114	38.2	0.38
3127.00	6801	2998	1735	168	544	635	12246	5445	44.5	0.31

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Table 1c: C1 to C7 hydrocarbons in HEADSPACE and CUTTINGS gas
(µl gas/kg rock)

Project: 35/11-4
Well: NOCS 35/11-4
Depth unit of measure: m * Indicated values in ml gas/kg source rock

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4/nC4
1040.00	37289	604	778	416	149	284	39236	1947	5.0	2.79
1080.00	200642	3390	7489	4129	1806	4371	217456	16814	7.7	2.29
1120.00	19198	383	777	267	125	270	20750	1552	7.5	2.14
1160.00	28596	497	754	217	115	277	30179	1583	5.3	1.89
1200.00	8008	77	59	17	10	64	8171	163	2.0	1.70
1240.00	12389	96	41	8	7	26	12541	152	1.2	1.14
1280.00	6908	103	43	9	8	34	7071	163	2.3	1.13
1320.00	8565	204	89	17	17	38	8892	327	3.7	1.00
1360.00	334	18	9	5	3	18	369	35	9.5	1.67
1400.00	1152	32	18	9	5	24	1216	64	5.3	1.80
1440.00	4024	60	20	16	7	58	4127	103	2.5	2.29
1480.00	5472	85	29	15	11	43	5612	140	2.5	1.36
1520.00	2387	34	11	6	4	40	2442	55	2.3	1.50
1560.00	1297	29	10	6	3	26	1345	48	3.6	2.00
1600.00	568	21	10	7	5	25	611	43	7.0	1.40
1640.00	999	45	54	23	18	24	1139	140	12.3	1.28
1680.00	144	9	9	5	3	12	170	26	15.3	1.67
1720.00	115	9	9	5	5	21	143	28	19.6	1.00
1740.00	3338	389	405	203	286	1968	4621	1283	27.8	0.71
1760.00	794	119	117	55	75	121	1160	366	31.6	0.73
1780.00	1538	237	196	98	138	1045	2207	669	30.3	0.71
1800.00	1028	142	181	92	133	350	1576	548	34.8	0.69

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Table 1c: C1 to C7 hydrocarbons in HEADSPACE and CUTTINGS gas
(µl gas/kg rock)

Project: 35/11-4
Well: NOCS 35/11-4
Depth unit of measure: m * Indicated values in ml gas/kg source rock

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4 / nC4
1820.00	1723	255	207	90	131	832	2406	683	28.4	0.69
1840.00	228	52	73	33	57	292	443	215	48.5	0.58
1860.00	2897	455	512	247	376	2764	4487	1590	35.4	0.66
1880.00	473	97	150	73	137	944	930	457	49.1	0.53
1900.00	1128	159	238	110	216	1470	1851	723	39.1	0.51
1910.00	891	136	208	99	193	1799	1527	636	41.7	0.51
1920.00	3476	394	571	265	543	3426	5249	1773	33.8	0.49
1930.00	3189	459	780	375	810	5039	5613	2424	43.2	0.46
1940.00	1892	299	485	204	471	3042	3351	1459	43.5	0.43
1950.00	3816	1170	2262	965	2191	10819	10404	6588	63.3	0.44
1960.00	5013	1265	1921	650	1541	6460	10390	5377	51.8	0.42
1970.00	7006	1744	2123	588	1362	3662	12823	5817	45.4	0.43
1980.00	36596	11424	9313	1592	3910	4702	62835	26239	41.8	0.41
1990.00	36788	11382	9494	1393	3825	4611	62882	26094	41.5	0.36
2000.00	31624	23173	27688	6478	18768	32196	107731	76107	70.7	0.35
2010.00	6399	4589	6497	1541	4975	14978	24001	17602	73.3	0.31
2020.00	2809	1820	2381	525	1893	11470	9428	6619	70.2	0.28
2030.00	14972	5664	9654	2032	5931	8932	38253	23281	60.9	0.34
2040.00	18921	11304	18831	4534	12713	39579	66303	47382	71.5	0.36
2050.00	446	3662	7675	1861	5280	25870	18924	18478	97.6	0.35
2060.00	340	68	115	37	166	4845	726	386	53.2	0.22
2070.00	1106	851	1875	630	1846	14904	6308	5202	82.5	0.34

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Table 1c: C1 to C7 hydrocarbons in HEADSPACE and CUTTINGS gas
(µl gas/kg rock)

Project: 35/11-4
Well: NOCS 35/11-4
Depth unit of measure: m * Indicated values in ml gas/kg source rock

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4/nC4
2072.00	1943	1344	3639	1316	4057	12288	12299	10356	84.2	0.32
2080.00	619	647	1885	687	2062	13454	5900	5281	89.5	0.33
2090.00	123	35	82	37	140	3953	417	294	70.5	0.26
2100.00	181	21	42	18	63	1330	325	144	44.3	0.29
2110.00	150	19	72	41	142	2085	424	274	64.6	0.29
2120.00	13123	4977	4284	616	1716	4059	24716	11593	46.9	0.36
2130.00	17293	7677	5772	830	2069	4082	33641	16348	48.6	0.40
2140.00	25774	18334	18181	3526	7217	9611	73032	47258	64.7	0.49
2150.00	18811	6057	4272	660	1737	3316	31537	12726	40.4	0.38
2170.00	121766	38405	21750	2537	6164	7389	190622	68856	36.1	0.41
2180.00	355571	118*	57925	5880	13477	14206	550976	195*	35.5	0.44
2190.00	174769	56633	32351	4000	9351	10625	277104	102*	36.9	0.43
2200.00	17359	22926	46638	9487	27728	63884	124138	107*	86.0	0.34
2210.00	62994	24515	14939	1778	4326	6812	108552	45558	42.0	0.41
2220.00	166230	39414	18374	1875	4440	4642	230333	64103	27.8	0.42
2230.00	404066	100*	46828	5344	11706	13393	568088	164*	28.9	0.46
2240.00	273500	65439	28806	3200	6632	7030	377577	104*	27.6	0.48
2250.00	749536	204*	99808	11560	23673	25256	1089*	339*	31.2	0.49
2260.00	131619	44004	24535	2985	6670	8152	209813	78194	37.3	0.45
2270.00	123090	52841	32241	3760	8609	10331	220541	97451	44.2	0.44
2280.00	43876	66221	103*	18498	49818	97448	281639	238*	84.4	0.37
2290.00	1245	3721	11538	3331	9169	33806	29004	27759	95.7	0.36

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Table 1c: C1 to C7 hydrocarbons in HEADSPACE and CUTTINGS gas
(µl gas/kg rock)

Project: 35/11-4
Well: NOCS 35/11-4
Depth unit of measure: m * Indicated values in ml gas/kg source rock

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4 / nC4
2300.00	4832	5935	9274	1774	4825	10110	26640	21808	81.9	0.37
2310.00	12223	6339	4563	674	2061	4308	25860	13637	52.7	0.33
2315.00	11526	8373	10054	1566	4235	6922	35754	24228	67.8	0.37
2330.00	475	560	842	104	410	1469	2391	1916	80.1	0.25
2340.00	6171	3501	2603	270	869	2061	13414	7243	54.0	0.31
2350.00	47632	15807	9029	894	2469	2654	75831	28199	37.2	0.36
2360.00	8028	3143	1804	218	564	1455	13757	5729	41.6	0.39
2370.00	13432	4683	3110	425	924	1471	22574	9142	40.5	0.46
2380.00	257480	75435	37018	4003	7588	6499	381524	124*	32.5	0.53
2390.00	115094	30853	14745	1731	2943	2682	165366	50272	30.4	0.59
2400.00	54767	16389	10266	1586	2582	2968	85590	30823	36.0	0.61
2410.00	139175	38746	17668	2280	3292	3067	201161	61986	30.8	0.69
2420.00	103604	29174	12003	1410	2293	2046	148484	44880	30.2	0.61
2430.00	81232	19480	8891	1425	1807	1888	112835	31603	28.0	0.79
2440.00	67901	17941	8690	1465	1893	2305	97890	29989	30.6	0.77
2450.00	190036	47166	21842	3589	4421	4480	267054	77018	28.8	0.81
2460.00	82656	25536	14239	2643	3642	4540	128716	46060	35.8	0.73
2470.00	137148	27296	11071	1749	2377	2747	179641	42493	23.7	0.74
2480.00	45690	13180	6780	1155	1644	2193	68449	22759	33.3	0.70
2490.00	78339	18245	9233	1700	2344	3178	109861	31522	28.7	0.73
2500.00	79108	23847	14000	2510	3983	6243	123448	44340	35.9	0.63
2510.00	91413	28626	18514	3534	5681	8762	147768	56355	38.1	0.62

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Table 1c: C1 to C7 hydrocarbons in HEADSPACE and CUTTINGS gas
(μl gas/kg rock)

Project: 35/11-4
Well: NOCS 35/11-4
Depth unit of measure: m * Indicated values in ml gas/kg source rock

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4/nC4
2520.00	52165	12758	6741	1175	1740	2208	74579	22414	30.1	0.68
2530.00	68315	21862	10711	1437	2470	2482	104795	36480	34.8	0.58
2540.00	91153	34316	17513	2002	3517	3083	148501	57348	38.6	0.57
2550.00	55224	20568	11059	1226	7903	1201	95980	40756	42.5	0.16
2560.00	49886	20093	12769	1413	2703	2460	86864	36978	42.6	0.52
2570.00	439	649	1172	191	484	704	2935	2496	85.0	0.39
2580.00	40206	16014	11127	1184	2260	1713	70791	30585	43.2	0.52
2590.00	4812	4336	4902	671	1447	1304	16168	11356	70.2	0.46
2600.00	55740	25948	20018	2037	4024	3044	107767	52027	48.3	0.51
2610.00	79020	39785	28123	2829	5597	2877	155354	76334	49.1	0.51
2620.00	80110	39816	26428	2641	5443	2818	154438	74328	48.1	0.49
2630.00	15896	18450	16001	2097	4346	3065	56790	40894	72.0	0.48
2650.00	60381	26804	18578	2167	4401	3099	112331	51950	46.3	0.49
2670.00	95058	21956	12742	2247	4670	6739	136673	41615	30.5	0.48
2690.00	9160	4314	3685	507	1373	1855	19039	9879	51.9	0.37
2710.00	28870	11382	20476	5318	12806	22953	78852	49982	63.4	0.42
2730.00	41280	10914	13690	3358	8080	19685	77322	36042	46.6	0.42
2750.00	152081	36089	13065	1293	2905	4643	205433	53352	26.0	0.45
2770.00	1433	4692	2946	351	908	1720	10330	8897	86.1	0.39
2790.00	12661	5287	7046	1631	4026	7422	30651	17990	58.7	0.41
2810.00	29971	7222	5178	729	1575	2043	44675	14704	32.9	0.46
2830.00	13761	8446	8960	1274	3095	3473	35536	21775	61.3	0.41

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Table 1c: C1 to C7 hydrocarbons in HEADSPACE and CUTTINGS gas
(µl gas/kg rock)

Project: 35/11-4
Well: NOCS 35/11-4
Depth unit of measure: m * Indicated values in ml gas/kg source rock

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4/nC4
2850.00	1056	1724	2448	403	1489	2200	7120	6064	85.2	0.27
2870.00	11101	4405	3010	411	898	1054	19825	8724	44.0	0.46
2880.00	16939	7596	6797	1011	2395	2999	34738	17799	51.2	0.42
2890.00	31158	7869	5023	707	1653	2253	46410	15252	32.9	0.43
2900.00	4354	1432	1259	218	589	1291	7852	3498	44.6	0.37
2910.00	6299	3274	2410	353	868	1723	13204	6905	52.3	0.41
2930.00	3804	1898	2263	509	1360	3398	9834	6030	61.3	0.37
2950.00	5153	3455	3929	807	1909	3753	15253	10100	66.2	0.42
2970.00	4460	2922	3140	611	1451	2964	12584	8124	64.6	0.42
2990.00	4628	1940	2109	446	1092	2289	10215	5587	54.7	0.41
3010.00	809	627	756	144	412	1166	2748	1939	70.6	0.35
3030.00	2073	824	724	138	359	1507	4118	2045	49.7	0.38
3050.00	12154	2287	1133	141	350	1288	16065	3911	24.3	0.40
3070.00	7554	2240	1270	151	352	1220	11567	4013	34.7	0.43
3090.00	2020	790	612	83	210	875	3715	1695	45.6	0.40
3110.00	69383	9607	3777	373	902	1090	84042	14659	17.4	0.41
3127.00	77325	10493	4065	420	934	1265	93237	15912	17.1	0.45

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth		Type		Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description				
1013.00		swc						0050
	1.80		100	Sh/Clst: drk gy to brn blk, sft, mic, slt				0050-1L
1038.00		swc						0049
			100	Sh/Clst: drk gy to brn blk, sft, calc, slt				0049-1L
1040.00								0051
			95	Sh/Clst: m gy to brn gy to drk y brn, calc, mic, pyr				0051-1L
			5	Ca : ol gy to lt brn to pl y brn, slt				0051-2L
			tr	S/Sst : w to lt gy to gy brn, crs, l				0051-3L
1070.00		swc						0048
	1.61		100	Sh/Clst: m gy to ol gy, sft, calc				0048-1L
1080.00								0052
			70	Sh/Clst: m gy to brn gy to drk y brn, calc, mic, pyr				0052-1L
			20	Sh/Clst: lt bl gy				0052-2L
			10	Ca : ol gy to lt brn to or gy, slt				0052-3L
			tr	S/Sst : w to lt gy to m brn, crs, l				0052-4L
1090.00		swc						0047
			100	Sh/Clst: drk gy to brn blk, sft, calc				0047-1L

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
1113.50	swc						0046
	3.01	100	Sh/Clst: drk gy to brn blk, sft, calc				0046-1L
1120.00							0053
		75	Sh/Clst: m gy to lt brn gy to drk y brn, mic, pyr				0053-1L
		20	Sh/Clst: drk gy to brn blk, calc, hd				0053-2L
		5	Ca : ol gy to lt brn to or gy, slt				0053-3L
		tr	S/Sst : w to lt gy to m brn, crs, l				0053-4L
		tr	Cont : prp				0053-5L
1138.50	swc						0045
		100	Sh/Clst: drk brn to dsk brn, sft				0045-1L
1157.00	swc						0044
	1.79	100	Sh/Clst: drk gy to brn blk, mic, sft				0044-1L
1160.00							0054
		90	Sh/Clst: m gy to lt brn gy to drk y brn, mic, pyr				0054-1L
		5	Sh/Clst: drk gy to brn blk, calc, hd				0054-2L
		5	Ca : ol gy to lt brn to or gy, slt				0054-3L
		tr	S/Sst : w to lt gy to m brn, crs, l				0054-4L
		tr	Cont : prp, dd				0054-5L
1188.50	swc						0043
		95	Sh/Clst: drk gy to drk gn gy, sft				0043-1L
		5	Sh/Clst: m ol brn, sft				0043-2L

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp	Frm	Age	Trb	Sample	Lithology description
1200.00								0055	
			95	Sh/Clst:		gn gy to lt bl gy to m gy		0055-1L	
			5	Sh/Clst:		lt brn gy to drk y brn, mic, pyr		0055-2L	
1215.00		swc						0042	
		0.42	100	Sh/Clst:		drk gy, sft		0042-1L	
1235.00		swc						0041	
			100	Sh/Clst:		drk gy to drk gn gy, sft		0041-1L	
1240.00								0056	
			100	Sh/Clst:		gn gy to lt gn gy to m gy		0056-1L	
			tr	Sh/Clst:		lt brn gy to drk y brn, mic, pyr		0056-2L	
			tr	Ca	:	ol gy to or gy, slt		0056-3L	
1260.00		swc						0040	
		0.29	95	Sh/Clst:		drk gy to brn gy, slt, sft		0040-1L	
			5	Sltst	:	dsk y, sft		0040-2L	
1280.00								0057	
			100	Sh/Clst:		gn gy to lt gn gy to m gy		0057-1L	
			tr	Sh/Clst:		lt brn gy to drk y brn, mic, pyr		0057-2L	
1285.00		swc						0039	
			100	Sh/Clst:		drk gy to brn blk, mic, slt, sft		0039-1L	

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
1306.00	swc						0038
	0.75	90	Sh/Clst:		drk gy to brn gy to brn blk, mic, slt, sft		0038-1L
		10	S/Sst	:	w to lt gy, crs, l		0038-2L
1320.00							0058
		80	Sh/Clst:		gn gy to lt gy, sft		0058-1L
		20	Sh/Clst:		lt brn gy to brn gy, mic, sft		0058-2L
		tr	Sltst	:	lt or gy, s		0058-3L
1340.00	swc						0037
	0.14	100	Sh/Clst:		m bl brn to dsk y gn, mic, slt, sft		0037-1L
1360.00							0059
		80	Sh/Clst:		lt bl gy to m bl gy to gn gy, sft		0059-1L
		20	Sh/Clst:		m gy to lt brn gy to brn gy, mic, sft		0059-2L
		tr	Ca	:	pl y brn, slt		0059-3L
		tr	S/Sst	:	lt gy, crs		0059-4L
1366.00	swc						0036
		100	Sh/Clst:		dsk brn to drk y brn to m gy, mic, sft		0036-1L
1390.00	swc						0035
	0.30	100	Sh/Clst:		m bl brn, mic, sft		0035-1L

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp Frm Age Lithology description	Trb	Sample
1400.00						0060
			60	Sh/Clst: lt bl gy to m bl gy to gn gy		0060-1L
			20	Sh/Clst: lt brn gy to brn gy to drk y brn, mic		0060-2L
			10	Sh/Clst: m brn, slt, calc		0060-3L
			10	Sh/Clst: lt gy to m gy, mic, slt		0060-4L
1405.00	swc					0034
			100	No Mat.		0034-1L
1440.00						0061
			85	Sh/Clst: m gy to drk gy to brn blk, slt, mic		0061-1L
			10	Sh/Clst: lt gy		0061-2L
			5	Ca : lt gy to lt bl gy		0061-3L
			tr	Sh/Clst: m brn, calc		0061-4L
1445.00	swc					0033
			100	No Mat.		0033-1L
1454.50	swc					0032
			100	No Mat.		0032-1L
1470.00	swc					0031
			100	No Mat.		0031-1L

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
1480.00							0062
		100	Sh/Clst:		lt gy to m gy to drk gy to m ol gy		0062-1L
		tr	Sh/Clst:		m brn to brn gy, slt		0062-2L
1494.00	swc						0030
	1.22	100	Sh/Clst:		drk gy to brn blk, sft		0030-1L
1520.00							0063
		70	Sh/Clst:		lt bl gy to lt bl gn		0063-1L
		30	Sh/Clst:		m gy to drk gy, mic		0063-2L
1530.00	swc						0029
	0.35	100	Sh/Clst:		m bl gy to m gy, sft		0029-1L
1560.00							0064
		60	Sh/Clst:		lt bl gy to m gy to drk gy		0064-1L
		25	Sh/Clst:		lt brn gy to brn gy to pl y brn		0064-2L
		15	Sh/Clst:		m bl gy		0064-3L
		tr	S/Sst	:	w to lt gy, crs, l		0064-4L
1565.00	swc						0028
		100	Sh/Clst:		m bl gy, sft		0028-1L
1582.50	swc						0027
	0.41	100	Sh/Clst:		drk gy to brn blk to m ol gy, sft, pyr		0027-1L

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
1600.00							0065
		80	Sh/Clst: m gy to drk gy to m ol gy				0065-1L
		15	Sh/Clst: m bl gy				0065-2L
		5	Sh/Clst: lt brn gy to m brn to brn gy, mic				0065-3L
		tr	S/Sst : w to lt gy, crs, l				0065-4L
1604.00 swc							0026
		100	Sh/Clst: drk gy to brn blk to m ol gy, sft				0026-1L
1625.00 swc							0025
	0.86	100	Sh/Clst: drk gy to brn blk, calc, sft				0025-1L
1640.00							0066
		95	Sh/Clst: m gy				0066-1L
		5	S/Sst : w to lt gy, crs, l, pyr				0066-2L
		tr	Sh/Clst: m brn to m y brn, slt				0066-3L
1650.00 swc							0024
		50	S/Sst : w to lt gy, crs, l				0024-1L
		50	Sh/Clst: m gy to drk gy to brn blk, hd, sft, pyr				0024-2L
1670.00 swc							0023
	2.95	80	Sh/Clst: drk gy to brn blk, mic, sft				0023-1L
		20	Sh/Clst: m gy to gn gy, hd, calc				0023-2L

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
1680.00							0067
		75	S/Sst	:	lt gy to w, crs, l		0067-1L
		25	Sh/Clst	:	m gy to brn blk		0067-2L
		tr	Sh/Clst	:	brn gy to m brn, slt, mic		0067-3L
		tr	Cont	:	prp		0067-4L
1690.00	swc						0022
	0.51	80	S/Sst	:	lt gy to w, crs, l		0022-1L
		20	Sh/Clst	:	m gy to drk gy to brn blk, carb, sft		0022-2L
1707.00	swc						0021
		100	No Mat.				0021-1L
1715.00	swc						0020
	0.81	100	Sh/Clst	:	drk gy to brn blk, calc, s		0020-1L
1720.00							0068
		85	S/Sst	:	lt gy to w, crs, l		0068-1L
		15	Sh/Clst	:	m gy to drk gy		0068-2L
1736.00	swc						0019
		100	Sh/Clst	:	drk gy to brn blk, calc, mic		0019-1L
1740.00							0303
		60	Sh/Clst	:	m gy to drk gy, calc		0303-1L
		25	Cont	:	cem, prp		0303-2L
		15	S/Sst	:	lt gy to w, crs, l		0303-3L

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
1758.00	swc						0018
	1.36	100	Sh/Clst:		drk gy to brn blk, calc, slt, mic, sft		0018-1L
1760.00							0069
		90	Sh/Clst:		m gy to brn gy to lt bl gy to gn gy, calc, pyr		0069-1L
		5	S/Sst	:	w to lt gy, crs, l		0069-2L
		5	Sh/Clst:		lt brn gy to m brn, slt		0069-3L
1771.50	swc						0017
		100	Sh/Clst:		drk gy to brn blk to drk ol gy, calc, sft		0017-1L
1780.00							0304
		85	Sh/Clst:		m gy to drk gy, calc, slt		0304-1L
		5	Cont	:	cem, prp		0304-2L
		5	S/Sst	:	lt gy to w, crs, l		0304-3L
		5	Ca	:	w to lt or		0304-4L
1790.00	swc						0016
		100	Sh/Clst:		drk gy to brn blk to m ol gy, slt, calc, sft		0016-1L
1800.00							0070
		60	Sh/Clst:		m gy to brn gy to lt bl gy, pyr		0070-1L
		30	Sh/Clst:		drk gy to brn blk, mic, slt		0070-2L
		10	Sh/Clst:		gy pi to lt brn gy to m brn, calc, slt		0070-3L
		tr	Ca	:	w to lt or		0070-4L

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp	Frm	Age	Trb	Lithology description	Sample
1820.00									0305
			95	Sh/Clst				m gy to drk gy, calc, slt	0305-1L
			5	Ca				w to lt or, mrl	0305-2L
			tr	S/Sst				w to lt gy, crs	0305-3L
			tr	Sh/Clst				m gy, calc	0305-4L
			tr	Cont				cem	0305-5L
1823.50		swc							0015
		0.54	100	Sh/Clst				drk gy to brn blk, slt, calc, sft	0015-1L
1834.00		swc							0014
			100	Sh/Clst				drk gy to brn blk, slt, calc, sft	0014-1L
1840.00									0071
			55	Sh/Clst				m gy to brn gy to lt bl gy, pyr, calc	0071-1L
			20	Sh/Clst				drk gy to brn blk, mic, slt	0071-2L
			15	Ca				w to lt or	0071-3L
			5	Sh/Clst				lt brn gy to lt brn to m brn, calc, slt	0071-4L
			5	S/Sst				w to lt gy, crs, l	0071-5L
1843.00		swc							0013
		0.63	80	Ca				w, sft	0013-1L
			20	Sh/Clst				drk gy to brn blk, slt, sft	0013-2L
1855.00		swc							0012
			100	Sh/Clst				drk gy to brn blk, slt, sft	0012-1L

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth Int	Cvd	Type TOC%	%	Grp	Frm	Age	Trb	Sample	Lithology description
1860.00								0306	
			80	Sh/Clst				0306-1L	drk gy to m gy to drk gy, calc, slt
			20	Ca				0306-2L	w to lt or
1876.00	swc							0011	
			100	No Mat.				0011-1L	
1880.00								0072	
			60	Sh/Clst				0072-1L	drk gy to lt brn gy to brn blk, pyr
			35	Ca				0072-2L	w to lt gy to lt or
			5	Sh/Clst				0072-3L	m brn to pl brn, slt
			tr	S/Sst				0072-4L	lt gy to w, crs, l
1900.00								0073	
			75	Sh/Clst				0073-1L	drk gy to lt brn gy to brn blk, calc, pyr
			20	Ca				0073-2L	w to lt gy to lt or
			5	Sh/Clst				0073-3L	m brn to pl brn, slt
			tr	S/Sst				0073-4L	lt gy to w, crs, l
			tr	Cont				0073-5L	prp
1903.00	swc							0010	
		0.67	100	Sh/Clst				0010-1L	drk gy to brn blk, sft
			tr	Cont				0010-2L	prp

Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
1910.00							0074
		85	Sh/Clst:		drk gy to lt brn gy to brn blk, calc, pyr		0074-1L
		15	Ca	:	w to lt gy to lt or		0074-2L
		tr	Sh/Clst:		m brn to pl brn, slt, calc		0074-3L
		tr	S/Sst	:	lt gy to w, crs, l		0074-4L
1917.00	swc						0009
	0.94	100	Sh/Clst:		drk gy to lt brn gy to brn blk, slt, hd, sft		0009-1L
1920.00							0075
		80	Sh/Clst:		m gy to drk gy, pyr		0075-1L
		10	Ca	:	w to lt gy to lt or		0075-2L
		5	Sh/Clst:		lt bl gy to pl y gn		0075-3L
		5	Sh/Clst:		lt brn gy to m brn, slt		0075-4L
		tr	S/Sst	:	w to lt gy, crs, l		0075-5L
1930.00							0076
		85	Sh/Clst:		lt gy to m gy to drk gy, pyr		0076-1L
		5	Ca	:	w to lt gy to lt or		0076-2L
		5	Sh/Clst:		lt bl gy to pl y gn		0076-3L
		5	Sh/Clst:		lt brn gy to m brn, slt		0076-4L
		tr	S/Sst	:	w to lt gy, crs, l		0076-5L
1940.00							0077
		60	Sh/Clst:		lt gy to m gy to drk gy, pyr		0077-1L
		30	Sh/Clst:		lt brn to brn gy to pl y brn to drk y brn, hd		0077-2L
		5	Sh/Clst:		lt bl gy to m bl gy		0077-3L
		5	Ca	:	w to lt gy to lt or		0077-4L

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp	Frm	Age / Lithology description	Trb	Sample
1943.00		swc						0008
		2.41	100			Sh/Clst: drk gy to brn blk, slt, mic, sft		0008-1L
1950.00								0078
			50			Sh/Clst: lt gy to m gy to drk gy, pyr		0078-1L
			50			Sh/Clst: brn gy to pl y brn, hd		0078-2L
			tr			Sh/Clst: lt bl gy to m bl gy		0078-3L
			tr			Ca : w to lt gy to lt or		0078-4L
1957.00		swc						0007
		0.88	100			Sh/Clst: drk gy to brn blk, slt, mic, sft		0007-1L
			tr			Cont : prp		0007-2L
1960.00								0079
			85			Sh/Clst: lt gy to m gy to drk gy, pyr		0079-1L
			15			Sh/Clst: brn gy to pl y brn, hd		0079-2L
			tr			Sh/Clst: lt bl gy to m bl gy		0079-3L
			tr			Ca : w to lt gy to lt or		0079-4L
1960.00		swc						0086
			100			S/Sst : w to lt gy to lt brn gy, crs		0086-1L
1968.00		swc						0006
		3.06	100			Sh/Clst: drk gy to brn blk, slt, mic, sft		0006-1L
			tr			Cont : prp		0006-2L

Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
1970.00							0080
		75	Sh/Clst: m gy to drk gy, pyr, slt				0080-1L
		20	Sh/Clst: brn gy to pl y brn, hd				0080-2L
		5	Sh/Clst: lt bl gy to m bl gy				0080-3L
		tr	Ca : w to lt gy to lt or				0080-4L
1977.00 ccp							0143
	2.10	100	Sh/Clst: m gy to drk gy, mic				0143-1L
1978.00 ccp							0144
	2.34	100	Sh/Clst: m gy to drk gy, mic, slt				0144-1L
1979.00 ccp							0145
	3.31	100	Sh/Clst: m gy to drk gy, mic, slt				0145-1L
1980.00							0081
		50	Sh/Clst: m gy to drk gy				0081-1L
		30	Sh/Clst: m gy to brn gy, mic				0081-2L
		15	Sh/Clst: brn gy to pl brn, hd				0081-3L
		5	Sh/Clst: lt bl gy to m bl gy				0081-4L
1980.00 ccp							0146
	1.45	100	Sh/Clst: m gy to drk gy, mic, slt				0146-1L
1981.10 ccp							0147
	0.16	100	S/Sst : w to brn gy to m gy, crs				0147-1L

Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
1981.42	ccp						0148
	0.43	100	S/Sst		: w to brn gy to m gy, crs		0148-1L
1982.00	swc						0005
		100	No Mat.				0005-1L
1982.00	ccp						0149
	0.94	100	S/Sst		: w to brn gy to m gy, crs, mic		0149-1L
1983.00	ccp						0150
	0.43	100	S/Sst		: w to lt gy to brn gy, crs, mic		0150-1L
1984.00	ccp						0151
	0.24	100	S/Sst		: w to lt gy to brn gy, crs, mic		0151-1L
1985.00	ccp						0152
	0.37	100	S/Sst		: w to lt gy to m gy, crs, st		0152-1L
1986.00	ccp						0153
	0.38	100	S/Sst		: lt gy to w, crs, mic, st		0153-1L
1987.00	ccp						0154
	0.20	100	S/Sst		: lt gy to w, crs, f, mic, st		0154-1L

Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth Int	Cvd	Type TOC%	%	Grp	Frm	Age / Lithology description	Trb	Sample
1988.00		ccp						0155
		2.04	100	S/Sst		: w to lt gy to m gy, crs, f, mic, st		0155-1L
1988.90		ccp						0156
			100	S/Sst		: lt gy to m gy, crs, cngl, st		0156-1L
			tr	Sh/Clst		: m gy to drk gy		0156-2L
			tr	Cont		: dd		0156-3L
1989.00		ccp						0157
		1.54	100	S/Sst		: lt gy to m gy, crs, cngl, st		0157-1L
1990.00		swc						0004
		0.75	100	S/Sst		: lt gy to w, crs, l, st		0004-1L
			tr	Sh/Clst		: drk y brn to brn blk, sft		0004-2L
1990.00								0082
			90	Sh/Clst		: drk gy to brn blk, slt, mic, calc		0082-1L
			5	Sh/Clst		: lt bl gy to m bl gy		0082-2L
			5	Sh/Clst		: brn gy to pl brn, hd		0082-3L
			tr	Ca		: w to lt gy		0082-4L
			tr	S/Sst		: lt gy to gy, crs, l		0082-5L
1990.00		ccp						0158
			100	S/Sst		: lt gy to m gy, crs, st		0158-1L

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth		Type		Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description				
1991.00		ccp						0159
	0.24		100	S/Sst	: lt gy to m gy, crs, st			0159-1L
1992.00		ccp						0160
			100	S/Sst	: lt gy to w, crs, l, st			0160-1L
1993.00		ccp						0161
	0.55		100	S/Sst	: w to lt gy to m gy, crs, hd			0161-1L
1994.00		ccp						0162
			100	S/Sst	: lt gy to w, crs, f, l, st			0162-1L
1995.00		swc						0003
	0.27		100	S/Sst	: lt gy to w, crs, l, st			0003-1L
			tr	Sh/Clst	: drk y brn to brn blk			0003-2L
1995.00		ccp						0163
	0.70		100	S/Sst	: lt gy to w, crs, l, st			0163-1L
1996.00		ccp						0164
			100	S/Sst	: lt gy to w, crs, l, st			0164-1L
1997.00		swc						0111
	0.56		100	S/Sst	: lt gy to m gy, crs, l, st			0111-1L

Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
1997.10	ccp						0165
		100	S/Sst	: lt gy to m gy, crs, l, mic, st			0165-1L
1998.00	ccp						0166
		100	S/Sst	: lt gy to m gy, crs, f, mic, st			0166-1L
1999.00	ccp						0167
	0.79	100	S/Sst	: w to lt gy to m gy, crs, l, st			0167-1L
2000.00							0083
		50	S/Sst	: lt gy to m gy, crs, l			0083-1L
		40	Sh/Clst	: dsk brn to brn blk, slt, mic			0083-2L
		5	Sh/Clst	: m gy to drk gy			0083-3L
		5	Sh/Clst	: lt bl gy to m bl gy			0083-4L
		tr	Ca	: w to lt or			0083-5L
2000.00	ccp						0168
		75	S/Sst	: w to lt or, f, l, calc			0168-1L
		25	Sh/Clst	: m brn to brn, s			0168-2L
2001.00	ccp						0169
		100	S/Sst	: lt gy to m gy, crs, mic, st			0169-1L
2002.00	ccp						0170
	0.68	100	S/Sst	: lt gy to m gy, crs, mic, hd			0170-1L

Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth		Type		Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description				
2003.00		swc						0002
	2.25		100	S/Sst		: lt gy, crs, l, st		0002-1L
2003.00		ccp						0171
			100	S/Sst		: lt gy to m gy, crs, mic, l, st		0171-1L
2004.00		ccp						0172
	0.53		100	S/Sst		: lt gy to m gy, crs, mic, l, st		0172-1L
2005.00		ccp						0173
			100	S/Sst		: lt gy to m gy, crs, mic, l, st		0173-1L
2006.00		ccp						0174
			100	S/Sst		: lt gy to m gy, crs, l, st		0174-1L
2006.75		ccp						0175
	0.17		100	S/Sst		: lt gy to m gy, crs, l, st		0175-1L
2009.10		ccp						0176
			100	S/Sst		: lt gy to m gy, crs, l, st		0176-1L
2010.00		ccp						0177
	0.24		100	S/Sst		: lt gy to m gy, crs, l, st		0177-1L

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
2010.00							0307
		80	S/Sst	: lt gy to w, crs, l			0307-1L
		10	Coal	: dsk brn to blk, s			0307-2L
		5	Ca	: w to lt or, mrl			0307-3L
		5	Sh/Clst	: m gy to drk gy			0307-4L
		tr	Cont	: prp			0307-5L
2011.00	swc						0001
	0.23	100	S/Sst	: lt gy, crs, l, st			0001-1L
		tr	Cont	: prp, Mica-ad			0001-2L
2012.00	ccp						0178
		100	S/Sst	: lt gy to m gy, crs, l, st			0178-1L
2013.00	ccp						0179
	1.65	100	S/Sst	: lt gy, crs, l, mic, st			0179-1L
2014.00	ccp						0180
		100	S/Sst	: lt gy, crs, l, st			0180-1L
2015.00	ccp						0181
		100	S/Sst	: lt gy, crs, l, st			0181-1L
2016.00	ccp						0182
	0.47	100	S/Sst	: lt gy, crs, l, st			0182-1L

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
2017.00	ccp						0183
		100	S/Sst	: lt gy, crs, l, st			0183-1L
2018.00	ccp						0184
		100	S/Sst	: lt gy, crs, l, st			0184-1L
2019.00	ccp						0185
	0.42	100	S/Sst	: lt gy, crs, l, st			0185-1L
2020.00	ccp						0186
		100	S/Sst	: lt gy to m gy, crs, f, l, mic, st			0186-1L
2020.00							0308
		90	S/Sst	: lt gy to w, crs, l			0308-1L
		5	Coal	: dsk brn to blk, s			0308-2L
		5	Ca	: w to lt or, mrl			0308-3L
		tr	Sh/Clst	: m gy to drk gy			0308-4L
		tr	Cont	: prp			0308-5L
2021.00	ccp						0187
		100	S/Sst	: lt gy to m gy, crs, f, mic, st			0187-1L
2022.00	ccp						0188
	1.77	100	S/Sst	: lt gy to m gy, f, mic, st			0188-1L

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
2023.00	ccp					0189
		100	S/Sst	: lt gy to m gy, f, mic, st		0189-1L
2024.00	ccp					0190
		100	S/Sst	: lt gy to m gy, f, mic, st		0190-1L
2024.80	ccp					0301
	3.71	100	S/Sst	: lt gy to m gy, f, mic, st		0301-1L
2025.00	ccp					0191
	3.26	100	S/Sst	: lt gy to m gy, f, mic, st		0191-1L
2026.00	ccp					0192
	7.09	100	S/Sst	: m gy to drk gy, f, slt, mic		0192-1L
		tr	Coal	: blk		0192-2L
2027.00	ccp					0193
		100	S/Sst	: m gy to drk gy, f, slt, mic		0193-1L
		tr	Coal	: blk		0193-2L
2027.80	ccp					0194
	1.99	100	S/Sst	: m gy to drk gy, f, slt, mic, st		0194-1L

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
2030.00							0084
		50	S/Sst	:	lt gy to m gy, crs, l		0084-1L
		45	Sh/Clst	:	m gy to drk gy to brn blk, mic		0084-2L
		5	Sh/Clst	:	lt bl gy to m bl gy		0084-3L
		tr	Ca	:	w to lt or		0084-4L
		tr	Coal	:	blk		0084-5L
2030.00 ccp							0195
		95	S/Sst	:	lt gy to w, f, crs, mic		0195-1L
		5	Coal	:	blk		0195-2L
2031.00 ccp							0196
	2.40	100	S/Sst	:	lt gy to m gy, f, mic, st		0196-1L
2032.00 ccp							0197
		100	S/Sst	:	lt gy to m gy, f, slt, mic, st		0197-1L
2033.00 ccp							0198
		100	S/Sst	:	lt gy to m gy, crs, st		0198-1L
2034.00 ccp							0199
	0.67	100	S/Sst	:	lt gy to m gy, crs, st		0199-1L
2035.00 ccp							0200
		100	S/Sst	:	lt gy to m gy to w, crs, l, st		0200-1L

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp	Frm	Age	Trb	Lithology description	Sample
2036.00		ccp							0201
			100	S/Sst				: lt gy to m gy to w, crs, l, st	0201-1L
2037.00		ccp							0202
		0.73	100	S/Sst				: lt gy to m gy to w, crs, l, st	0202-1L
2038.00		ccp							0203
			100	S/Sst				: lt gy to m gy to w, crs, l, st	0203-1L
2039.10		ccp							0204
			100	S/Sst				: lt gy to m gy to w, crs, l, st	0204-1L
2040.00		ccp							0205
		0.78	100	S/Sst				: w to lt gy to m gy, crs, l, st	0205-1L
2040.00									0309
			95	S/Sst				: lt gy to w, crs, l	0309-1L
			5	Sh/Clst				: lt gy	0309-2L
			tr	Ca				: w, mrl	0309-3L
			tr	Cont				: prp	0309-4L
2041.00		ccp							0206
			100	S/Sst				: w to lt gy to m gy, crs, l, st	0206-1L

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
2042.00	ccp					0207
		100	S/Sst	: w to lt gy to m gy, crs, l, st, mic		0207-1L
2043.00	ccp					0208
	1.47	100	S/Sst	: w to lt gy to m gy, crs, f, mic, hd		0208-1L
2044.00	ccp					0209
		100	S/Sst	: w to lt gy to m gy, f, mic, hd, calc		0209-1L
2045.00	ccp					0210
		100	S/Sst	: lt gy to m gy, crs, st		0210-1L
2046.00	ccp					0211
	0.38	100	S/Sst	: lt gy to m gy, crs, st		0211-1L
2047.00	ccp					0212
		100	S/Sst	: lt gy to m gy, crs, st		0212-1L
2047.50	ccp					0213
		100	S/Sst	: lt gy to m gy, crs, l, st		0213-1L

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth		Type		Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description				
2048.25		ccp						0214
			100	S/Sst	:	lt gy to m gy, crs, l, st		0214-1L
2049.00		ccp						0215
		0.44	100	S/Sst	:	lt gy to m gy, crs, l, st		0215-1L
2050.00		ccp						0216
			100	S/Sst	:	w to lt gy to m gy, crs, l, calc, st		0216-1L
2050.00								0310
			100	S/Sst	:	w to lt gy to m gy, crs, l		0310-1L
			tr	Sh/Clst	:	lt gy		0310-2L
			tr	Cont	:	prp		0310-3L
2051.00		ccp						0217
			100	S/Sst	:	lt gy to m gy to lt or, crs, cngl, calc		0217-1L
2052.00		ccp						0218
		0.45	100	S/Sst	:	lt gy to m gy, crs, l, calc, st		0218-1L
2053.00		ccp						0219
			100	S/Sst	:	lt gy to m gy, crs, cngl		0219-1L

Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
2054.00	ccp						0220
		100	S/Sst	: lt gy to m gy, crs, cngl, l			0220-1L
2055.00	ccp						0221
	0.51	100	S/Sst	: lt gy to m gy, crs, l			0221-1L
2056.00	ccp						0222
		100	S/Sst	: lt gy to m gy, crs, l			0222-1L
2057.00	ccp						0223
		100	S/Sst	: lt gy to m gy, crs, l			0223-1L
2057.70	ccp						0224
		100	S/Sst	: lt gy to m gy, crs, hd, calc			0224-1L
2058.00	ccp						0225
	0.71	100	S/Sst	: w to lt gy to m gy, crs, l, st			0225-1L
2059.00	ccp						0226
		100	S/Sst	: w to lt gy, crs, l			0226-1L
		tr	Coal	: blk			0226-2L
2060.00	ccp						0227
	0.22	100	S/Sst	: w to lt gy to m gy, crs, l, st			0227-1L

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
2060.00							0311
		100	S/Sst	: w to lt gy to m gy, crs, l			0311-1L
		tr	Cont	: prp, dd			0311-2L
2062.00	ccp						0228
	0.48	100	S/Sst	: w to lt gy to m gy, crs, l, st			0228-1L
		tr	Cont	: prp, dd			0228-2L
2063.00	ccp						0229
		100	S/Sst	: lt gy to m gy, crs, l, st			0229-1L
2064.00	ccp						0230
	0.34	100	S/Sst	: lt gy to w, crs, l, mic			0230-1L
2065.00	ccp						0231
		100	S/Sst	: lt gy to w, crs, l, mic			0231-1L
2066.00	ccp						0232
		100	S/Sst	: w to lt gy to lt brn, crs, l			0232-1L
2067.00	ccp						0233
	2.10	100	S/Sst	: w to lt gy, f, hd			0233-1L

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
2068.00	ccp						0234
		100	S/Sst	: w to lt gy, f, hd, mic			0234-1L
		tr	Coal	: brn blk to blk			0234-2L
2069.00	ccp						0235
		100	S/Sst	: w to lt gy, f, hd, mic			0235-1L
2070.00	ccp						0236
	0.49	100	S/Sst	: w to lt gy, f, crs, l, mic			0236-1L
2070.00							0312
		95	S/Sst	: lt gy to m gy, crs, l			0312-1L
		5	Ca	: w to lt gy, mrl			0312-2L
		tr	Cont	: cem, prp, dd			0312-3L
2071.00	ccp						0237
		100	S/Sst	: lt gy to m gy, crs, l			0237-1L
2072.00							0085
		60	S/Sst	: lt gy to lt gy, crs, l			0085-1L
		30	Sh/Clst	: m gy to drk gy to brn blk			0085-2L
		10	Sh/Clst	: lt bl gy to m bl gy			0085-3L
		tr	Ca	: w to lt or			0085-4L
2072.00	ccp						0238
		100	S/Sst	: lt gy to m gy, crs, l			0238-1L

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth		Type		Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description				
2073.00		ccp						0239
		0.16	100	S/Sst		: lt gy to m gy, crs, l		0239-1L
2074.00		ccp						0240
			100	S/Sst		: lt gy to w, crs, l		0240-1L
2075.00		swc						0087
			100	S/Sst		: w to lt gy, crs, l, mic		0087-1L
2075.00		ccp						0241
			100	S/Sst		: lt gy to w, crs, l		0241-1L
2076.00		ccp						0242
		0.10	100	S/Sst		: lt gy to w, crs, hd		0242-1L
			tr	Ca		: lt or to or gy		0242-2L
2077.00		ccp						0243
			100	S/Sst		: lt gy to w, crs, hd, calc		0243-1L
2078.00		ccp						0244
			100	S/Sst		: lt gy to w, crs, l		0244-1L
2079.00		ccp						0245
		0.11	100	S/Sst		: lt gy to w, crs, l		0245-1L

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth		Type		Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description				
2080.00		ccp						0246
			100	S/Sst	: lt gy to w, crs, l			0246-1L
2080.00								0313
			85	S/Sst	: lt gy to m gy, crs, l			0313-1L
			5	Ca	: w to lt gy, mrl			0313-2L
			5	Sh/Clst	: m gy, calc			0313-3L
			5	Cont	: cem, prp, dd			0313-4L
2081.00		ccp						0247
			100	S/Sst	: lt gy to w, crs, l			0247-1L
2082.00		ccp						0248
		0.19	100	S/Sst	: lt gy to w, crs, l			0248-1L
2083.00		ccp						0249
			100	S/Sst	: lt gy to w, crs, l			0249-1L
2083.80		ccp						0250
		0.55	100	S/Sst	: lt gy to w, crs, l			0250-1L
2090.00								0314
			50	S/Sst	: w to lt gy to m gy, crs, l			0314-1L
			50	Ca	: w to lt or to lt gy, mrl, s			0314-2L
			tr	Sh/Clst	: m gy, calc			0314-3L
			tr	Cont	: cem, prp, dd			0314-4L

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth		Type		Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description				
2098.00		swc						0088
		0.19	100	S/Sst		: w to lt gy, crs, l, mic		0088-1L
2100.00								0315
			75	S/Sst		: w to lt gy to m gy, crs, l, f		0315-1L
			25	Ca		: w to lt or to lt gy, mrl, s		0315-2L
			tr	Cont		: cem, prp, dd		0315-3L
2110.00								0316
		0.09	60	S/Sst		: w to lt gy to m gy, crs, l, f		0316-1L
			40	Ca		: w to lt or to lt gy, mrl, s		0316-2L
			tr	Cont		: cem, prp, dd		0316-3L
2116.00		swc						0089
			100	S/Sst		: w to lt gy, f, slt, mic, l		0089-1L
			tr	Coal		: blk		0089-2L
2120.00								0317
			40	S/Sst		: w to lt gy to m gy, crs, l, f		0317-1L
			40	Ca		: w to lt or to lt gy, mrl, s		0317-2L
			20	Sh/Clst		: m gy to drk gy, calc		0317-3L
			tr	Coal		: dsk brn to brn blk		0317-4L
			tr	Cont		: prp		0317-5L
2126.50		swc						0090
		0.54	100	S/Sst		: w to lt gy to lt brn gy, f, slt, mic, l		0090-1L

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
2130.00							0318
		40	S/Sst	:	w to lt gy to m gy, crs, l, f, kln		0318-1L
		40	Ca	:	w to lt or to lt gy, mrl, s		0318-2L
		20	Sh/Clst	:	m gy to drk gy, calc		0318-3L
2140.00							0319
		40	S/Sst	:	w to lt gy to m gy, crs, l, f, kln		0319-1L
		30	Ca	:	w to lt or to lt gy, mrl, s		0319-2L
		30	Sh/Clst	:	m gy to drk gy to brn gy		0319-3L
2142.00	swc						0091
		100	S/Sst	:	w to lt gy to brn gy to lt brn gy, f, slt, mic, l		0091-1L
2150.00							0320
	1.24	50	Sh/Clst	:	lt gy to m gy, slt		0320-1L
		25	Sh/Clst	:	drk gy to brn gy		0320-2L
		15	S/Sst	:	w to lt gy, crs, l, f, kln		0320-3L
		10	Marl	:	lt or to or gy		0320-4L
2160.00	swc						0092
	1.79	100	S/Sst	:	w to lt gy to brn gy, f, slt, mic, l		0092-1L
2160.00							0321
		40	Sh/Clst	:	lt gy to m gy, slt, mic		0321-1L
		30	S/Sst	:	w to lt gy to m gy, crs, l, f, kln		0321-2L
		30	Sh/Clst	:	m gy to brn gy		0321-3L
		tr	Ca	:	w to lt or, mrl		0321-4L
		tr	Coal	:	dsk brn to blk		0321-5L

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
2170.00							0322
		75	Sltst	:	lt gy to m gy to brn gy, mic		0322-1L
		20	S/Sst	:	w to lt gy to m gy, crs, l, f, kln		0322-2L
		5	Ca	:	w to lt or, mrl		0322-3L
2177.50	swc						0093
		100	S/Sst	:	w to lt gy to brn gy, f, slt, mic, l		0093-1L
2180.00							0323
	1.36	100	Sltst	:	lt gy to m gy to brn gy, mic		0323-1L
		tr	S/Sst	:	w to lt gy, f, kln		0323-2L
2190.00							0324
	2.78	100	Sltst	:	m gy to brn gy, mic		0324-1L
2197.00	swc						0094
	1.29	100	Sltst	:	lt brn gy to m gy to brn gy to drk y brn, s, mic, l		0094-1L
2200.00							0325
		100	Sltst	:	m gy to brn gy, mic		0325-1L
		tr	Cont	:	prp, dd		0325-2L

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth Int	Cvd	Type TOC%	%	Grp	Frm	Age	Trb	Lithology description	Sample
2210.00									0326
		0.98	100	Sltst				: m gy to drk gy to brn gy, mic, s	0326-1L
			tr	S/Sst				: w to lt gy, crs, l	0326-2L
			tr	Cont				: prp, dd	0326-3L
2220.00	swc								0095
			100	Sltst				: lt brn gy to brn gy to drk y brn, cly, mic, l	0095-1L
2220.00									0327
		1.82	75	Sltst				: m gy to drk gy to brn gy, mic, s	0327-1L
			20	Cont				: prp, dd	0327-2L
			5	S/Sst				: w to lt gy, crs, l	0327-3L
2230.00									0328
		2.19	85	Sltst				: m gy to drk gy to brn gy, mic, s	0328-1L
			10	Cont				: prp, dd	0328-2L
			5	S/Sst				: w to lt gy, crs, l	0328-3L
2240.00									0329
			90	Sltst				: m gy to drk gy to brn gy, mic, s	0329-1L
			5	Cont				: prp, dd	0329-2L
			5	S/Sst				: w to lt gy, crs, l	0329-3L
2245.00	swc								0096
		1.48	100	Sltst				: m gy to brn gy to drk y brn to w, s, mic, l	0096-1L

Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
2250.00							0330
		100	Sltst	:	m gy to drk gy to brn gy, mic, s		0330-1L
		tr	S/Sst	:	w to lt gy, crs, l		0330-2L
		tr	Coal	:	dsk brn to blk		0330-3L
		tr	Cont	:	prp, dd		0330-4L
2260.00	swc						0112
	0.84	100	S/Sst	:	w to lt gy to lt brn gy, f		0112-1L
2260.00							0331
		60	Sltst	:	m gy to drk gy to brn gy, mic, s		0331-1L
		35	S/Sst	:	w to lt gy, crs, l, f, kln		0331-2L
		5	Cont	:	prp, dd		0331-3L
		tr	Sh/Clst	:	m gy		0331-4L
2270.00	swc						0097
	1.79	100	Sltst	:	m gy to brn gy to dsk brn, s, mic, l		0097-1L
2270.00							0332
		80	Sltst	:	m gy to drk gy to brn gy, mic, s		0332-1L
		20	S/Sst	:	w to lt gy, crs, l, f, kln		0332-2L
		tr	Cont	:	prp, dd		0332-3L
2280.00							0333
	1.10	75	Sltst	:	m gy to drk gy to brn gy, mic, s		0333-1L
		25	S/Sst	:	w to lt gy, crs, l, f, kln		0333-2L
		tr	Cont	:	prp, dd		0333-3L

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
2285.00	ccp					0251
		100	S/Sst	: lt gy to w, crs, l, st		0251-1L
2286.00	ccp					0252
	0.36	100	S/Sst	: w to lt gy to m gy, crs, l, st		0252-1L
2287.00	ccp					0253
		100	S/Sst	: w to lt gy to m gy, crs, l, st		0253-1L
2288.00	ccp					0254
		100	S/Sst	: w to lt gy to m gy, crs, l, st		0254-1L
2289.00	ccp					0255
	0.51	100	S/Sst	: lt gy to m gy, crs, f, hd, st		0255-1L
2289.60	ccp					0256
		100	S/Sst	: lt gy to m gy, crs, l, st, mic		0256-1L
2289.80	ccp					0257
		100	S/Sst	: lt gy to m gy, crs, hd, mic		0257-1L
2290.00						0334
		50	Sltst	: m gy to drk gy to brn gy, mic, s		0334-1L
		50	S/Sst	: lt gy to m gy, crs, l		0334-2L
		tr	Cont	: prp, dd		0334-3L

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth		Type		Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description				
2290.50		ccp						0258
	0.29		100	S/Sst		: lt gy to m gy, f, crs, hd, calc		0258-1L
2291.10		ccp						0259
			100	S/Sst		: lt gy to m gy, f, hd, mic		0259-1L
2292.00		ccp						0260
			100	S/Sst		: lt gy to lt brn gy, f, hd, mic		0260-1L
2293.00		ccp						0261
	1.00		100	S/Sst		: lt gy to lt brn gy, f, hd, mic		0261-1L
2294.00		ccp						0262
			100	S/Sst		: lt gy to m gy to lt brn gy, f, hd, mic		0262-1L
2295.00		ccp						0263
			100	S/Sst		: lt gy to lt brn gy to brn gy, f, hd, mic		0263-1L
2296.00		ccp						0264
	1.00		100	S/Sst		: lt gy to lt brn gy to brn gy, f, slt, mic, hd		0264-1L

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
2297.00	ccp						0265
		100	Sltst	:	lt gy to lt brn gy to brn gy, s, mic, hd		0265-1L
2298.00	ccp						0266
		100	Sltst	:	lt gy to lt brn gy to brn gy, s, mic, hd		0266-1L
2299.00	ccp						0267
1.10		100	Sltst	:	lt gy to lt brn gy to brn gy, s, mic, hd		0267-1L
2299.95	ccp						0268
		100	Sltst	:	lt gy to lt brn gy to brn gy, s, mic, hd		0268-1L
2300.00							0335
		85	S/Sst	:	lt gy to m gy, crs, l		0335-1L
		10	Sltst	:	m gy to brn gy, mic, s		0335-2L
		5	Sh/Clst	:	pl y brn to drk y brn		0335-3L
		tr	Cont	:	prp		0335-4L
2300.40	ccp						0269
		100	Sltst	:	lt gy to lt brn gy to brn gy, s, mic, hd		0269-1L

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
2300.50	ccp						0270
		100	Sltst	:	m gy to lt brn gy to brn gy, s, calc, hd		0270-1L
2301.00	ccp						0271
		100	Sltst	:	m gy to lt brn gy to brn gy, s, calc, hd		0271-1L
2302.00	ccp						0272
	1.14	100	Sltst	:	m gy to lt brn gy to brn gy, mic, hd		0272-1L
2303.00	swc						0113
		100	S/Sst	:	lt gy to m gy to drk gy, f, slt		0113-1L
2303.00	ccp						0273
		100	Sltst	:	m gy to lt brn gy to brn gy, mic, hd		0273-1L
2304.00	ccp						0274
		100	Sltst	:	m gy to lt brn gy to brn gy, cly, mic, hd		0274-1L
2305.00	ccp						0275
		90	S/Sst	:	w to lt gy, crs, hd		0275-1L
		10	Sh/Clst	:	drk y brn to brn gy, mic		0275-2L

Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
2306.00	ccp						0276
	0.60	100	S/Sst		: w to lt gy, crs, hd, mic		0276-1L
2307.00	ccp						0277
		100	Sltst		: m gy to lt brn gy to brn gy, s, mic, hd		0277-1L
2307.60	ccp						0278
		100	S/Sst		: w to lt gy, f, slt, mic		0278-1L
		tr	Coal		: blk		0278-2L
2308.00	ccp						0279
		100	S/Sst		: w to lt gy, f, slt, mic		0279-1L
2309.00	ccp						0280
	2.12	100	Sltst		: lt gy to lt brn gy, s, mic		0280-1L
2310.00	ccp						0281
		100	S/Sst		: w to lt gy to lt brn gy, crs		0281-1L
		tr	Coal		: brn blk to blk		0281-2L
2310.00							0336
		100	S/Sst		: lt gy to m gy, crs, l		0336-1L
		tr	Sltst		: m gy to brn gy, mic, s		0336-2L
		tr	Coal		: blk		0336-3L
		tr	Ca		: lt or, mrl		0336-4L
		tr	Cont		: prp, Mica-ad		0336-5L

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
2311.00	ccp						0282
		100	S/Sst	: w to lt gy to lt brn gy, crs, hd			0282-1L
		tr	Sh/Clst	: dsk brn to gy brn			0282-2L
2312.00	ccp						0283
	0.33	100	S/Sst	: lt gy to lt brn gy, f, mic, hd			0283-1L
2313.00	ccp						0284
		100	S/Sst	: lt gy to lt brn gy, f, slt, mic, hd			0284-1L
2314.00	ccp						0285
		100	S/Sst	: lt gy, crs, l, st			0285-1L
2314.80	ccp						0302
	0.47	100	S/Sst	: lt gy to m gy, crs, l, st			0302-1L
2315.00	ccp						0286
	0.32	100	S/Sst	: lt gy to lt brn, crs, l, st			0286-1L
2315.00							0337
		100	S/Sst	: lt gy to m gy, crs, l			0337-1L
		tr	Coal	: blk			0337-2L
		tr	Ca	: lt or, mrl			0337-3L
		tr	Cont	: prp, cem, dd			0337-4L

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp	Frm	Age	Trb	Sample
				Lithology description				
2316.00		ccp						0287
			100	S/Sst		: lt gy to lt brn, crs, l, st		0287-1L
2316.80		ccp						0288
			100	S/Sst		: lt gy to lt brn, crs, l, st		0288-1L
2317.10		ccp						0289
			100	S/Sst		: lt gy to lt brn, crs, l, st		0289-1L
2318.00		ccp						0290
	0.36		100	S/Sst		: lt gy to lt brn, crs, l, st		0290-1L
2319.00		ccp						0291
			100	S/Sst		: lt gy to lt brn, crs, l, st		0291-1L
2320.00		ccp						0292
			100	S/Sst		: lt gy to lt brn, crs, l, st		0292-1L
2321.00		ccp						0293
	0.55		100	S/Sst		: lt gy to lt brn, crs, l, st		0293-1L
2322.00		ccp						0294
			100	S/Sst		: lt gy to lt brn, crs, l, st		0294-1L

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
2323.00	ccp						0295
		100	S/Sst	: lt gy to lt brn, crs, l, st			0295-1L
2324.00	ccp						0296
	0.37	100	S/Sst	: lt brn to lt gy, crs, f, mic, hd			0296-1L
2325.00	ccp						0297
		100	S/Sst	: lt brn to lt gy to w, crs, f, mic, hd			0297-1L
		tr	Sh/Clst	: dsk brn to gy brn			0297-2L
2325.50	ccp						0298
		100	S/Sst	: lt brn to lt gy to w, f, slt, hd			0298-1L
		tr	Sh/Clst	: dsk brn to gy brn			0298-2L
2326.00	ccp						0299
	3.10	100	Sh/Clst	: brn gy to lt brn gy, mic, slt, lam, hd			0299-1L
2326.50	ccp						0300
		100	S/Sst	: lt gy to lt brn, crs, hd, st, hd			0300-1L
2330.00							0338
		100	S/Sst	: lt gy to m gy, crs, l			0338-1L
		tr	Coal	: dsk brn to blk			0338-2L
		tr	Cont	: prp, cem, dd			0338-3L

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
2340.00						0339
		100	S/Sst	: lt gy to m gy, crs, l		0339-1L
		tr	Sltst	: m gy to brn gy, mic, s		0339-2L
		tr	Cont	: prp, cem, dd		0339-3L
2350.00	swc					0098
	0.14	100	S/Sst	: w to lt gy, f, l, mic		0098-1L
2350.00						0340
		100	S/Sst	: lt gy to m gy, crs, l, f, kln		0340-1L
		tr	Coal	: dsk brn to blk		0340-2L
		tr	Cont	: prp, cem, dd		0340-3L
2360.00						0341
		100	S/Sst	: w to lt gy to m gy, crs, l, f, kln		0341-1L
		tr	Coal	: dsk brn to blk		0341-2L
		tr	Cont	: prp, cem, dd		0341-3L
2370.00						0342
	0.14	100	S/Sst	: w to lt gy to m gy, crs, l, f, slt, kln		0342-1L
		tr	Cont	: prp		0342-2L
2375.00	swc					0099
		100	S/Sst	: w to lt gy to brn gy to dsk brn, f, l, slt, mic, lam		0099-1L

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
2380.00							0343
	1.38	95	Sltst		: m gy to lt brn gy to brn gy, s, mic		0343-1L
		5	S/Sst		: w to lt gy to m gy, crs, l		0343-2L
		tr	Cont		: prp		0343-3L
2390.00							0344
	1.98	90	Sltst		: m gy to lt brn gy to brn gy, s, mic		0344-1L
		10	S/Sst		: w to lt gy to m gy, crs, l		0344-2L
		tr	Cont		: prp		0344-3L
2400.00 swc							0100
	1.31	100	S/Sst		: w to lt gy to brn gy, f, crs, l, mic		0100-1L
2400.00							0345
		90	S/Sst		: w to lt gy to lt brn gy, crs, l, f, kln		0345-1L
		10	Sltst		: lt gy to lt brn gy to brn gy, s, mic		0345-2L
		tr	Cont		: prp, Mica-ad, dd		0345-3L
2410.00							0346
		60	S/Sst		: w to lt gy to lt brn gy, crs, l, f, kln		0346-1L
	1.75	40	Sltst		: lt gy to lt brn gy to brn gy, s, mic		0346-2L
		tr	Cont		: prp, Mica-ad, dd		0346-3L

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth Int	Depth Cvd	Type	TOC%	%	Grp	Frm	Age	Trb	Sample	Lithology description
2420.00									0347	
				60	S/Sst				0347-1L	: w to lt gy to lt brn gy, crs, l, f, kln
				40	Sltst				0347-2L	: lt gy to lt brn gy to brn gy, s, mic
2429.00		swc							0101	
				100	S/Sst				0101-1L	: w to lt gy to brn gy, f, slt, l, mic
2430.00									0348	
			0.77	70	Sltst				0348-1L	: lt gy to lt brn gy to brn gy, s, mic
				25	S/Sst				0348-2L	: w to lt gy to lt brn gy, f, kln, crs, l
				5	Sh/Clst				0348-3L	: lt gy
				tr	Cont				0348-4L	: prp, dd
2440.00									0349	
				50	Sltst				0349-1L	: lt gy to lt brn gy to brn gy, s, mic
				50	S/Sst				0349-2L	: w to lt gy to m gy, f, kln, crs, l
				tr	Cont				0349-3L	: prp, dd
2450.00		swc							0102	
			1.41	100	S/Sst				0102-1L	: w to lt gy to brn gy, f, slt, l, mic

Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
2450.00							0350
		50	Sltst	:	lt gy to lt brn gy to brn gy, s, mic		0350-1L
		50	S/Sst	:	w to lt gy to m gy, f, kln, crs, l		0350-2L
		tr	Cont	:	prp, dd		0350-3L
2460.00							0351
	1.28	60	Sltst	:	lt gy to lt brn gy to brn gy, s, mic		0351-1L
		40	S/Sst	:	w to lt gy to m gy, f, kln, crs, l		0351-2L
		tr	Cont	:	prp, dd		0351-3L
2470.00							0352
		75	Sltst	:	lt gy to lt brn gy to brn gy, s, mic		0352-1L
		25	S/Sst	:	w to lt gy to m gy, f, kln, crs, l		0352-2L
		tr	Cont	:	prp, dd		0352-3L
2475.00	swc						0103
	1.43	100	Sh/Clst	:	brn gy to dsk brn, mic		0103-1L
2480.00							0353
		95	Sltst	:	lt gy to lt brn gy to brn gy, s, mic		0353-1L
		5	S/Sst	:	w to lt gy to m gy, crs, l		0353-2L
		tr	Cont	:	prp, dd		0353-3L

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
2490.00						0354
		95	Sltst	: lt gy to lt brn gy to brn gy, s, mic		0354-1L
		5	S/Sst	: w to lt gy to m gy, crs, l		0354-2L
		tr	Cont	: prp, dd		0354-3L
2500.00	swc					0104
	1.49	100	Sltst	: w to m gy to brn gy, mic, s		0104-1L
2500.00						0355
		100	Sltst	: lt gy to lt brn gy to brn gy, s, mic		0355-1L
		tr	Sh/Clst	: brn gy to gy brn, hd		0355-2L
		tr	S/Sst	: w to lt gy to lt brn gy, f, kln		0355-3L
		tr	Cont	: prp, dd		0355-4L
2510.00						0356
	0.92	95	Sltst	: lt gy to lt brn gy to brn gy, s, mic		0356-1L
		5	S/Sst	: w to lt gy to lt brn gy, f, kln		0356-2L
		tr	Cont	: prp, dd		0356-3L
2520.00						0357
		85	Sltst	: lt gy to lt brn gy to brn gy, s, mic		0357-1L
		15	S/Sst	: w to lt gy to lt brn gy, f, kln, crs, l		0357-2L
		tr	Cont	: prp, dd		0357-3L

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
2522.00	swc						0105
	4.56	100	Sh/Clst: m gy to lt brn gy, slt, sft				0105-1L
2530.00							0358
		60	S/Sst : w to lt gy to lt brn gy, f, kln, crs, l				0358-1L
		40	Sh/Clst: lt brn gy to brn gy, mic, slt				0358-2L
2540.00							0359
		100	Sh/Clst: lt brn gy to brn gy, mic, slt				0359-1L
		tr	S/Sst : w to lt gy, crs, l				0359-2L
2550.00							0360
		100	Sh/Clst: m gy to lt brn gy to brn gy, slt, mic				0360-1L
2551.50	swc						0106
	1.79	100	Sh/Clst: m gy to lt brn gy, slt, sft				0106-1L
2560.00							0361
		100	Sh/Clst: lt gy to m gy to lt brn gy, slt, mic				0361-1L
		tr	S/Sst : w to lt gy, crs, l				0361-2L
2570.00							0362
		100	Sh/Clst: lt gy to m gy to lt or gy to lt brn gy, slt, mic				0362-1L
		tr	S/Sst : w to lt gy, crs, l				0362-2L
		tr	Cont : prp				0362-3L

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
2579.00	swc						0107
		100	Sltst	:	brn gy to gy brn, cly, mic, sft		0107-1L
2580.00							0363
	1.26	100	Sh/Clst	:	lt gy to m gy to lt ol gy to lt brn gy, slt, mic		0363-1L
		tr	Cont	:	prp		0363-2L
2590.00							0364
		100	Sh/Clst	:	lt gy to m gy to ol gy to lt brn gy, slt, mic		0364-1L
		tr	Sltst	:	lt brn gy to brn gy, mic		0364-2L
		tr	Cont	:	prp		0364-3L
2600.00	swc						0108
	1.65	100	Sltst	:	brn gy to gy brn, cly, mic, sft		0108-1L
2600.00							0365
		75	Sh/Clst	:	lt gy to m gy to ol gy to lt brn gy, slt, mic		0365-1L
		20	Sltst	:	lt brn gy to brn gy, mic		0365-2L
		5	S/Sst	:	w to lt gy, crs, l		0365-3L
2610.00							0366
	1.50	100	Sh/Clst	:	drk gy to brn gy, mic		0366-1L
		tr	S/Sst	:	lt gy, crs, l		0366-2L
		tr	Cont	:	prp		0366-3L

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp	Frm	Age	Trb	Sample	Lithology description
2620.00								0367	
			100	Sh/Clst		ol gy to drk gy to brn gy, mic		0367-1L	
			tr	Cont		prp		0367-2L	
2623.00		swc						0109	
			100	Sltst		brn gy to gy brn, cly, mic, sft		0109-1L	
2628.00		swc						0110	
			100	S/Sst		w, f, crs, mic		0110-1L	
2628.50		swc						0114	
	0.18		100	S/Sst		w to lt gy, crs, l		0114-1L	
2630.00								0368	
			40	S/Sst		lt gy to w, crs, l, f, kln		0368-1L	
			30	Coal		brn blk to blk, wx		0368-2L	
			30	Sh/Clst		ol gy to drk gy to brn gy, mic		0368-3L	
			tr	Cont		prp		0368-4L	
2635.00		swc						0115	
			100	S/Sst		w to lt gy, crs, l		0115-1L	
2640.50		swc						0116	
			100	S/Sst		w to lt gy to drk gy, crs, mic		0116-1L	

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp	Frm	Age	Trb	Lithology description	Sample
2646.00		swc							0117
			100	S/Sst				: w to lt gy to drk gy, crs	0117-1L
2647.50		swc							0118
		32.50	100	Coal				: blk, wx	0118-1L
2650.00									0369
			95	Sh/Clst				: lt gy to lt brn gy to m gy, mic, slt	0369-1L
			5	Coal				: brn blk to blk, wx	0369-2L
2657.00		swc							0119
			100	S/Sst				: w to lt or, crs, f	0119-1L
2670.00		swc							0120
		0.75	100	S/Sst				: w to lt or, crs, f	0120-1L
2670.00									0370
			70	Sh/Clst				: lt brn gy to brn gy to pl y brn, wx	0370-1L
			25	Other				: w	0370-2L
			5	Coal				: blk, wx	0370-3L
			tr	S/Sst				: w to lt gy, crs, l	0370-4L
2681.00		swc							0121
			100	S/Sst				: w to lt or, crs, f	0121-1L

Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
2686.00	swc						0122
	0.73	100	S/Sst	: w to lt or, crs, f			0122-1L
2690.00							0371
		75	S/Sst	: w to lt or to lt gy, crs, l, f, kln			0371-1L
		10	Sh/Clst	: lt brn gy to brn gy to m gy, mic			0371-2L
		10	Ca	: w			0371-3L
		5	Cont	: prp			0371-4L
2691.00	swc						0123
		100	S/Sst	: w to lt or, crs, f			0123-1L
2699.00	swc						0124
	0.49	100	S/Sst	: w to lt or, crs, f			0124-1L
2710.00							0372
		90	S/Sst	: w to lt or to lt gy, crs, l, f, kln			0372-1L
		5	Sh/Clst	: lt brn gy to brn gy to m gy, mic, wx			0372-2L
		5	Ca	: w			0372-3L
		tr	Cont	: prp			0372-4L
2720.00	swc						0125
		100	S/Sst	: w to lt or, crs, f			0125-1L

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
2730.00							0373
		100	S/Sst	:	w to lt or to lt gy, crs, l, f, kln		0373-1L
		tr	Sh/Clst	:	lt brn gy to lt gy, mic, wx		0373-2L
		tr	Ca	:	w		0373-3L
		tr	Coal	:	blk, wx		0373-4L
2737.50	swc						0126
		100	S/Sst	:	w to lt gy, crs		0126-1L
2750.00	swc						0127
		100	S/Sst	:	w to lt gy, crs, f, mic		0127-1L
2750.00							0374
		100	S/Sst	:	w to lt or to lt gy, crs, l, f, kln		0374-1L
		tr	Coal	:	brn blk to blk, wx		0374-2L
		tr	Sh/Clst	:	m gy to brn gy, slt, mic		0374-3L
		tr	Ca	:	w to lt or		0374-4L
2755.00	swc						0128
	1.15	100	Sltst	:	m gy to brn gy, mic, cly		0128-1L
2770.00							0375
		95	S/Sst	:	w to lt or to lt gy, crs, l, f, kln		0375-1L
		5	Sh/Clst	:	m gy to brn gy to lt brn gy to pl brn, slt, mic		0375-2L
		tr	Ca	:	w to lt or		0375-3L
		tr	Cont				0375-4L

Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
2777.50	swc						0129
		100	S/Sst	: w to lt or to gy y, crs			0129-1L
2790.00							0376
		100	S/Sst	: w, crs, l			0376-1L
		tr	Sh/Clst	: m gy to brn gy to pl y brn, wx			0376-2L
		tr	Ca	: w to lt or			0376-3L
		tr	Cont	: prp, dd			0376-4L
2800.00	swc						0130
	0.19	100	S/Sst	: w to lt gy, crs			0130-1L
2810.00							0377
		75	S/Sst	: w to lt gy, crs, l, f, kln			0377-1L
		20	Sh/Clst	: m gy to brn gy to lt brn gy, slt, mic			0377-2L
		5	Ca	: w to lt or			0377-3L
		tr	Cont	: prp, dd			0377-4L
2823.50	swc						0131
	0.49	100	Sh/Clst	: m gy to brn gy, slt, sft			0131-1L
2830.00							0378
	1.23	80	Sh/Clst	: m gy to brn gy to lt brn gy, slt, mic			0378-1L
		20	S/Sst	: w to lt gy, crs, l, f, kln			0378-2L
		tr	Cont	: prp, dd			0378-3L

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp	Frm	Age	Trb	Sample	Lithology description
2850.00								0379	
			80	S/Sst				0379-1L	: w to lt gy, crs, l, f, kln
			10	Sh/Clst				0379-2L	: lt gy to m gy to lt brn gy to brn gy, mic, slt, wx
			10	Ca				0379-3L	: lt or to w, mrl
			tr	Cont				0379-4L	: prp
2853.00	swc							0132	
		0.24	100	S/Sst				0132-1L	: w to lt gy to drk gy, crs, mic, lam
2870.00								0380	
			70	S/Sst				0380-1L	: w to lt gy, crs, l, f, kln
			20	Sh/Clst				0380-2L	: lt gy to m gy to lt brn gy to brn gy, mic, slt, wx
			10	Ca				0380-3L	: lt or to w, mrl, s
			tr	Coal				0380-4L	: blk, wx
			tr	Cont				0380-5L	: prp
2880.00	swc							0133	
			100	S/Sst				0133-1L	: w to lt gy to drk gy, crs, mic, lam
			tr	Coal				0133-2L	: blk
2880.00								0381	
		0.06	80	S/Sst				0381-1L	: w to lt gy, crs, l, f, kln
			15	Sh/Clst				0381-2L	: lt gy to m gy to lt brn gy to brn gy, mic, slt, wx
			5	Ca				0381-3L	: lt or to w, mrl, s
			tr	Cont				0381-4L	: prp, Mica-ad

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp	Frm	Age	Trb	Lithology description	Sample
2890.00									0382
			80	S/Sst				: w to lt gy, crs, l, f, kln	0382-1L
			15	Sh/Clst				: lt gy to m gy to lt brn gy to brn gy, mic, slt	0382-2L
			5	Ca				: lt or to w, mrl, s	0382-3L
			tr	Coal				: brn blk to blk, wx	0382-4L
			tr	Cont				: prp	0382-5L
2900.00									0383
			80	S/Sst				: w to lt gy, crs, l, f, kln	0383-1L
			20	Ca				: lt or to w, mrl, s	0383-2L
			tr	Sh/Clst				: brn gy to lt brn gy, slt	0383-3L
			tr	Cont				: prp, Mica-ad	0383-4L
2903.50	swc								0134
			100	S/Sst				: w to lt gy to drk gy, crs, mic, cly	0134-1L
2910.00									0384
		0.10	95	S/Sst				: w to lt gy, crs, l, f, kln	0384-1L
			5	Ca				: lt or to w, mrl, s	0384-2L
			tr	Sh/Clst				: brn gy to lt brn gy, slt	0384-3L
			tr	Cont				: prp, Mica-ad	0384-4L
2930.00									0385
			95	S/Sst				: lt gy to w, crs, l, f, kln	0385-1L
			5	Sh/Clst				: m gy to lt brn gy, slt, calc	0385-2L
			tr	Ca				: mrl	0385-3L
			tr	Cont				: prp	0385-4L

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
2950.00							0386
		75	S/Sst	:	lt gy to w, crs, l, f, kln		0386-1L
		25	Sh/Clst	:	brn gy to lt brn gy, slt, mic		0386-2L
		tr	Ca	:	mrl		0386-3L
		tr	Cont	:	prp		0386-4L
2952.00	swc						0135
	1.02	100	Sltst	:	m gy to brn gy, s, mic, sft		0135-1L
2970.00							0387
		75	S/Sst	:	lt gy to w, crs, l, f, kln		0387-1L
		25	Sh/Clst	:	brn gy to lt brn gy, slt, mic, wx		0387-2L
2978.00	swc						0136
	1.49	100	Sh/Clst	:	brn gy to lt brn gy		0136-1L
2990.00							0388
		85	S/Sst	:	lt gy to w, crs, f, l		0388-1L
		15	Sh/Clst	:	brn gy to lt brn gy to pl y brn, slt, mic, wx		0388-2L
		tr	Cont	:	prp, Mica-ad		0388-3L
3007.00	swc						0137
		100	S/Sst	:	w to lt gy to lt brn gy, f, slt, calc		0137-1L

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
3010.00							0389
	0.11	85	S/Sst	:	lt gy to w, crs, l, f, kln		0389-1L
		10	Sh/Clst	:	brn gy to lt brn gy to pl y brn, slt, mic, wx		0389-2L
		5	Ca	:	lt or to w, mrl		0389-3L
		tr	Cont	:	Mica-ad, prp		0389-4L
3030.00	swc						0138
		100	S/Sst	:	w, f		0138-1L
		tr	Cont	:	fib		0138-2L
3030.00							0390
		100	S/Sst	:	w to lt gy, f, kln, crs, l		0390-1L
		tr	Sh/Clst	:	brn gy to lt brn gy to pl y brn, slt, mic, wx		0390-2L
		tr	Ca	:	lt or to w		0390-3L
		tr	Coal	:	blk, wx		0390-4L
		tr	Cont	:	dd, prp, Mica-ad		0390-5L
3050.00							0391
		100	S/Sst	:	w to lt gy, f, kln, crs, l		0391-1L
		tr	Sh/Clst	:	brn gy to lt brn gy to pl y brn, slt, mic, wx		0391-2L
		tr	Ca	:	lt or to w		0391-3L
		tr	Coal	:	blk, wx		0391-4L
		tr	Cont	:	dd, prp, Mica-ad		0391-5L
3059.00	swc						0139
	0.49	100	S/Sst	:	w to m gy to drk gy, crs, mic		0139-1L

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
3070.00							0392
		100	S/Sst	: w to lt gy, f, kln, crs, l			0392-1L
		tr	Ca	: lt or to w			0392-2L
		tr	Coal	: blk, wx			0392-3L
		tr	Cont	: dd, prp, Mica-ad			0392-4L
3087.00 swc							0140
		100	S/Sst	: w to m gy to drk gy, crs, cly, mic			0140-1L
3090.00							0393
		100	S/Sst	: w to lt gy, f, kln, crs, l			0393-1L
		tr	Ca	: lt or to w			0393-2L
		tr	Sh/Clst	: lt gy to lt brn gy, mic, pyr			0393-3L
		tr	Cont	: dd, prp, Mica-ad			0393-4L
3093.00 swc							0141
		100	S/Sst	: w to m gy, crs, l			0141-1L
3105.00 swc							0142
	0.18	100	S/Sst	: w, crs, f			0142-1L
3110.00							0394
		95	S/Sst	: w to lt gy, f, kln, crs, l			0394-1L
		5	Coal	: blk, wx			0394-2L
		tr	Ca	: w to lt or			0394-3L
		tr	Cont	: prp, Mica-ad			0394-4L

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Table 2 : Lithology description for well NOCS 35/11-4

Depth unit of measure: m

Depth		Type		Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description				
3127.00								0395
		0.14	85	S/Sst	: w to lt gy, f, kln, crs, l			0395-1L
			10	Sh/Clst	: lt gy to lt brn gy, mic, slt			0395-2L
			5	Coal	: blk, wx			0395-3L
			tr	Ca	: w to lt or			0395-4L
			tr	Cont	: prp			0395-5L

Table 3 : Rock-Eval table for well NOCS 35/11-4

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1013.00	swc	Sh/Clst: drk gy to brn blk	0.31	3.53	1.10	3.21	1.80	196	61	3.8	0.08	425	0050-1L
1070.00	swc	Sh/Clst: m gy to ol gy	0.29	3.04	3.90	0.78	1.61	189	242	3.3	0.09	428	0048-1L
1113.50	swc	Sh/Clst: drk gy to brn blk	0.22	4.79	6.49	0.74	3.01	159	216	5.0	0.04	431	0046-1L
1157.00	swc	Sh/Clst: drk gy to brn blk	0.18	2.38	1.03	2.31	1.79	133	58	2.6	0.07	426	0044-1L
1215.00	swc	Sh/Clst: drk gy	0.05	0.46	0.82	0.56	0.42	110	195	0.5	0.10	416	0042-1L
1260.00	swc	Sh/Clst: drk gy to brn gy	0.05	0.21	3.07	0.07	0.29	72	1059	0.3	0.19	418	0040-1L
1306.00	swc	Sh/Clst: drk gy to brn gy to brn blk	0.11	2.14	0.37	5.78	0.75	285	49	2.3	0.05	422	0038-1L
1340.00	swc	Sh/Clst: m bl brn to dsk y gn	0.03	0.64	0.55	1.16	0.14	457	393	0.7	0.04	578	0037-1L
1390.00	swc	Sh/Clst: m bl brn	0.11	1.63	0.95	1.72	0.30	543	317	1.7	0.06	472	0035-1L
1494.00	swc	Sh/Clst: drk gy to brn blk	0.21	2.50	0.52	4.81	1.22	205	43	2.7	0.08	421	0030-1L
1530.00	swc	Sh/Clst: m bl gy to m gy	0.11	0.38	0.80	0.47	0.35	109	229	0.5	0.22	426	0029-1L
1582.50	swc	Sh/Clst: drk gy to brn blk to m ol gy	0.08	0.52	0.94	0.55	0.41	127	229	0.6	0.13	588	0027-1L
1625.00	swc	Sh/Clst: drk gy to brn blk	0.08	0.57	0.54	1.06	0.86	66	63	0.6	0.12	423	0025-1L
1670.00	swc	Sh/Clst: drk gy to brn blk	0.35	3.63	2.45	1.48	2.95	123	83	4.0	0.09	422	0023-1L

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Table 3 : Rock-Eval table for well NOCS 35/11-4

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1690.00	swc	S/Sst : lt gy to w	0.04	0.07	0.54	0.13	0.51	14	106	0.1	0.36	398	0022-1L
1715.00	swc	Sh/Clst: drk gy to brn blk	0.16	0.80	0.67	1.19	0.81	99	83	1.0	0.17	426	0020-1L
1758.00	swc	Sh/Clst: drk gy to brn blk	0.08	0.56	1.34	0.42	1.36	41	99	0.6	0.13	427	0018-1L
1823.50	swc	Sh/Clst: drk gy to brn blk	0.26	0.52	1.56	0.33	0.54	96	289	0.8	0.33	419	0015-1L
1843.00	swc	Ca : w	0.23	0.67	1.51	0.44	0.63	106	240	0.9	0.26	397	0013-1L
1903.00	swc	Sh/Clst: drk gy to brn blk	0.16	0.75	0.57	1.32	0.67	112	85	0.9	0.18	427	0010-1L
1917.00	swc	Sh/Clst: drk gy to lt brn gy to brn blk	0.16	0.88	4.55	0.19	0.94	94	484	1.0	0.15	421	0009-1L
1943.00	swc	Sh/Clst: drk gy to brn blk	0.60	3.18	3.40	0.94	2.41	132	141	3.8	0.16	420	0008-1L
1957.00	swc	Sh/Clst: drk gy to brn blk	0.22	0.77	1.25	0.62	0.88	88	142	1.0	0.22	430	0007-1L
1968.00	swc	Sh/Clst: drk gy to brn blk	1.00	7.97	0.69	11.55	3.06	260	23	9.0	0.11	417	0006-1L
1977.00	ccp	Sh/Clst: m gy to drk gy	1.51	9.63	0.25	38.52	2.10	459	12	11.1	0.14	413	0143-1L
1978.00	ccp	Sh/Clst: m gy to drk gy	1.01	7.13	0.24	29.71	2.34	305	10	8.1	0.12	412	0144-1L
1979.00	ccp	Sh/Clst: m gy to drk gy	2.08	12.87	0.29	44.38	3.31	389	9	14.9	0.14	414	0145-1L
1980.00	ccp	Sh/Clst: m gy to drk gy	0.90	3.21	0.45	7.13	1.45	221	31	4.1	0.22	421	0146-1L

Table 3 : Rock-Eval table for well NOCS 35/11-4

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1981.10	ccp	S/Sst : w to brn gy to m gy	0.12	0.70	0.29	2.41	0.16	438	181	0.8	0.15	448	0147-1L
1981.42	ccp	S/Sst : w to brn gy to m gy	0.38	0.66	0.97	0.68	0.43	153	226	1.0	0.37	486	0148-1L
1982.00	ccp	S/Sst : w to brn gy to m gy	0.99	2.02	0.37	5.46	0.94	215	39	3.0	0.33	423	0149-1L
1983.00	ccp	S/Sst : w to lt gy to brn gy	0.66	0.83	0.46	1.80	0.43	193	107	1.5	0.44	421	0150-1L
1984.00	ccp	S/Sst : w to lt gy to brn gy	0.24	0.83	0.52	1.60	0.24	346	217	1.1	0.22	569	0151-1L
1985.00	ccp	S/Sst : w to lt gy to m gy	0.46	0.72	0.57	1.26	0.37	195	154	1.2	0.39	424	0152-1L
1986.00	ccp	S/Sst : lt gy to w	0.36	0.90	0.79	1.14	0.38	237	208	1.3	0.29	594	0153-1L
1987.00	ccp	S/Sst : lt gy to w	0.12	0.26	0.69	0.38	0.20	130	345	0.4	0.32	367	0154-1L
1988.00	ccp	S/Sst : w to lt gy to m gy	2.07	6.32	0.37	17.08	2.04	310	18	8.4	0.25	417	0155-1L
1989.00	ccp	S/Sst : lt gy to m gy	0.69	14.07	1.15	12.23	1.54	914	75	14.8	0.05	368	0157-1L
1990.00	swc	S/Sst : lt gy to w	0.63	2.05	0.72	2.85	0.75	273	96	2.7	0.24	418	0004-1L
1991.00	ccp	S/Sst : lt gy to m gy	0.24	0.59	0.72	0.82	0.24	246	300	0.8	0.29	375	0159-1L
1993.00	ccp	S/Sst : w to lt gy to m gy	-	0.01	0.20	0.05	0.55	2	36	-	-	378	0161-1L
1995.00	swc	S/Sst : lt gy to w	0.69	0.30	0.59	0.51	0.27	111	219	1.0	0.70	418	0003-1L
1995.00	ccp	S/Sst : lt gy to w	3.79	5.65	0.87	6.49	0.70	807	124	9.4	0.40	366	0163-1L

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Table 3 : Rock-Eval table for well NOCS 35/11-4

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1997.00	swc	S/Sst : lt gy to m gy	6.28	0.51	0.70	0.73	0.56	91	125	6.8	0.92	403	0111-1L
1999.00	ccp	S/Sst : w to lt gy to m gy	6.27	2.51	0.67	3.75	0.79	318	85	8.8	0.71	365	0167-1L
2002.00	ccp	S/Sst : lt gy to m gy	3.37	2.23	0.72	3.10	0.68	328	106	5.6	0.60	410	0170-1L
2003.00	swc	S/Sst : lt gy	2.71	5.09	0.44	11.57	2.25	226	20	7.8	0.35	414	0002-1L
2004.00	ccp	S/Sst : lt gy to m gy	0.96	2.06	0.75	2.75	0.53	389	142	3.0	0.32	416	0172-1L
2006.75	ccp	S/Sst : lt gy to m gy	0.29	0.50	0.94	0.53	0.17	294	553	0.8	0.37	595	0175-1L
2010.00	ccp	S/Sst : lt gy to m gy	0.35	2.12	0.65	3.26	0.24	883	271	2.5	0.14	569	0177-1L
2011.00	swc	S/Sst : lt gy	0.34	0.59	0.30	1.97	0.23	257	130	0.9	0.37	491	0001-1L
2013.00	ccp	S/Sst : lt gy	1.93	7.81	0.44	17.75	1.65	473	27	9.7	0.20	367	0179-1L
2016.00	ccp	S/Sst : lt gy	0.83	3.76	1.01	3.72	0.47	800	215	4.6	0.18	365	0182-1L
2019.00	ccp	S/Sst : lt gy	0.56	2.33	0.86	2.71	0.42	555	205	2.9	0.19	367	0185-1L
2022.00	ccp	S/Sst : lt gy to m gy	4.19	5.36	0.27	19.85	1.77	303	15	9.6	0.44	410	0188-1L
2024.80	ccp	S/Sst : lt gy to m gy	4.64	7.87	0.18	43.72	3.71	212	5	12.5	0.37	411	0301-1L
2025.00	ccp	S/Sst : lt gy to m gy	4.13	10.15	0.34	29.85	3.26	311	10	14.3	0.29	411	0191-1L
2026.00	ccp	S/Sst : m gy to drk gy	8.86	22.22	0.30	74.07	7.09	313	4	31.1	0.29	410	0192-1L

Table 3 : Rock-Eval table for well NOCS 35/11-4

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
2027.80	ccp	S/Sst : m gy to drk gy	4.48	7.83	0.26	30.12	1.99	393	13	12.3	0.36	411	0194-1L
2031.00	ccp	S/Sst : lt gy to m gy	3.53	8.93	0.38	23.50	2.40	372	16	12.5	0.28	413	0196-1L
2034.00	ccp	S/Sst : lt gy to m gy	5.61	3.17	0.42	7.55	0.67	473	63	8.8	0.64	368	0199-1L
2037.00	ccp	S/Sst : lt gy to m gy to w	5.61	3.42	0.40	8.55	0.73	468	55	9.0	0.62	364	0202-1L
2040.00	ccp	S/Sst : w to lt gy to m gy	7.43	1.81	0.25	7.24	0.78	232	32	9.2	0.80	354	0205-1L
2043.00	ccp	S/Sst : w to lt gy to m gy	4.91	5.08	0.28	18.14	1.47	346	19	10.0	0.49	412	0208-1L
2046.00	ccp	S/Sst : lt gy to m gy	4.01	0.89	0.40	2.22	0.38	234	105	4.9	0.82	412	0211-1L
2049.00	ccp	S/Sst : lt gy to m gy	3.58	1.07	0.55	1.95	0.44	243	125	4.7	0.77	370	0215-1L
2052.00	ccp	S/Sst : lt gy to m gy	4.05	1.76	0.51	3.45	0.45	391	113	5.8	0.70	488	0218-1L
2055.00	ccp	S/Sst : lt gy to m gy	3.72	3.91	0.41	9.54	0.51	767	80	7.6	0.49	365	0221-1L
2058.00	ccp	S/Sst : w to lt gy to m gy	4.07	2.63	1.70	1.55	0.71	370	239	6.7	0.61	361	0225-1L
2060.00	ccp	S/Sst : w to lt gy to m gy	1.30	1.47	0.47	3.13	0.22	668	214	2.8	0.47	515	0227-1L
2062.00	ccp	S/Sst : w to lt gy to m gy	1.08	1.87	0.52	3.60	0.48	390	108	3.0	0.37	358	0228-1L
2064.00	ccp	S/Sst : lt gy to w	0.86	1.74	0.43	4.05	0.34	512	126	2.6	0.33	574	0230-1L
2067.00	ccp	S/Sst : w to lt gy	3.45	6.39	0.43	14.86	2.10	304	20	9.8	0.35	411	0233-1L

Table 3 : Rock-Eval table for well NOCS 35/11-4

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
2070.00	ccp	S/Sst : w to lt gy	3.34	2.41	0.36	6.69	0.49	492	73	5.8	0.58	364	0236-1L
2073.00	ccp	S/Sst : lt gy to m gy	0.29	1.52	0.43	3.53	0.16	950	269	1.8	0.16	520	0239-1L
2076.00	ccp	S/Sst : lt gy to w	0.09	0.03	0.23	0.13	0.10	30	230	0.1	0.75	454	0242-1L
2079.00	ccp	S/Sst : lt gy to w	0.11	1.21	0.43	2.81	0.11	1100	391	1.3	0.08	581	0245-1L
2082.00	ccp	S/Sst : lt gy to w	0.64	1.26	0.58	2.17	0.19	663	305	1.9	0.34	594	0248-1L
2083.80	ccp	S/Sst : lt gy to w	0.09	0.77	0.20	3.85	0.55	140	36	0.9	0.10	595	0250-1L
2098.00	swc	S/Sst : w to lt gy	0.13	0.74	0.34	2.18	0.19	389	179	0.9	0.15	491	0088-1L
2110.00	cut	S/Sst : w to lt gy to m gy	0.01	-	0.21	-	0.09	-	233	-	1.00	-	0316-1L
2126.50	swc	S/Sst : w to lt gy to lt brn gy	0.23	0.58	0.92	0.63	0.54	107	170	0.8	0.28	439	0090-1L
2150.00	cut	Sh/Clst: lt gy to m gy	0.35	1.16	0.57	2.04	1.24	94	46	1.5	0.23	433	0320-1L
2160.00	swc	S/Sst : w to lt gy to brn gy	0.67	2.07	1.48	1.40	1.79	116	83	2.7	0.24	429	0092-1L
2180.00	cut	Sltst : lt gy to m gy to brn gy	0.30	1.30	0.45	2.89	1.36	96	33	1.6	0.19	433	0323-1L
2190.00	cut	Sltst : m gy to brn gy	0.67	1.83	0.78	2.35	2.78	66	28	2.5	0.27	436	0324-1L
2197.00	swc	Sltst : lt brn gy to m gy to brn gy to drk y brn	0.63	1.41	2.54	0.56	1.29	109	197	2.0	0.31	432	0094-1L

Table 3 : Rock-Eval table for well NOCS 35/11-4

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
2210.00	cut	Sltst : m gy to drk gy to brn gy	0.36	1.07	0.91	1.18	0.98	109	93	1.4	0.25	433	0326-1L
2220.00	cut	Sltst : m gy to drk gy to brn gy	0.33	1.03	0.63	1.63	1.82	57	35	1.4	0.24	435	0327-1L
2230.00	cut	Sltst : m gy to drk gy to brn gy	0.53	3.14	0.60	5.23	2.19	143	27	3.7	0.14	432	0328-1L
2245.00	swc	Sltst : m gy to brn gy to drk y brn to w	0.50	1.73	1.63	1.06	1.48	117	110	2.2	0.22	432	0096-1L
2260.00	swc	S/Sst : w to lt gy to lt brn gy	0.28	1.17	2.41	0.49	0.84	139	287	1.4	0.19	436	0112-1L
2270.00	swc	Sltst : m gy to brn gy to dsk brn	0.61	3.25	1.46	2.23	1.79	182	82	3.9	0.16	433	0097-1L
2280.00	cut	Sltst : m gy to drk gy to brn gy	0.44	1.71	0.40	4.28	1.10	155	36	2.2	0.20	435	0333-1L
2286.00	ccp	S/Sst : w to lt gy to m gy	4.19	0.44	0.72	0.61	0.36	122	200	4.6	0.90	401	0252-1L
2289.00	ccp	S/Sst : lt gy to m gy	4.37	0.90	0.56	1.61	0.51	176	110	5.3	0.83	417	0255-1L
2290.50	ccp	S/Sst : lt gy to m gy	1.99	0.33	0.46	0.72	0.29	114	159	2.3	0.86	418	0258-1L
2293.00	ccp	S/Sst : lt gy to lt brn gy	0.95	3.02	0.29	10.41	1.00	302	29	4.0	0.24	430	0261-1L
2296.00	ccp	S/Sst : lt gy to lt brn gy to brn gy	0.63	2.62	0.31	8.45	1.00	262	31	3.3	0.19	428	0264-1L
2299.00	ccp	Sltst : lt gy to lt brn gy to brn gy	0.53	2.29	0.39	5.87	1.10	208	35	2.8	0.19	431	0267-1L

Table 3 : Rock-Eval table for well NOCS 35/11-4

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
2302.00	ccp	Sltst : m gy to lt brn gy to brn gy	0.75	2.80	0.27	10.37	1.14	246	24	3.5	0.21	429	0272-1L
2306.00	ccp	S/Sst : w to lt gy	3.36	1.17	0.50	2.34	0.60	195	83	4.5	0.74	424	0276-1L
2309.00	ccp	Sltst : lt gy to lt brn gy	1.85	6.86	0.61	11.25	2.12	324	29	8.7	0.21	426	0280-1L
2312.00	ccp	S/Sst : lt gy to lt brn gy	1.39	0.80	0.24	3.33	0.33	242	73	2.2	0.63	497	0283-1L
2314.80	ccp	S/Sst : lt gy to m gy	2.71	0.52	0.46	1.13	0.47	111	98	3.2	0.84	426	0302-1L
2315.00	ccp	S/Sst : lt gy to lt brn	2.68	0.84	0.26	3.23	0.32	263	81	3.5	0.76	420	0286-1L
2318.00	ccp	S/Sst : lt gy to lt brn	3.16	0.37	0.42	0.88	0.36	103	117	3.5	0.90	412	0290-1L
2321.00	ccp	S/Sst : lt gy to lt brn	5.22	0.85	0.24	3.54	0.55	155	44	6.1	0.86	359	0293-1L
2324.00	ccp	S/Sst : lt brn to lt gy	0.37	0.93	0.46	2.02	0.37	251	124	1.3	0.28	493	0296-1L
2326.00	ccp	Sh/Clst: brn gy to lt brn gy	2.01	12.52	0.19	65.89	3.10	404	6	14.5	0.14	424	0299-1L
2350.00	swc	S/Sst : w to lt gy	0.06	1.26	0.60	2.10	0.14	900	429	1.3	0.05	457	0098-1L
2370.00	cut	S/Sst : w to lt gy to m gy	0.21	0.05	0.14	0.36	0.14	36	100	0.3	0.81	420	0342-1L
2380.00	cut	Sltst : m gy to lt brn gy to brn gy	0.50	4.15	0.36	11.53	1.38	301	26	4.7	0.11	430	0343-1L
2390.00	cut	Sltst : m gy to lt brn gy to brn gy	0.58	6.74	0.52	12.96	1.98	340	26	7.3	0.08	429	0344-1L

Table 3 : Rock-Eval table for well NOCS 35/11-4

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
2400.00	swc	S/Sst : w to lt gy to brn gy	0.41	2.94	2.36	1.25	1.31	224	180	3.4	0.12	431	0100-1L
2410.00	cut	Sltst : lt gy to lt brn gy to brn gy	0.47	5.30	0.69	7.68	1.75	303	39	5.8	0.08	427	0346-2L
2430.00	cut	Sltst : lt gy to lt brn gy to brn gy	0.16	1.25	0.41	3.05	0.77	162	53	1.4	0.11	433	0348-1L
2450.00	swc	S/Sst : w to lt gy to brn gy	0.43	2.54	2.46	1.03	1.41	180	174	3.0	0.14	433	0102-1L
2460.00	cut	Sltst : lt gy to lt brn gy to brn gy	0.22	2.39	0.57	4.19	1.28	187	45	2.6	0.08	434	0351-1L
2475.00	swc	Sh/Clst: brn gy to dsk brn	0.45	3.19	2.04	1.56	1.43	223	143	3.6	0.12	432	0103-1L
2500.00	swc	Sltst : w to m gy to brn gy	1.08	3.74	3.22	1.16	1.49	251	216	4.8	0.22	429	0104-1L
2510.00	cut	Sltst : lt gy to lt brn gy to brn gy	0.22	2.26	0.66	3.42	0.92	246	72	2.5	0.09	436	0356-1L
2522.00	swc	Sh/Clst: m gy to lt brn gy	1.55	23.27	0.67	34.73	4.56	510	15	24.8	0.06	428	0105-1L
2551.50	swc	Sh/Clst: m gy to lt brn gy	1.52	6.14	2.51	2.45	1.79	343	140	7.7	0.20	430	0106-1L
2580.00	cut	Sh/Clst: lt gy to m gy to lt ol gy to lt brn gy	0.24	3.40	0.66	5.15	1.26	270	52	3.6	0.07	433	0363-1L
2600.00	swc	Sltst : brn gy to gy brn	0.43	4.80	0.54	8.89	1.65	291	33	5.2	0.08	432	0108-1L

Table 3 : Rock-Eval table for well NOCS 35/11-4

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
2610.00	cut	Sh/Clst: drk gy to brn gy	0.28	3.50	0.80	4.38	1.50	233	53	3.8	0.07	437	0366-1L
2628.50	swc	S/Sst : w to lt gy	0.40	0.30	0.48	0.63	0.18	167	267	0.7	0.57	500	0114-1L
2647.50	swc	Coal : blk	7.16	51.88	3.39	15.30	32.50	160	10	59.0	0.12	439	0118-1L
2670.00	swc	S/Sst : w to lt or	5.83	0.54	0.43	1.26	0.75	72	57	6.4	0.92	426	0120-1L
2686.00	swc	S/Sst : w to lt or	6.98	0.27	0.82	0.33	0.73	37	112	7.3	0.96	389	0122-1L
2699.00	swc	S/Sst : w to lt or	2.67	0.67	1.67	0.40	0.49	137	341	3.3	0.80	414	0124-1L
2755.00	swc	Sltst : m gy to brn gy	0.37	1.99	0.61	3.26	1.15	173	53	2.4	0.16	481	0128-1L
2800.00	swc	S/Sst : w to lt gy	0.06	0.45	0.24	1.88	0.19	237	126	0.5	0.12	588	0130-1L
2823.50	swc	Sh/Clst: m gy to brn gy	0.22	0.88	0.60	1.47	0.49	180	122	1.1	0.20	439	0131-1L
2830.00	cut	Sh/Clst: m gy to brn gy to lt brn gy	0.40	3.40	0.35	9.71	1.23	276	28	3.8	0.11	436	0378-1L
2853.00	swc	S/Sst : w to lt gy to drk gy	0.12	0.60	0.52	1.15	0.24	250	217	0.7	0.17	530	0132-1L
2880.00	cut	S/Sst : w to lt gy	0.02	0.01	0.10	0.10	0.06	17	167	-	0.67	436	0381-1L
2910.00	cut	S/Sst : w to lt gy	0.03	0.03	0.14	0.21	0.10	30	140	0.1	0.50	435	0384-1L
2952.00	swc	Sltst : m gy to brn gy	0.31	1.82	0.53	3.43	1.02	178	52	2.1	0.15	440	0135-1L

Table 3 : Rock-Eval table for well NOCS 35/11-4

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
2978.00	swc	Sh/Clst: brn gy to lt brn gy	0.37	3.81	1.32	2.89	1.49	256	89	4.2	0.09	439	0136-1L
3010.00	cut	S/Sst : lt gy to w	0.04	0.06	0.12	0.50	0.11	55	109	0.1	0.40	433	0389-1L
3059.00	swc	S/Sst : w to m gy to drk gy	0.21	0.81	0.44	1.84	0.49	165	90	1.0	0.21	435	0139-1L
3105.00	swc	S/Sst : w	0.21	1.73	0.62	2.79	0.18	961	344	1.9	0.11	590	0142-1L
3127.00	cut	S/Sst : w to lt gy	0.06	0.16	0.01	16.00	0.14	114	7	0.2	0.27	434	0395-1L

Table 4 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 35/11-4

Depth unit of measure: m

Depth	Typ	Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
1070.00	swc	Sh/Clst: m gy to ol gy	7.65	29.59	51.38	11.38	3.04	0048-1L
1494.00	swc	Sh/Clst: drk gy to brn blk	5.11	23.99	55.06	15.84	2.50	0030-1L
1670.00	swc	Sh/Clst: drk gy to brn blk	6.13	21.35	51.43	21.09	3.63	0023-1L
1943.00	swc	Sh/Clst: drk gy to brn blk	6.03	22.31	46.75	24.92	3.18	0008-1L
1968.00	swc	Sh/Clst: drk gy to brn blk	3.24	12.60	32.02	52.04	7.97	0006-1L
1977.00	ccp	Sh/Clst: m gy to drk gy	5.46	17.37	35.06	42.10	9.63	0143-1L
1979.00	ccp	Sh/Clst: m gy to drk gy	5.46	17.37	35.06	42.10	12.87	0145-1L
1982.00	ccp	S/Sst : w to brn gy to m gy	3.13	12.07	42.13	42.67	2.02	0149-1L
1986.00	ccp	S/Sst : lt gy to w	4.56	11.87	27.96	55.60	0.90	0153-1L
1988.00	ccp	S/Sst : w to lt gy to m gy	1.60	9.93	39.93	48.54	6.32	0155-1L
1991.00	ccp	S/Sst : lt gy to m gy	1.69	8.16	29.46	60.69	0.59	0159-1L
1995.00	ccp	S/Sst : lt gy to w	3.86	24.89	47.89	23.57	5.65	0163-1L
1999.00	ccp	S/Sst : w to lt gy to m gy	5.33	12.96	27.47	54.24	2.51	0167-1L
2004.00	ccp	S/Sst : lt gy to m gy	9.95	25.63	42.77	21.64	2.06	0172-1L

Table 4 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 35/11-4

Depth unit of measure: m

Depth	Typ	Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
2010.00	ccp	S/Sst : lt gy to m gy	4.43	19.86	48.94	26.70	2.12	0177-1L
2013.00	ccp	S/Sst : lt gy	7.59	21.34	39.65	31.42	7.81	0179-1L
2019.00	ccp	S/Sst : lt gy	3.69	17.45	45.16	33.69	2.33	0185-1L
2024.80	ccp	S/Sst : lt gy to m gy	7.94	10.05	36.03	45.98	7.87	0301-1L
2027.80	ccp	S/Sst : m gy to drk gy	8.32	20.72	35.84	35.12	7.83	0194-1L
2034.00	ccp	S/Sst : lt gy to m gy	3.70	21.93	44.40	29.96	3.17	0199-1L
2040.00	ccp	S/Sst : w to lt gy to m gy	3.16	20.98	45.23	30.63	1.81	0205-1L
2046.00	ccp	S/Sst : lt gy to m gy	9.85	24.90	50.69	14.56	0.89	0211-1L
2052.00	ccp	S/Sst : lt gy to m gy	3.19	22.19	40.34	34.28	1.76	0218-1L
2067.00	ccp	S/Sst : w to lt gy	6.00	14.84	31.18	47.98	6.39	0233-1L
2073.00	ccp	S/Sst : lt gy to m gy	4.47	10.50	43.00	42.03	1.52	0239-1L
2082.00	ccp	S/Sst : lt gy to w	3.58	9.58	41.33	45.50	1.26	0248-1L
2230.00	cut	Sltst : m gy to drk gy to brn gy	6.17	16.62	34.45	42.76	3.14	0328-1L
2289.00	ccp	S/Sst : lt gy to m gy	7.81	31.20	50.29	10.70	0.90	0255-1L

Table 4 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 35/11-4

Depth unit of measure: m

Depth	Typ	Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
2299.00	ccp	Sltst : lt gy to lt brn gy to brn gy	7.88	22.00	40.12	30.00	2.29	0267-1L
2306.00	ccp	S/Sst : w to lt gy	5.29	18.80	36.67	39.23	1.17	0276-1L
2314.80	ccp	S/Sst : lt gy to m gy	9.82	29.24	50.00	10.93	0.52	0302-1L
2326.00	ccp	Sh/Clst: brn gy to lt brn gy	5.22	13.73	27.13	53.91	12.52	0299-1L
2380.00	cut	Sltst : m gy to lt brn gy to brn gy	6.06	14.71	27.51	51.71	4.15	0343-1L
2400.00	swc	S/Sst : w to lt gy to brn gy	7.19	17.97	32.82	42.01	2.94	0100-1L
2410.00	cut	Sltst : lt gy to lt brn gy to brn gy	6.56	16.43	29.06	47.95	5.30	0346-2L
2475.00	swc	Sh/Clst: brn gy to dsk brn	5.61	16.48	34.28	43.63	3.19	0103-1L
2551.50	swc	Sh/Clst: m gy to lt brn gy	6.29	26.17	48.01	19.53	6.14	0106-1L
2699.00	swc	S/Sst : w to lt or	11.24	30.79	37.19	20.77	0.67	0124-1L
2978.00	swc	Sh/Clst: brn gy to lt brn gy	6.76	18.71	38.83	35.70	3.81	0136-1L
3059.00	swc	S/Sst : w to m gy to drk gy	13.56	29.58	42.39	14.47	0.81	0139-1L

Table 5 a: Weight of EOM and Chromatographic Fraction for well NOCS 35/11-4

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
1979.00	ccp	Sh/Clst: m gy to drk gy	9.7	23.7	2.2	11.0	3.7	6.8	13.2	10.5	3.53	0145-1L
1982.00	ccp	S/Sst : w to brn gy to m gy	5.8	11.0	4.0	3.1	1.9	2.0	7.1	3.9	1.19	0149-1L
1988.90	ccp	S/Sst : lt gy to m gy	9.7	9.0	3.6	1.7	1.1	2.6	5.3	3.7	0.16	0156-1L
1999.00	ccp	S/Sst : w to lt gy to m gy	2.0	11.6	2.3	4.9	1.3	3.1	7.2	4.4	0.95	0167-1L
2000.00	oil	bulk	-	73.4	51.5	17.9	0.4	3.6	69.4	4.0	-	0396-0B
2015.00	ccp	S/Sst : lt gy	8.9	39.6	24.7	8.3	2.7	3.9	33.0	6.6	0.65	0181-1L
2024.80	ccp	S/Sst : lt gy to m gy	9.5	50.8	17.5	15.9	12.1	5.3	33.4	17.4	4.28	0301-1L
2038.00	oil	bulk	-	78.5	53.6	20.1	0.4	4.4	73.7	4.8	-	0397-0B
2039.10	ccp	S/Sst : lt gy to m gy to w	3.3	44.7	30.5	9.0	2.1	3.1	39.5	5.2	1.10	0204-1L
2052.00	ccp	S/Sst : lt gy to m gy	4.5	22.2	12.5	5.1	1.1	3.5	17.6	4.6	0.55	0218-1L
2066.00	ccp	S/Sst : w to lt gy to lt brn	3.2	8.4	3.5	2.1	1.3	1.5	5.6	2.8	0.30	0232-1L
2289.00	ccp	S/Sst : lt gy to m gy	5.1	41.6	28.8	7.8	2.0	3.0	36.6	5.0	0.64	0255-1L
2290.00	oil	bulk	-	79.6	54.6	19.8	0.5	4.7	74.4	5.2	-	0398-0B
2306.00	ccp	S/Sst : w to lt gy	1.8	11.4	6.6	2.4	0.9	1.5	9.0	2.4	0.72	0276-1L

Table 5 a: Weight of EOM and Chromatographic Fraction for well NOCS 35/11-4

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
2321.00	ccp	S/Sst : lt gy to lt brn	9.4	98.2	70.5	15.1	6.8	5.8	85.6	12.6	0.64	0293-1L
2410.00	com	Composite sample - see table 5 e	9.4	8.4	0.8	2.8	3.5	1.3	3.6	4.8	2.04	0401-0B
2510.00	com	Composite sample - see table 5 e	9.6	3.4	0.2	0.7	1.2	1.3	0.9	2.5	0.93	0402-0B
2634.50	oil	bulk	-	95.8	73.8	13.3	0.6	8.1	87.1	8.7	-	0399-0B
2670.00	swc	S/Sst : w to lt or	4.0	26.2	18.9	6.2	0.1	1.0	25.1	1.1	0.62	0120-1L
2678.00	oil	bulk	-	75.1	54.9	16.2	0.4	3.6	71.1	4.0	-	0400-0B
2699.00	swc	S/Sst : w to lt or	3.6	13.4	8.3	2.4	0.9	1.8	10.7	2.7	0.34	0124-1L

Table 5 b: Concentration of EOM and Chromatographic Fraction (wt ppm rock) for well NOCS 35/11-4

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
1979.00	ccp	Sh/Clst: m gy to drk gy	2453	227	1138	383	703	1366	1086	0145-1L
1982.00	ccp	S/Sst : w to brn gy to m gy	1896	689	534	327	344	1224	672	0149-1L
1988.90	ccp	S/Sst : lt gy to m gy	931	372	175	113	269	548	383	0156-1L
1999.00	ccp	S/Sst : w to lt gy to m gy	5858	1161	2474	656	1565	3636	2222	0167-1L
2000.00	oil	bulk	-	-	-	-	-	-	-	0396-0B
2015.00	ccp	S/Sst : lt gy	4449	2775	932	303	438	3707	741	0181-1L
2024.80	ccp	S/Sst : lt gy to m gy	5330	1836	1668	1269	556	3504	1825	0301-1L
2038.00	oil	bulk	-	-	-	-	-	-	-	0397-0B
2039.10	ccp	S/Sst : lt gy to m gy to w	13423	9159	2702	630	930	11861	1561	0204-1L
2052.00	ccp	S/Sst : lt gy to m gy	4966	2796	1140	246	782	3937	1029	0218-1L
2066.00	ccp	S/Sst : w to lt gy to lt brn	2649	1104	662	410	473	1766	883	0232-1L
2289.00	ccp	S/Sst : lt gy to m gy	8093	5603	1517	389	583	7120	972	0255-1L
2290.00	oil	bulk	-	-	-	-	-	-	-	0398-0B
2306.00	ccp	S/Sst : w to lt gy	6514	3771	1371	514	857	5142	1371	0276-1L

Table 5 b: Concentration of EOM and Chromatographic Fraction (wt ppm rock) for well NOCS 35/11-4

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
2321.00	ccp	S/Sst : lt gy to lt brn	10446	7500	1606	723	617	9106	1340	0293-1L
2410.00	com	Composite sample - see table 5 e	897	85	299	373	138	384	512	0401-0B
2510.00	com	Composite sample - see table 5 e	355	20	73	125	135	94	261	0402-0B
2634.50	oil	bulk	-	-	-	-	-	-	-	0399-0B
2670.00	swc	S/Sst : w to lt or	6501	4689	1538	24	248	6228	272	0120-1L
2678.00	oil	bulk	-	-	-	-	-	-	-	0400-0B
2699.00	swc	S/Sst : w to lt or	3691	2286	661	247	495	2947	743	0124-1L

Table 5 c: Concentration of EOM and Chromatographic Fraction (mg/g TOC(e)) for well NOCS 35/11-4

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
1979.00	ccp	Sh/Clst: m gy to drk gy	69.50	6.45	32.26	10.85	19.94	38.71	30.79	0145-1L
1982.00	ccp	S/Sst : w to brn gy to m gy	159.37	57.95	44.91	27.53	28.98	102.87	56.51	0149-1L
1988.90	ccp	S/Sst : lt gy to m gy	582.30	232.92	109.99	71.17	168.22	342.91	239.39	0156-1L
1999.00	ccp	S/Sst : w to lt gy to m gy	616.69	122.28	260.50	69.11	164.81	382.78	233.92	0167-1L
2000.00	oil	bulk	-	-	-	-	-	-	-	0396-0B
2015.00	ccp	S/Sst : lt gy	684.53	426.97	143.47	46.67	67.42	570.44	114.09	0181-1L
2024.80	ccp	S/Sst : lt gy to m gy	124.55	42.90	38.98	29.67	12.99	81.89	42.66	0301-1L
2038.00	oil	bulk	-	-	-	-	-	-	-	0397-0B
2039.10	ccp	S/Sst : lt gy to m gy to w	1220.31	832.65	245.70	57.33	84.63	1078.35	141.96	0204-1L
2052.00	ccp	S/Sst : lt gy to m gy	902.99	508.44	207.44	44.74	142.36	715.88	187.11	0218-1L
2066.00	ccp	S/Sst : w to lt gy to lt brn	883.28	368.03	220.82	136.70	157.73	588.85	294.43	0232-1L
2289.00	ccp	S/Sst : lt gy to m gy	1264.59	875.49	237.11	60.80	91.20	1112.60	151.99	0255-1L
2290.00	oil	bulk	-	-	-	-	-	-	-	0398-0B
2306.00	ccp	S/Sst : w to lt gy	904.76	523.81	190.48	71.43	119.05	714.29	190.48	0276-1L

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Table 5 c: Concentration of EOM and Chromatographic Fraction (mg/g TOC(e)) for well NOCS 35/11-4

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
2321.00	ccp	S/Sst : lt gy to lt brn	1632.31	1171.88	251.00	113.03	96.41	1422.87	209.44	0293-1L
2410.00	com	Composite sample - see table 5 e	43.99	4.19	14.66	18.33	6.81	18.85	25.14	0401-0B
2510.00	com	Composite sample - see table 5 e	38.24	2.25	7.87	13.50	14.62	10.12	28.12	0402-0B
2634.50	oil	bulk	-	-	-	-	-	-	-	0399-0B
2670.00	swc	S/Sst : w to lt or	1048.59	756.42	248.14	4.00	40.02	1004.56	44.02	0120-1L
2678.00	oil	bulk	-	-	-	-	-	-	-	0400-0B
2699.00	swc	S/Sst : w to lt or	1085.72	672.50	194.46	72.92	145.84	866.96	218.77	0124-1L

Table 5 d: Composition of material extracted from the rock (%) for well NOCS 35/11-4

Depth unit of measure: m

Depth	Typ	Lithology	Sat / EOM	Aro / EOM	Asph / EOM	NSO / EOM	HC / EOM	Non-HC / EOM	Sat / Aro	HC / Non-HC	Sample
1979.00	ccp	Sh/Clst: m gy to drk gy	9.28	46.41	15.61	28.69	55.70	44.30	20.00	125.71	0145-1L
1982.00	ccp	S/Sst : w to brn gy to m gy	36.36	28.18	17.27	18.18	64.55	35.45	129.03	182.05	0149-1L
1988.90	ccp	S/Sst : lt gy to m gy	40.00	18.89	12.22	28.89	58.89	41.11	211.76	143.24	0156-1L
1999.00	ccp	S/Sst : w to lt gy to m gy	19.83	42.24	11.21	26.72	62.07	37.93	46.94	163.64	0167-1L
2000.00	oil	bulk	70.16	24.39	0.54	4.90	94.55	5.45	287.71	1735.00	0396-0B
2015.00	ccp	S/Sst : lt gy	62.37	20.96	6.82	9.85	83.33	16.67	297.59	500.00	0181-1L
2024.80	ccp	S/Sst : lt gy to m gy	34.45	31.30	23.82	10.43	65.75	34.25	110.06	191.95	0301-1L
2038.00	oil	bulk	68.28	25.61	0.51	5.61	93.89	6.11	266.67	1535.42	0397-0B
2039.10	ccp	S/Sst : lt gy to m gy to w	68.23	20.13	4.70	6.94	88.37	11.63	338.89	759.62	0204-1L
2052.00	ccp	S/Sst : lt gy to m gy	56.31	22.97	4.95	15.77	79.28	20.72	245.10	382.61	0218-1L
2066.00	ccp	S/Sst : w to lt gy to lt brn	41.67	25.00	15.48	17.86	66.67	33.33	166.67	200.00	0232-1L
2289.00	ccp	S/Sst : lt gy to m gy	69.23	18.75	4.81	7.21	87.98	12.02	369.23	732.00	0255-1L
2290.00	oil	bulk	68.59	24.87	0.63	5.90	93.47	6.53	275.76	1430.77	0398-0B
2306.00	ccp	S/Sst : w to lt gy	57.89	21.05	7.89	13.16	78.95	21.05	275.00	375.00	0276-1L

Table 5 d: Composition of material extracted from the rock (%) for well NOCS 35/11-4

Depth unit of measure: m

Depth	Typ	Lithology	Sat / EOM	Aro / EOM	Asph / EOM	NSO / EOM	HC / EOM	Non-HC / EOM	Sat / Aro	HC / Non-HC	Sample
2321.00	ccp	S/Sst : lt gy to lt brn	71.79	15.38	6.92	5.91	87.17	12.83	466.89	679.37	0293-1L
2410.00	com	Composite sample - see table 5 e	9.52	33.33	41.67	15.48	42.86	57.14	28.57	75.00	0401-0B
2510.00	com	Composite sample - see table 5 e	5.88	20.59	35.29	38.24	26.47	73.53	28.57	36.00	0402-0B
2634.50	oil	bulk	77.04	13.88	0.63	8.46	90.92	9.08	554.89	1001.15	0399-0B
2670.00	swc	S/Sst : w to lt or	72.14	23.66	0.38	3.82	95.80	4.20	304.84	2281.82	0120-1L
2678.00	oil	bulk	73.10	21.57	0.53	4.79	94.67	5.33	338.89	1777.50	0400-0B
2699.00	swc	S/Sst : w to lt or	61.94	17.91	6.72	13.43	79.85	20.15	345.83	396.30	0124-1L

Table 5 e: List of composite samples appearing in the extraction tables for well NOCS 35/11-4

Depth unit of measure: m

NOTE: Depths shown in tables 5 a to d correspond to the composite samples' lower depth.

Upper depth	Lower depth	Typ	Sample	Depth	Typ	Lithology	Sample
2380.00	2410.00	com	0401-0B is composed of:	2380.00	cut	Sltst : m gy to lt brn gy to brn gy, s, mic	0343-1L
				2390.00	cut	Sltst : m gy to lt brn gy to brn gy, s, mic	0344-1L
				2410.00	cut	Sltst : lt gy to lt brn gy to brn gy, s, mic	0346-2L
2430.00	2510.00	com	0402-0B is composed of:	2430.00	cut	Sltst : lt gy to lt brn gy to brn gy, s, mic	0348-1L
				2460.00	cut	Sltst : lt gy to lt brn gy to brn gy, s, mic	0351-1L
				2510.00	cut	Sltst : lt gy to lt brn gy to brn gy, s, mic	0356-1L

Table 6 : Saturated Hydrocarbon Ratios for well NOCS 35/11-4

Depth unit of measure: m

Depth	Typ	Lithology	Pristane / nC17	Pristane / Phytane	Pristane + Phytane / nC17 + nC18	Phytane / nC18	CPI	Sample
1979.00	ccp	Sh/Clst: m gy to drk gy	1.00	1.44	0.93	0.83	1.47	0145-1L
1982.00	ccp	S/Sst : w to brn gy to m gy	0.48	1.75	0.38	0.28	1.05	0149-1L
1988.90	ccp	S/Sst : lt gy to m gy	0.60	1.20	0.44	0.33	1.04	0156-1L
1999.00	ccp	S/Sst : w to lt gy to m gy	0.76	1.37	0.57	0.43	1.01	0167-1L
2000.00	oil	bulk	0.53	1.92	0.42	0.30	1.08	0396-0B
2015.00	ccp	S/Sst : lt gy	0.67	1.30	0.52	0.40	1.08	0181-1L
2024.80	ccp	S/Sst : lt gy to m gy	0.43	1.78	0.35	0.26	1.07	0301-1L
2038.00	oil	bulk	0.52	1.93	0.42	0.31	1.07	0397-0B
2039.10	ccp	S/Sst : lt gy to m gy to w	0.69	1.50	0.54	0.41	1.06	0204-1L
2052.00	ccp	S/Sst : lt gy to m gy	0.82	1.41	0.64	0.49	1.06	0218-1L
2066.00	ccp	S/Sst : w to lt gy to lt brn	0.54	1.31	0.40	0.30	1.04	0232-1L
2289.00	ccp	S/Sst : lt gy to m gy	0.55	1.52	0.42	0.31	1.06	0255-1L
2290.00	oil	bulk	0.54	1.94	0.44	0.32	1.07	0398-0B
2306.00	ccp	S/Sst : w to lt gy	0.52	1.27	0.39	0.30	1.08	0276-1L

Table 6 : Saturated Hydrocarbon Ratios for well NOCS 35/11-4

Depth unit of measure: m

Depth	Typ	Lithology	Pristane nC17	Pristane Phytane	Pristane + Phytane nC17 + nC18	Phytane nC18	CPI	Sample
2321.00	ccp	S/Sst : lt gy to lt brn	0.63	1.56	0.49	0.36	1.09	0293-1L
2410.00	com	bulk	1.41	3.94	1.12	0.62	1.20	0401-0B
2510.00	com	bulk	-	-	-	-	-	0402-0B
2634.50	oil	bulk	0.76	2.41	0.59	0.39	1.13	0399-0B
2670.00	swc	S/Sst : w to lt or	0.71	2.07	0.56	0.39	1.10	0120-1L
2678.00	oil	bulk	0.64	2.17	0.50	0.33	1.10	0400-0B
2699.00	swc	S/Sst : w to lt or	0.54	1.95	0.42	0.30	1.10	0124-1L

Table 7 : Aromatic Hydrocarbon Ratios for well NOCS 35/11-4

Depth unit of measure: m

Depth	Typ	Lithology	MNR	DMNR	BPhR	2/1MP	MPI1	MPI2	Rc	DBT/P	4/1MDBT	(3+2) /1MDBT	Sample
1979.00	ccp	Sh/Clst: m gy to drk gy	1.34	2.39	0.41	0.99	0.69	0.75	0.81	0.17	12.04	1.86	0145-1L
1982.00	ccp	S/Sst : w to brn gy to m gy	5.54	2.42	0.28	0.97	0.68	0.76	0.81	0.15	16.49	2.21	0149-1L
1988.90	ccp	S/Sst : lt gy to m gy	-	-	-	0.85	0.80	0.84	0.88	-	-	-	0156-1L
1999.00	ccp	S/Sst : w to lt gy to m gy	-	-	-	0.78	0.68	0.76	0.81	-	-	-	0167-1L
2000.00	oil	bulk	1.51	2.72	0.40	0.99	0.78	0.82	0.87	-	-	-	0396-0B
2015.00	ccp	S/Sst : lt gy	0.70	1.53	0.15	0.94	0.85	0.89	0.91	-	-	-	0181-1L
2024.80	ccp	S/Sst : lt gy to m gy	1.30	2.62	0.41	0.96	0.68	0.76	0.81	0.15	16.30	2.54	0301-1L
2038.00	oil	bulk	1.54	2.53	0.38	0.96	0.78	0.81	0.87	-	-	-	0397-0B
2039.10	ccp	S/Sst : lt gy to m gy to w	-	-	-	0.83	0.68	0.75	0.81	-	-	-	0204-1L
2052.00	ccp	S/Sst : lt gy to m gy	-	-	-	1.01	0.86	0.92	0.92	-	-	-	0218-1L
2066.00	ccp	S/Sst : w to lt gy to lt brn	-	-	-	1.03	1.20	0.93	1.12	-	-	-	0232-1L
2289.00	ccp	S/Sst : lt gy to m gy	-	0.82	-	0.98	0.90	0.93	0.94	-	-	-	0255-1L
2290.00	oil	bulk	1.55	2.66	0.42	1.07	0.81	0.86	0.89	-	-	-	0398-0B
2306.00	ccp	S/Sst : w to lt gy	-	0.79	-	1.00	0.78	0.86	0.87	-	-	-	0276-1L
2321.00	ccp	S/Sst : lt gy to lt brn	-	0.90	-	0.99	0.88	0.96	0.93	-	-	-	0293-1L

Table 7 : Aromatic Hydrocarbon Ratios for well NOCS 35/11-4

Depth unit of measure: m

Depth	Typ	Lithology	MNR	DMNR	BPhR	2/1MP	MPI1	MPI2	Rc	DBT/P	4/1MDBT	(3+2) /1MDBT	Sample
2410.00	com	bulk	1.08	1.32	1.08	1.02	0.50	0.58	0.70	0.24	2.28	1.49	0401-0B
2510.00	com	bulk	-	-	-	0.93	0.57	0.59	0.74	-	1.42	1.06	0402-0B
2634.50	oil	bulk	1.68	2.00	0.25	-	-	-	-	-	-	-	0399-0B
2670.00	swc	S/Sst : w to lt or	1.39	2.21	0.19	0.97	0.85	0.88	0.91	0.40	2.82	1.23	0120-1L
2678.00	oil	bulk	1.62	2.69	0.22	1.00	0.85	0.87	0.91	-	-	-	0400-0B
2699.00	swc	S/Sst : w to lt or	-	1.31	-	1.17	0.87	0.99	0.92	-	-	-	0124-1L

Table 8 : Thermal Maturity Data for well NOCS 35/11-4

Depth unit of measure: m

Depth	Typ	Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	Tmax (°C)	Sample
1013.00	swc	bulk	NDP	-	-	-	-	-	0050-0B
1013.00	swc	Sh/Clst: drk gy to brn blk	-	-	-	-	4.0	425	0050-1L
1113.50	swc	bulk	0.26	8	0.03	-	-	-	0046-0B
1113.50	swc	Sh/Clst: drk gy to brn blk	-	-	-	-	4.0	431	0046-1L
1215.00	swc	bulk	NDP	-	-	-	-	-	0042-0B
1306.00	swc	bulk	NDP	-	-	-	-	-	0038-0B
1390.00	swc	bulk	NDP	-	-	-	-	-	0035-0B
1494.00	swc	Sh/Clst: drk gy to brn blk	-	-	-	-	4.0-4.5	421	0030-1L
1530.00	swc	bulk	NDP	-	-	-	-	-	0029-0B
1625.00	swc	bulk	0.24	5	0.02	-	-	-	0025-0B
1670.00	swc	bulk	-	-	-	-	4.5	-	0023-0B
1715.00	swc	bulk	0.28	8	0.03	-	-	-	0020-0B
1823.50	swc	bulk	0.69	6	0.06	-	-	-	0015-0B
1917.00	swc	bulk	NDP	-	-	-	-	-	0009-0B

Table 8 : Thermal Maturity Data for well NOCS 35/11-4

Depth unit of measure: m

Depth	Typ	Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	Tmax (°C)	Sample
1943.00	swc	Sh/Clst: drk gy to brn blk	-	-	-	-	4.5-5.0	420	0008-1L
1968.00	swc	bulk	0.41	5	0.04	-	-	-	0006-0B
1968.00	swc	Sh/Clst: drk gy to brn blk	-	-	-	-	4.5-5.0	417	0006-1L
1977.00	ccp	Sh/Clst: m gy to drk gy	-	-	-	-	4.5-5.0	413	0143-1L
1979.00	ccp	bulk	0.51	6	0.05	-	-	-	0145-0B
1979.00	ccp	Sh/Clst: m gy to drk gy	-	-	-	-	5.0	414	0145-1L
2030.00	ccp	bulk	0.29	19	0.04	-	-	-	0195-0B
2197.00	swc	bulk	0.31	9	0.04	-	-	-	0094-0B
2197.00	swc	Sltst : lt brn gy to m gy to brn gy to drk y brn	-	-	-	-	5.5	432	0094-1L
2230.00	cut	Sltst : m gy to drk gy to brn gy	-	-	-	-	5.5-6.0	432	0328-1L
2245.00	swc	bulk	0.34	8	0.06	-	-	-	0096-0B
2270.00	swc	Sltst : m gy to brn gy to dsk brn	-	-	-	-	5.5	433	0097-1L
2307.00	ccp	bulk	0.33	15	0.03	-	-	-	0277-0B

Table 8 : Thermal Maturity Data for well NOCS 35/11-4

Depth unit of measure: m

Depth	Typ	Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	Tmax (°C)	Sample
2309.00	ccp	Sltst : lt gy to lt brn gy	-	-	-	-	6.0(?)	426	0280-1L
2326.00	ccp	Sh/Clst: brn gy to lt brn gy	-	-	-	-	5.0(?)	424	0299-1L
2390.00	cut	Sltst : m gy to lt brn gy to brn gy	-	-	-	-	5.5-6.0	429	0344-1L
2430.00	cut	bulk	0.49	12	0.05	-	-	-	0348-0B
2460.00	cut	Sltst : lt gy to lt brn gy to brn gy	-	-	-	-	6.0-6.5	434	0351-1L
2475.00	swc	bulk	0.61	4	0.06	-	-	-	0103-0B
2500.00	swc	Sltst : w to m gy to brn gy	-	-	-	-	5.5	429	0104-1L
2551.50	swc	Sh/Clst: m gy to lt brn gy	-	-	-	-	5.5	430	0106-1L
2600.00	swc	bulk	0.69	3	0.02	-	-	-	0108-0B
2600.00	swc	Sltst : brn gy to gy brn	-	-	-	-	5.5-6.0	432	0108-1L
2647.50	swc	bulk	0.60	21	0.05	-	-	-	0118-0B
2647.50	swc	Coal : blk	-	-	-	-	6.0(??)	439	0118-1L
2755.00	swc	Sltst : m gy to brn gy	-	-	-	-	5.5-6.0	481	0128-1L

Table 8 : Thermal Maturity Data for well NOCS 35/11-4

Depth unit of measure: m

Depth	Typ	Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	Tmax (°C)	Sample
2823.50	swc	bulk	0.27	6	0.06	-	-	-	0131-0B
2978.00	swc	bulk	0.72	3	0.04	-	-	-	0136-0B
2978.00	swc	Sh/Clst: brn gy to lt brn gy	-	-	-	-	6.0	439	0136-1L
3110.00	cut	bulk	0.42	24	0.06	-	-	-	0394-0B

Table 9 : Visual Kerogen Composition Data for well NOCS 35/11-4

Depth unit of measure: m

Depth	Typ	Lithology	LIPT %	Amor L	LipDet	Sp/Pol	Cutic	Resin	Algae	Dinofl	Acrit	Bit L	INERT %	Fusin	Semfus	IntDet	Micrin	Sclero	Bit I	VITR %	Telin	Colin	VitDet	Amor V	Bit V	Sample
1013.00	swc	Sh/Clst: drk gy to brn blk	90	*	**	**	*		*	*			TR			*				10	*		*			0050-1L
1113.50	swc	Sh/Clst: drk gy to brn blk	85		**	**	*		*	*			TR			*				15	*					0046-1L
1494.00	swc	Sh/Clst: drk gy to brn blk	80	*	*	**	**		*	*			TR			*				20	*					0030-1L
1670.00	swc	bulk	65	*	*	**	**		*	*			TR		*	*				35	**	*	*			0023-0B
1943.00	swc	Sh/Clst: drk gy to brn blk	55	*	**	**	*		*	*			TR			*				45			*			0008-1L
1968.00	swc	Sh/Clst: drk gy to brn blk	80	**		*	**		**	*			15		*	*				5	*		*			0006-1L
1977.00	ccp	Sh/Clst: m gy to drk gy	80	**		*	**		*			*	10		*	*				10	*		*			0143-1L
1979.00	ccp	Sh/Clst: m gy to drk gy	60	**		*	**		*			*	20		*	*				20	*		*			0145-1L
2197.00	swc	Sltst : lt brn gy to m gy to brn gy to drk y brn	15		*	*	*		*	*			10		*	*				75	**	*	*			0094-1L
2230.00	cut	Sltst : m gy to drk gy to brn gy	40	*	*	*	?		*				20	*	*					40	*	*				0328-1L
2270.00	swc	Sltst : m gy to brn gy to dsk brn	30		*	*	**		*				TR			*				70	*			*		0097-1L
2309.00	ccp	Sltst : lt gy to lt brn gy	60		*	*	**		*	*			TR		*					40	*	*				0280-1L

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Depth unit of measure: m

Depth	Typ	Lithology	LIPT %	Amor L	LipDet	Sp/Pol	Cutin	Resin	Algae	Dinofl	Acrit	BitL	INERT %	Fusin	Semfus	Intdet	Micrin	Sclero	BitI	VITR %	Telin	Colin	Vitdet	Amorv	BitV	Sample
2326.00	ccp	Sh/Clst: brn gy to lt brn gy	65	**	*	*	**		*	*			TR			*				35	**	*		*		0299-1L
2390.00	cut	Sltst : m gy to lt brn gy to brn gy	60		*	*	*		*	*			TR		*					40	*	*				0344-1L
2460.00	cut	Sltst : lt gy to lt brn gy to brn gy	70		*	*	*		*				TR		*					30	*	*				0351-1L
2500.00	swc	Sltst : w to m gy to brn gy	60		*	*	*		**				TR		*					40	*	*				0104-1L
2551.50	swc	Sh/Clst: m gy to lt brn gy	75		*	*			**	*			20	*	*	*				5	*		*			0106-1L
2600.00	swc	Sltst : brn gy to gy brn	65	*	*	*	*		**	*			10		*	**				25	*	*	*			0108-1L
2647.50	swc	Coal : blk	25	*		*	*		*				40	*	*					35	*	*		*		0118-1L
2755.00	swc	Sltst : m gy to brn gy	10	*		*	**		*				20	*	**					70	**	*				0128-1L
2978.00	swc	Sh/Clst: brn gy to lt brn gy	25	*		*	**		**				5		*					70	**	*				0136-1L

Table 10a : Tabulation of carbon isotope data for EOM/EOM - fractions or Oils for well NOCS 35/11-4

Depth unit of measure: m

Depth	Typ	Lithology	EOM/Oil	Saturated	Aromatic	NSO	Asphaltenes	Kerogen	Sample
1979.00	ccp		-26.90	-27.39	-27.30	-26.93	-26.16	-	0145-1L
1982.00	ccp		-26.88	-28.40	-26.60	-26.51	-25.79	-	0149-1L
2000.00	oil		-27.93	-28.43	-27.48	-26.60	-27.35	-	0396-0B
2038.00	oil		-27.92	-28.50	-27.40	-26.67	-27.06	-	0397-0B
2066.00	ccp		-	-28.60	-28.14	-27.85	-27.67	-	0232-1L
2290.00	oil		-28.80	-28.58	-27.47	-26.92	-27.08	-	0398-0B
2321.00	ccp		-28.15	-28.53	-27.55	-27.15	-27.88	-	0293-1L
2410.00	com	Composite sample	-25.25	-26.57	-25.53	-25.46	-24.73	-	0401-0B
2634.50	oil		-28.43	-28.28	-27.41	* -36.80	-26.84	-	0399-0B
2678.00	oil		-27.51	-28.12	-27.11	-27.57	-27.39	-	0400-0B
2699.00	swc		-	-27.98	-27.97	-27.41	-27.80	-	0124-1L

* To little material for rerun.

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Table 10b : Tabulation of cv values from carbon isotope data for well NOCS 35/11-4

Depth unit of measure: m

Depth	Typ	Lithology	Saturated	Aromatic	cv value	Sample
1979.00	ccp		-27.39	-27.30	-2.96	0145-1L
1982.00	ccp		-28.40	-26.60	1.15	0149-1L
2000.00	oil		-28.43	-27.48	-0.73	0396-0B
2038.00	oil		-28.50	-27.40	-0.37	0397-0B
2066.00	ccp		-28.60	-28.14	-1.76	0232-1L
2290.00	oil		-28.58	-27.47	-0.33	0398-0B
2321.00	ccp		-28.53	-27.55	-0.63	0293-1L
2410.00	com	Composite sample	-26.57	-25.53	-1.10	0401-0B
2634.50	oil		-28.28	-27.41	-0.95	0399-0B
2678.00	oil		-28.12	-27.11	-0.69	0400-0B
2699.00	swc		-27.98	-27.97	-2.95	0124-1L

Table 11A: Variation in Triterpane Distribution (peak height) for Well NOCS 35/11-4

Depth unit of measure: m

Depth	Lithology	B/A	B/B+A	B B+E+F	C/E	C/C+E	X/E	Z/E	Z/C	Z/Z+E	Q/E	E/E+F	C+D C+D+E+F	D+F/C+E	J1 J1+J2%	Sample
1979.00	Sh/Clst	3.25	0.76	0.05	0.38	0.28	0.04	0.03	0.09	0.03	0.01	0.85	0.28	0.18	40.34	0145-1
1982.00	S/Sst	0.43	0.30	0.12	0.43	0.30	0.19	0.14	0.32	0.12	0.14	0.94	0.31	0.07	61.20	0149-1
2000.00	bulk	0.26	0.21	0.06	0.33	0.25	0.22	0.12	0.37	0.11	0.10	0.93	0.25	0.07	68.94	0396-0
2038.00	bulk	0.27	0.21	0.06	0.33	0.25	0.24	0.11	0.34	0.10	0.09	0.94	0.25	0.07	-	0397-0
2066.00	S/Sst	0.21	0.17	0.03	0.36	0.27	0.20	0.16	0.45	0.14	0.09	0.92	0.26	0.08	60.27	0232-1
2290.00	bulk	0.32	0.24	0.08	0.33	0.25	0.22	0.12	0.37	0.11	0.09	0.94	0.25	0.07	63.69	0398-0
2321.00	S/Sst	0.38	0.28	0.08	0.33	0.25	0.25	0.14	0.42	0.12	0.10	0.93	0.24	0.06	58.92	0293-1
2410.00	bulk	19.14	0.95	0.21	0.51	0.34	0.08	1.16	2.29	0.54	0.04	0.82	0.35	0.25	44.13	0401-0
2634.50	bulk	1.14	0.53	0.14	0.53	0.35	0.07	0.15	0.28	0.13	0.13	0.94	0.36	0.08	63.68	0399-0
2678.00	bulk	0.83	0.45	0.12	0.48	0.33	0.14	0.19	0.39	0.16	0.09	0.93	0.33	0.08	62.62	0400-0
2699.00	S/Sst	0.77	0.43	0.11	0.49	0.33	0.12	0.17	0.35	0.15	0.11	0.90	0.33	0.12	62.21	0124-1

Table 11B: Variation in Sterane Distribution (peak height) for Well NOCS 35/11-4

Depth unit of measure: m

Depth	Lithology	Ratio1	Ratio2	Ratio3	Ratio4	Ratio5	Ratio6	Ratio7	Ratio8	Ratio9	Ratio10	Sample
1979.00	Sh/Clst	0.44	13.15	45.55	0.89	0.76	0.06	0.05	0.29	0.15	0.48	0145-1
1982.00	S/Sst	0.80	44.52	75.69	1.03	0.78	0.48	0.36	0.61	0.80	2.81	0149-1
2000.00	bulk	0.85	50.07	73.74	1.07	0.74	0.46	0.35	0.58	1.00	2.81	0396-0
2038.00	bulk	0.85	53.99	76.52	0.96	0.75	0.42	0.32	0.62	1.17	3.54	0397-0
2066.00	S/Sst	0.80	43.22	74.70	0.99	0.77	0.17	0.12	0.60	0.76	2.60	0232-1
2290.00	bulk	0.86	49.38	75.65	1.03	0.76	0.42	0.31	0.61	0.98	3.07	0398-0
2321.00	S/Sst	0.86	-	85.37	1.03	1.00	0.39	0.28	0.74	-	2.92	0293-1
2410.00	bulk	0.76	16.93	68.90	0.45	0.87	0.19	0.16	0.53	0.20	1.33	0401-0
2634.50	bulk	0.83	46.78	76.68	0.80	0.78	0.47	0.36	0.62	0.88	3.09	0399-0
2678.00	bulk	0.79	47.41	78.26	0.73	0.79	0.38	0.28	0.64	0.90	3.42	0400-0
2699.00	S/Sst	0.75	38.95	75.75	0.81	0.80	0.33	0.24	0.61	0.64	2.56	0124-1

Ratio1: a / a + j
Ratio2: q / q + t * 100%
Ratio3: 2(r + s)/(q + t + 2(r + s)) * 100%
Ratio4: a + b + c + d / h + k + l + n
Ratio5: r + s / r + s + q

Ratio6: u + v / u + v + q + r + s + t
Ratio7: u + v / u + v + i + m + n + q + r + s + t
Ratio8: r + s / q + r + s + t
Ratio9: q / t
Ratio10: r + s / t

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Table 11C: Variation in Triaromatic Sterane Distribution for Well NOCS 35/11-4

Depth unit of measure: m

Depth	Lithology	Ratio1	Ratio2	Ratio3	Ratio4	Ratio5	Sample
1979.00	Sh/Clst	0.69	0.54	0.40	0.44	0.55	0145-1
1982.00	S/Sst	0.89	0.83	0.71	0.74	0.81	0149-1
2000.00	bulk	0.70	0.63	0.45	0.45	0.60	0396-0
2038.00	bulk	0.71	0.64	0.46	0.46	0.61	0397-0
2066.00	S/Sst	0.39	0.35	0.20	0.18	0.30	0232-1
2290.00	bulk	0.71	0.64	0.45	0.46	0.59	0398-0
2321.00	S/Sst	0.70	0.64	0.46	0.45	0.60	0293-1
2410.00	bulk	0.60	0.28	0.29	0.36	0.51	0401-0
2634.50	bulk	0.63	0.56	0.39	0.36	0.55	0399-0
2678.00	bulk	0.71	0.68	0.51	0.48	0.65	0400-0
2699.00	S/Sst	-	-	-	-	-	0124-1

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

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Table 11D: Variation in Monoaromatic Sterane Distribution for Well NOCS 35/11-4

Depth unit of measure: m

Depth	Lithology	Ratio1	Ratio2	Ratio3	Ratio4	Sample
1979.00	Sh/Clst	0.12	0.06	0.06	0.05	0145-1
1982.00	S/Sst	0.62	0.45	0.45	0.38	0149-1
2000.00	bulk	0.57	0.38	0.39	0.31	0396-0
2038.00	bulk	0.56	0.42	0.39	0.34	0397-0
2066.00	S/Sst	0.25	0.17	0.14	0.12	0232-1
2290.00	bulk	0.56	0.35	0.37	0.30	0398-0
2321.00	S/Sst	0.55	0.41	0.36	0.31	0293-1
2410.00	bulk	0.37	0.18	0.18	0.14	0401-0
2634.50	bulk	0.61	0.46	0.38	0.34	0399-0
2678.00	bulk	0.67	0.53	0.46	0.40	0400-0
2699.00	S/Sst	0.70	0.52	0.51	0.47	0124-1

Ratio1: A1 / A1 + E1
Ratio2: B1 / B1 + E1
Ratio3: A1 / A1 + E1 + G1
Ratio4: A1+B1 / A1+B1+C1+D1+E1+F1+G1+H1+I1

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Table 11E: Aromatisation of Steranes for Well NOCS 35/11-4

Depth unit of measure: m

Depth	Lithology	Ratio1	Ratio2	Sample
1979.00	Sh/Clst	0.92	0.25	0145-1
1982.00	S/Sst	0.42	0.91	0149-1
2000.00	bulk	0.46	0.87	0396-0
2038.00	bulk	0.46	0.92	0397-0
2066.00	S/Sst	0.46	0.89	0232-1
2290.00	bulk	0.46	0.90	0398-0
2321.00	S/Sst	0.45	0.94	0293-1
2410.00	bulk	0.77	0.44	0401-0
2634.50	bulk	0.68	0.79	0399-0
2678.00	bulk	0.51	0.88	0400-0
2699.00	S/Sst	1.00	-	0124-1

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

Ratio2: g1 / g1 + I1

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Table 11F: Raw GCMS triterpane data (peak height) for Well NOCS 35/11-4

Depth unit of measure: m

Depth	Lithology	p	q	r	s	t	a	b	z	c	Sample
		x	d	e	f	g	h	i	j1		
		j2	k1	k2	l1	l2	m1	m2			
1979.00	Sh/Clst	1.21	0.75	0.00	0.00	0.00	1.67	5.43	3.01	34.20	0145-1
		3.76	6.91	89.40	15.74	26.24	26.93	6.50	11.48		
		16.98	12.32	17.62	11.57	16.46	44.55	69.54			
1982.00	S/Sst	37.03	19.86	10.86	16.84	6.54	46.27	19.67	19.34	60.81	0149-1
		27.19	5.18	139.87	9.13	52.81	35.43	6.33	35.84		
		22.72	27.84	16.49	17.10	9.57	11.36	8.39			
2000.00	bulk	10.73	8.10	3.55	7.12	2.14	22.14	5.75	9.94	26.99	0396-0
		18.05	2.02	83.04	5.86	29.07	18.27	3.85	22.22		
		10.01	16.16	6.65	8.38	4.66	6.07	3.97			
2038.00	bulk	13.21	7.74	4.13	7.15	2.45	24.06	6.50	10.12	29.66	0397-0
		21.31	2.72	90.21	6.03	34.32	22.14	4.79	0.00		
		0.00	18.90	10.16	8.92	6.03	6.90	4.23			
2066.00	S/Sst	17.24	10.63	9.46	6.68	5.28	19.89	4.13	19.61	43.60	0232-1
		23.93	2.89	120.18	9.99	46.91	33.70	8.63	44.53		
		29.36	44.01	25.95	28.64	18.47	23.47	16.88			

Depth unit of measure: m

Depth	Lithology	p	q	r	s	t	a	b	z	c	Sample
		x	d	e	f	g	h	i	j1		
		j2	k1	k2	l1	l2	m1	m2			
2290.00	bulk	11.84	9.61	4.86	9.64	3.36	30.08	9.53	13.23	35.37	0398-0
		23.12	2.62	106.92	7.17	39.30	24.57	5.67	33.12		
		18.88	25.33	14.24	14.60	8.82	10.49	4.88			
2321.00	S/Sst	17.52	13.80	9.41	12.63	4.29	36.81	14.17	20.00	47.28	0293-1
		35.50	1.02	143.55	10.29	54.71	37.66	9.72	45.75		
		31.90	39.31	22.97	25.05	17.01	15.38	11.60			
2410.00	bulk	33.16	23.58	9.16	39.62	5.86	9.47	181.28	659.86	288.54	0401-0
		47.99	89.52	568.25	127.79	210.97	175.46	103.92	84.49		
		106.96	46.96	60.94	36.32	44.85	24.04	28.62			
2634.50	bulk	20.29	12.64	5.79	11.83	2.70	14.94	17.03	14.46	51.71	0399-0
		6.32	5.88	97.00	6.51	29.09	17.33	3.32	16.69		
		9.52	11.05	4.76	5.25	2.89	3.40	2.39			
2678.00	bulk	12.57	9.15	4.58	10.06	2.82	18.86	15.62	19.10	49.30	0400-0
		14.56	4.74	102.28	7.58	36.99	22.31	4.36	24.44		
		14.59	16.90	8.15	8.94	4.97	5.08	2.85			

Depth unit of measure: m

Depth	Lithology	p	q	r	s	t	a	b	z	c	Sample
			x	d	e	f	g	h	i	j1	
		j2	k1	k2	l1	l2	m1	m2			
2699.00	S/Sst	20.07	13.44	7.12	12.98	4.61	20.28	15.60	19.95	57.10	0124-1
		13.87	6.78	117.48	13.53	41.98	26.40	4.35	30.26		
		18.38	24.31	13.32	12.57	7.57	7.38	5.52			

Depth unit of measure: m

Depth	Lithology	u	v	a	b	c	d	e	f	g	Sample
		h	i	j	k	l	m	n	o		
		p	q	r	s	t					
1979.00	Sh/Clst	7.37	3.23	60.14	49.43	16.14	14.23	22.86	15.82	30.79	0145-1
		67.35	16.11	75.48	57.25	14.99	7.10	17.34	15.24		
		47.16	16.77	38.67	14.66	110.72					
1982.00	S/Sst	46.75	18.47	53.22	36.42	12.87	10.69	21.38	14.14	14.87	0149-1
		54.53	22.71	13.24	31.29	7.63	5.37	16.10	19.33		
		8.08	12.42	23.99	19.44	15.48					
2000.00	bulk	23.58	7.97	36.07	22.29	6.82	6.14	15.24	8.71	8.55	0396-0
		33.05	11.70	6.43	19.87	5.73	3.05	8.03	9.76		
		3.37	7.66	12.26	9.22	7.64					
2038.00	bulk	23.06	7.84	37.95	21.39	5.87	7.22	17.54	8.28	7.55	0397-0
		37.63	13.80	6.67	23.59	6.57	2.60	7.44	11.35		
		3.23	8.66	15.15	10.98	7.38					
2066.00	S/Sst	15.23	7.74	70.35	48.74	16.10	14.58	32.26	19.76	19.10	0232-1
		69.54	28.55	17.66	48.25	13.49	7.69	20.60	27.14		
		14.39	20.27	38.53	30.69	26.63					

Depth unit of measure: m

Depth	Lithology	u	v	a	b	c	d	e	f	g	Sample
		h	i	j	k	l	m	n	o		
		p	q	r	s	t					
2290.00	bulk	27.59	9.01	45.10	27.67	9.32	9.37	20.14	10.82	9.84	0398-0
		43.70	15.73	7.56	26.87	7.82	5.25	9.99	13.89		
		4.74	9.91	17.21	13.97	10.16					
2321.00	S/Sst	32.95	13.68	70.47	47.11	15.98	13.04	30.41	18.69	13.81	0293-1
		66.97	24.75	11.74	44.69	12.77	6.74	18.18	23.89		
		7.88	0.00	30.81	23.32	18.56					
2410.00	bulk	80.82	19.35	83.56	59.66	27.60	22.79	40.04	25.32	24.12	0401-0
		200.70	35.74	26.02	136.49	66.38	14.47	26.35	24.20		
		28.73	35.34	153.59	77.65	173.44					
2634.50	bulk	38.99	12.97	37.23	19.87	5.81	5.48	17.59	8.74	10.32	0399-0
		43.09	17.08	7.84	23.27	5.29	4.71	13.45	15.77		
		5.45	10.46	20.76	16.00	11.90					
2678.00	bulk	30.01	10.39	33.41	21.31	5.97	6.68	16.90	9.38	9.79	0400-0
		44.58	17.72	8.75	26.40	6.59	5.03	14.66	18.49		
		6.17	11.24	23.81	18.86	12.47					

Depth unit of measure: m

Depth	Lithology	u	v	a	b	c	d	e	f	g	Sample
		h	i	j	k	l	m	n	o		
		p	q	r	s	t					
2699.00	S/Sst	33.86	11.44	43.03	29.75	8.15	8.04	19.35	13.48	13.17	0124-1
		50.93	22.99	14.45	32.70	8.85	8.00	17.76	21.67		
		9.25	14.17	31.86	24.97	22.21					

Table 11H: Raw GCMS trioaromatic sterane data (peak height) for Well NOCS 35/11-4

Depth unit of measure: m

Depth	Lithology	a1	b1	c1	d1	e1	f1	g1	Sample
1979.00	Sh/Clst	205.33	111.04	54.24	170.95	80.72	85.33	93.14	0145-1
1982.00	S/Sst	336.29	195.83	20.42	78.68	47.21	31.47	40.05	0149-1
2000.00	bulk	182.09	133.45	36.49	120.22	91.68	54.75	79.88	0396-0
2038.00	bulk	153.74	112.03	30.88	100.30	71.54	46.54	63.27	0397-0
2066.00	S/Sst	74.83	62.65	52.72	173.95	131.29	88.12	114.84	0232-1
2290.00	bulk	187.38	138.33	37.35	132.50	88.78	57.48	77.44	0398-0
2321.00	S/Sst	275.11	211.58	55.77	183.85	127.49	84.93	117.22	0293-1
2410.00	bulk	100.42	26.10	30.06	96.08	65.48	47.79	67.59	0401-0
2634.50	bulk	66.56	49.87	10.52	54.72	45.87	34.18	39.21	0399-0
2678.00	bulk	144.48	122.88	16.49	77.58	65.69	35.20	58.63	0400-0
2699.00	S/Sst	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0124-1

Table 11I: Raw GCMS monoaromatic sterane data (peak height) for Well NOCS 35/11-4

Depth unit of measure: m

Depth	Lithology	a1	b1	c1	d1	e1	f1	g1	h1	i1	Sample
1979.00	Sh/Clst	200.39	87.88	430.28	600.68	1460.89	216.12	1451.55	957.23	274.20	0145-1
1982.00	S/Sst	64.38	31.84	28.45	17.32	39.14	10.41	39.34	16.79	4.05	0149-1
2000.00	bulk	103.05	46.28	55.17	35.80	76.26	21.20	85.16	43.09	12.07	0396-0
2038.00	bulk	88.54	49.53	46.18	30.07	68.25	18.45	70.22	32.54	5.60	0397-0
2066.00	S/Sst	41.67	25.19	65.22	50.03	124.86	25.40	129.74	69.63	14.71	0232-1
2290.00	bulk	103.24	43.47	56.67	36.45	81.94	22.94	91.80	42.58	8.14	0398-0
2321.00	S/Sst	138.64	78.55	83.40	52.10	112.47	23.99	129.61	62.94	8.14	0293-1
2410.00	bulk	115.87	42.50	84.17	68.16	198.89	61.54	322.13	191.51	85.82	0401-0
2634.50	bulk	128.59	71.28	45.54	28.08	83.11	26.53	128.70	70.65	10.22	0399-0
2678.00	bulk	110.92	62.31	36.38	26.34	55.34	21.18	76.87	38.13	7.82	0400-0
2699.00	S/Sst	17.31	7.80	3.60	2.78	7.33	1.22	9.57	3.63	0.00	0124-1