5.3 Formation Pressure Measurements

A Schlumberger Repeat Formation Tester (RFT) with a HP gauge was used to obtain formation pressures.

A total of 3 runs were made with the RFT tool, including 3 samples (2 segregated) (table 5.3).

Based on RFT samples and pressure measurements the oil water contact was determined at 1405 m RKB (1381.5 m MSL)

In the oil zone a pressure gradient of 0.065 bar/m determined from PVT analysis, was used. The water gradient defined from formation pressure measurements is 0.113 bar/m (fig. 5.1).

5.4 Fluid Analyses

RFT samples were taken at three different depths; 1403.8, 1405.5 and 2106.3 m RKB, containing oil, water and gas/water respectively. The following analyses were carried out on oil from 1403.8 m RKB:

- single flash of reservoir fluid to stock tank conditions
- differential liberation at reservoir temperature
- PVT relations at constant mass
- viscosity of reservoir fluid
- TBP distillation of stock tank oil
- wax analysis of stock tank oil

The reservoir oil composition is presented in table 5.4.

Resistivity measurements and 11-ions analysis have been carried out on water samples from both 1405.5 m RKB and 2106.3 m RKB. Compositional analysis has been performed on reservoir gas collected at 2106.3 m RKB and on liberated gas after single flash of the water samples mentioned above.

Formation Evaluation

DEPTH	HYDROSTATIC MUD PRESSURES before	after	FORMATION PRESSURES		COMMENTS
(mRKB)	(psia)	(psia)	(psia)	(bar)	
Run2A					
1401.3	2528.7	2531.0	2192.1	151.14	Low permeability
1402.5	2533.7	2533.0	2192.8	151.19	Low permeability
1403.8	2536.0	2536.3	2191.8	151.12	
1404.5	2536.6	2537.5	2192.4	151.16	
1405.5	2538.8	2539.3	2194.7	151.32	
1409.0	2545.2	2545.9	2200.7	151.73	
1414.0	2555.2	2554.0	2207.4	152.19	
1437.0	2593.8	2593.9	2245.4	154.81	
1450.0	2618.4	2617.7	2267.9	156.37	
1498.8	2703.0	2702.3	2347.6	161.86	
1511.0	2726.5	2726.2	2369.8	163.39	
1560.0	2813.2	2813.7	2451.2	169.00	
1622.0	2924.5	2924.5	2555.9	176.22	
1698.3	3059.2	3059.9	2682.6	184.96	
1706.3	3074.8	3074.0	2695.5	185.85	
1714.3	3089.0	3088.9	2709.4	186.81	
1719.0	3098.0	3097.8	2716.8	187.32	
1790.3	3224.4	3224.2	2829.0	195.05	
1829.3	3295.9	3294.6	2892.3	199.41	
2106.3	3790.3	3789.9	3352.2	231.13	Sample
2107.3	3793.7	3793.1	3352.2	231.13	
2124.0	3823.6	3823.7	3377.1	232.84	
2134.0	3841.7	3841.2	3391.4	233.83	
2138.3	3848.9	3849.7	3398.1	234.29	
Run2B					
1401.3	2526.1	2525.3	-	-	Tight
1402.5	2527.6	2527.5	2193.3	151.22	Low permeability
1403.5	2529.0	2529.5	2191.4	151.09	Not stabilized
1403.8	2529.2	2528.2	2191.1	151.07	Segregated sample
Run2C					
1405.5	2531.6	2533.5	2192.9	151.19	Segregated sample

REMARKS:

HP-crystal gauge
Temperature corrected pressures
KB = 23.5 m

4/89 MU/EPF

Table 5.3 Formation Pressures, Well 7125/1-1

RUN	DEPTH (mRKB)	2 3/4 GALLON CHAMBER*		
2A	2106.3	Opening pressure	: 1600	psi
		Gas	: 3.0	cuft
		Filtrate/Water	: 9.5	l
2B	1403.8	Opening pressure	: 1500	psi
		Gas	: 24.3	cuft
		Oil	: 6.0	l
		Filtrate/Water	: 1.4	l
2C	1405.5	Opening pressure	: -	
		Filtrate/Water	: 10.0	l

* 2 3/4 gallon chambers opened at rig floor

1 gallon chamber sent to Geco for PVT analysis

Table 5.3 (Cont.) Formation Pressures, Well 7125/1-1

Fluid Analysis

COMPOSITION OF RESERVOIR OIL
RFT - sample : 1403.8 mRKB

COMPONENT	weight %	mol %
CO_2	0.04	0.12
N_2	0.21	0.42
C_1	6.51	35.76
C_2	1.34	3.91
C_3	2.06	4.11
i - C_4	1.31	1.99
n - C_4	1.94	2.95
i - C_5	2.81	3.44
n - C_5	1.88	2.29
C_6	4.56	4.74
C_7	5.58	5.15
C_8	7.45	6.01
C_9	5.47	3.89
$C_{10}+$	58.84	25.22
$C_{20}+$	12.47	2.63

Average molecular weight	:	88
Molecular weight of $C_{10}+$	:	206
Density of $C_{10}+$ [kg/m^3]	:	818

Table 5.4 Reservoir oil composition
Stø Formation Equivalent, Well 7125/1-1

27.04.89 ToK/TrN/EPR

Fluid Analysis

SUMMARY OF FLUID ANALYSES

Oil (1403.8 mRKB)

Bubblepoint Pressure	:	115	bar
Oil Formation Volume Factor at Bubblepoint Pressure	:	1.361	resm3/Sm3
GOR	:	120.8	Sm3/m3
Stock tank Oil Density	:	776	kg/m3

Water (1405.5 mRKB)

Total Dissolved Solids	:	88 677	mg/l
Total Contents of Chloride	:	44 800	mg/l
Resistivity at 20 °C	:	0.0886	ohm-m
Density at 15°C	:	1 057	kg/m3

Gas/Water (2106.3 mRKB)

Gravity of Free Gas	:	0.604	
Total Dissolved Solids	:	75 151	mg/l
Total Contents of Chloride	:	36 400	mg/l
Resistivity at 20 °C	:	0.0997	ohm-m
Density at 15°C	:	1 047	kg/m3

Table 5.5 Summary of Fluid Analysis Results, Well 7125/1-1

27.04.89 ToK/TrN/EPR

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6.2.1 MUD PROPERTIES, DAILY REPORT

Well no: 7125/1-1

Date	Hole size	Hole depth	Mud weight	PV	YP	Gel strength	pH	Alkalinity Pf / Mf	Ca++ mg/l	Cl- mg/l	KCL ppb	Sand %	Solids %	Mudtype
881130	36	314.0	1.06											SPUD MUD
881201	36	402.0	1.06											SPUD MUD
881202	36	404.0	1.06											SPUD MUD
881203	17-1/2	607.0	1.06											SPUD MUD
881204	17-1/2	818.0	1.20											SPUD MUD
881205	17-1/2	818.0	1.20											SPUD MUD
881206	17-1/2	818.0	1.06											SPUD MUD
881207	17-1/2	818.0	1.20	14	15	1/1	9.1	0.2/1.5	140	35000	19		4.0	KCL MUD
881208	12-1/4	955.0	1.20	11	12	1/1	9.9	0.5/1.5	100	35000	22		6.2	KCL MUD
881209	12-1/4	1213.0	1.25	16	15	1/1	8.9	0.2/0.9	160	35000	22		7.2	KCL MUD
881210	12-1/4	1360.0	1.25	15	13	1/1	8.3	0.1/0.5	280	35000	22		7.2	KCL MUD
881211	12-1/4	1369.0	1.25	16	11	1/1	8.2	0.1/0.5	240	36000	22		8.1	KCL MUD
881212	12-1/4	1406.0	1.25	13	14	1/2	6.2	0.1/0.6	240	36000	22		8.0	KCL MUD
881213	12-1/4	1438.0	1.25	17	15	1/2	8.2	0.1/0.5	360	36000	22	0.2	9.0	KCL MUD
881214	12-1/4	1567.0	1.25	13	13	1/1	8.2	0.1/0.7	260	39000	24	0.2	8.0	KCL MUD
881215	12-1/4	1589.0	1.25	15	13	1/1	8.2	0.1/0.9	480	40000	25		10.0	KCL MUD
881216	12-1/4	1702.0	1.25	14	13	1/1	8.1	0.1/1.0	520	38000	23		11.0	KCL MUD
881217	12-1/4	1759.0	1.25	18	14	1/1	8.2	0.1/1.0	320	36000	23		11.0	KCL MUD
881218	12-1/4	1860.0	1.25	18	14	1/1	8.1	0.1/1.0	280	37000	23		11.0	KCL MUD
881219	12-1/4	1920.0	1.25	19	13	1/1	8.2	0.0/1.0	240	35000	22		11.0	KCL MUD
881220	12-1/4	2034.0	1.25	20	15	1/1	8.1	0.1/1.0	240	37000	23		11.0	KCL MUD
881221	12-1/4	2074.0	1.25	20	13	1/1	8.1	0.1/1.0	240	36000	22		11.0	KCL MUD
881222	12-1/4	2171.0	1.25	20	15	1/1	8.1	0.1/1.2	280	36000	22		11.0	KCL MUD
881223	12-1/4	2200.0	1.25	19	13	1/1	8.1	0.0/1.1	280	37000	23		9.1	KCL MUD
881224	12-1/4	2200.0	1.25	20	12	1/1	8.1	0.0/1.1	280	37000	23		9.1	KCL MUD
881225	12-1/4	2200.0	1.25	20	11	1/1	8.1	0.0/1.0	280	37000	23		9.1	KCL MUD
881226	PB	1970.0	1.25											KCL MUD
881227	PB	320.0	1.25											KCL MUD

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6.2.2 MUD MATERIALS USED

Well no: 7125/1-1

Materials	Unit	36 in hole	26 in hole	17-1/2 hole	12-1/4 hole	8-1/2 hole	Total
BARITE	M/T	8	0	0	219	0	227
BICARBONATE	50 KG	0	0	0	38	0	38
CAUSTIC SODA	25 KG	7	0	15	0	0	22
Newdrill	25 kg	0	0	0	391	0	391
Propol RT	25 kg	0	0	0	258	0	258
Propol SLT	25 kg	0	0	0	176	0	176
SODA ASH	50 KG	5	0	3	23	0	31
BENTONITE	M/T	15	0	26	0	0	41
PROBIO	55 GA	0	0	0	5	0	5
XC-POLYMER	25 KG	0	0	0	2	0	2
KCL - SXS	50 KG	0	0	0	216	0	216
KCL - BRINE	BBL	0	0	0	300	0	300

U-597 .3

GEOLAB NOR
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REPORT : Geochemical Analyses Report
Well NOCS 7125/1-1

CLIENT(S) : Saga Petroleum A/S

RESPONSIBLE SCIENTIST : Kjell Arne Bakken

AUTHORS : Malvin Bjorøy
Kjell Arne Bakken
Lorraine Buxton

DATE : 11.05.89

GEOLAB PROJECT : 526002

CLIENTS REF : KO-EUG-88-0034

INTRODUCTION

The analysed well, NOCS 7125/1-1, is situated in the very eastern part of the Hammerfest Basin. For location, see Figure 1.

The well was analysed and the data interpreted by Geolab Nor on the basis of a detailed program determined by Saga Petroleum. The work was authorised by Nigel Mills on behalf of Saga Petroleum.

All samples (including cuttings, cores, side-wall cores and an oil sample) and preliminary stratigraphic data were supplied by Saga Petroleum.

The analytical program consisted of the following analyses:

Head space gas	55 samples
Isotopes on head-space gas	18 samples
Lithological Description	120 samples
Rock-Eval	41 samples
Vitrinite reflectance microscopy	38 samples
Extractions	24 samples
Aromatic and saturated gas chromatography	19 samples
Thermal extraction - pyrolysis - gas chromatography	29 samples
Gas chromatography - mass spectrometry	16 samples
Isotopes on EOM and EOM fractions	12 samples
Elemental analysis	1 oil sample

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, 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 OV-1 capillary column (25 m x 0.22 mm i.d.) directly into the ion source. Helium (8psi) was used as carrier gas and the injections were performed in splittless mode. The GC oven was programmed from 50°C to 150°C at 35°C/min. at which point the programme rate was 4°C/min. up to 300° where the column was held isothermally for 20 min.. For the aromatic hydrocarbons, the GC oven was programmed from 40°C to 300°C at 5°C/min. and held isothermally at 300°C for 22 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 230°C. The instrument resolution used was 1000 (10% valley).

The datasystem used was a VG PDP11/73 system. The samples were analysed in multiple ion detection mode (MID) at a scan cycle time of approximately 1,2 sec..

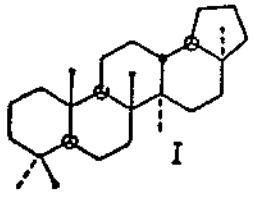
Calculation of peak ratios was done from peak height in the appropriate mass fragmentograms.

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-αβhomohopane	$C_{31}H_{54}$	(II, R=i-C_4H_9)
H.	22R-αβhomohopane	$C_{31}H_{54}$	(II, R=i-C_4H_9)
I.	βα-homomoretane	$C_{31}H_{54}$	(III, R=i-C_4H_9)
J.	22S-αβbishomohopane	$C_{32}H_{56}$	(II, R=i-C_5H_{11})
	22R-αβbishomohopane	$C_{32}H_{56}$	(II, R=i-C_5H_{11})
K.	22S-αβtrishomohopane	$C_{33}H_{58}$	(II, R=i-C_6H_{13})
	22R-αβtrishomohopane	$C_{33}H_{58}$	(II, R=i-C_6H_{13})
L.	22S-αβtetrakishomohopane	$C_{34}H_{60}$	(II, R=i-C_7H_{15})
	22R-αβtetrakishomohopane	$C_{34}H_{60}$	(II, R=i-C_7H_{15})
M.	22S-αβpentakishomohopane	$C_{35}H_{62}$	(II, R=i-C_8H_{17})
	22R-αβpentakishomohopane	$C_{35}H_{62}$	(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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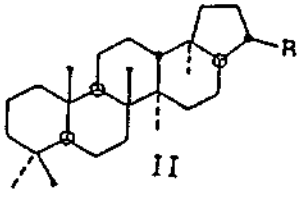

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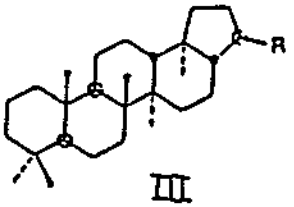

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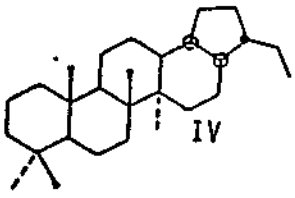
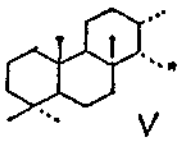


IV



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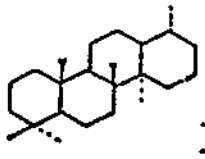

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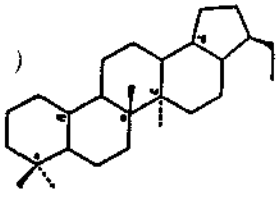


VII

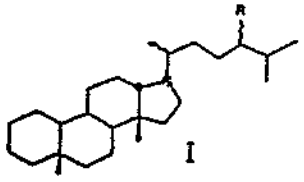
Mass Fragmentograms representing Steranes

(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 + 20S-ααα -cholestane	$C_{28}H_{50}$	(II, R=CH_3)
		$C_{27}H_{48}$	(III, R=H)
h.	20S βα -24-ethyl-diacholestane +20R$^{\alpha}$ ββ-cholestane	$C_{29}H_{52}$	(II, R=C_2H_5)
		$C_{27}H_{48}$	(IV, R=H)
i.	20S-αββ-cholestane +20R-αβ-24-methyl-diacholestane	$C_{27}H_{48}$	(IV, R=H)
		$C_{28}H_{50}$	(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 + 20R-αβ -24 ethyl-diacholestane	$C_{28}H_{50}$	(IV, R=CH_3)
		$C_{29}H_{52}$	(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.	5α-sterane	$C_{21}H_{36}$	(VI, R=C_2H_5)
V.	5α-sterane	$C_{22}H_{38}$	(VI, R=C_3H_7)

STRUCTURES REPRESENTING STERANES.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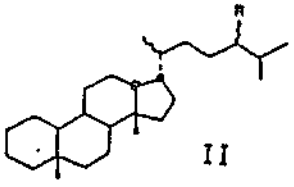
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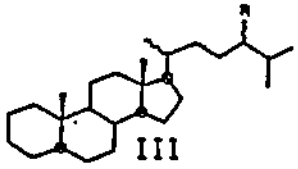
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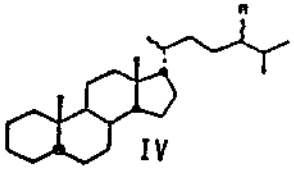
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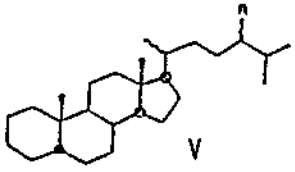
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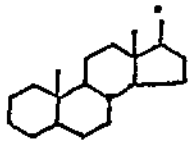
VI

List of abbreviations used for lithology description
(sorted alphabetically)

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 used as additive (under "Cont") or to describe cemented S/Sst
Chert	= Chert
chk	= Chalk/chalky
cly	= clayey/shaley
cngl	= conglomeratic
Coal	= Coal
Coal-ad	= Coal-like additive (e.g. chromlignosulfonate)
Congl	= Conglomerate
Cont	= Contamination
crs	= coarse grained
cvd	= caved
dd	= dried drilling mud
dol	= Dolomite/dolomitic
drk	= dark (colour)
dsk	= dusky (colour)
evap	= Salt/Gypsum/Halite (natural "Other" or as additive "Cont")
f	= fine grained
fib	= fibres (mud additive/contamination)
fis	= fissile
fos	= fossiliferous
glauc	= Glauconite/glauconitic
gn	= green/greenish
gy	= grey/greyish
hd	= hard
ign	= Igneous (material derived from igneous source)
int	= percentage interpreted from logs
Kaolin	= Kaolin(ite)
kln	= kaolinitic
l	= loose
lam	= laminated/laminae
lt	= light (colour)
m	= medium (colour or grain size)

List of abbreviations used for lithology description
(sorted alphabetically)

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

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

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

Well: NOCS 7125/1-1
Depth unit of measure: m

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4/nC4
1009.00	21146	564	271	212	117	371	22310	1164	5.2	1.81
1018.00	12214	288	181	163	93	291	12939	725	5.6	1.75
1027.00	16093	516	960	1429	1337	3180	20335	4242	20.9	1.07
1036.00	14798	484	1067	1531	1363	3611	19243	4445	23.1	1.12
1045.00	9078	274	372	403	348	857	10475	1397	13.3	1.16
1054.00	14471	468	334	300	213	627	15786	1315	8.3	1.41
1063.00	709	19	7	4	2	5	741	32	4.3	2.00
1072.00	9808	229	77	43	24	61	10181	373	3.7	1.79
1081.00	13621	421	165	95	48	126	14350	729	5.1	1.98
1090.00	10828	384	138	61	29	47	11440	612	5.4	2.10
1099.00	20030	632	311	233	147	354	21353	1323	6.2	1.59
1108.00	23023	805	268	110	50	73	24256	1233	5.1	2.20
1117.00	20215	679	220	88	41	56	21243	1028	4.8	2.15
1126.00	20097	680	201	71	37	59	21086	989	4.7	1.92
1135.00	14759	651	402	221	164	427	16197	1438	8.9	1.35
1144.00	21972	671	223	128	89	238	23083	1111	4.8	1.44
1153.00	16739	779	266	59	50	80	17893	1154	6.5	1.18
1162.00	15221	480	187	37	23	54	15948	727	4.6	1.61
1171.00	15821	409	136	47	34	112	16447	626	3.8	1.38
1180.00	17506	547	432	60	56	116	18601	1095	5.9	1.07
1189.00	22577	738	264	136	95	380	23810	1233	5.2	1.43
1198.00	20421	567	352	74	45	110	21459	1038	4.8	1.64
1207.00	7401	295	229	43	33	89	8001	600	7.5	1.30

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

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

Well: NOCS 7125/1-1
Depth unit of measure: m

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4/nC4
1216.00	13736	427	250	32	23	50	14468	732	5.1	1.39
1225.00	9467	263	109	25	17	42	9881	414	4.2	1.47
1234.00	2480	126	52	8	6	7	2672	192	7.2	1.33
1243.00	12582	518	172	27	20	50	13319	737	5.5	1.35
1252.00	16146	887	87	13	16	10	17149	1003	5.9	0.81
1260.00	22749	1318	425	12	19	8	24523	1774	7.2	0.63
1269.00	17606	950	386	15	25	15	18982	1376	7.3	0.60
1278.00	7016	394	281	262	232	6557	8185	1169	14.3	1.13
1287.00	16303	1375	898	73	119	26	18768	2465	13.1	0.61
1296.00	12083	941	722	68	110	31	13924	1841	13.2	0.62
1305.00	8765	721	475	44	70	19	10075	1310	13.0	0.63
1314.00	20657	1608	847	68	118	30	23298	2641	11.3	0.58
1323.00	20221	1091	425	38	56	41	21831	1610	7.4	0.68
1332.00	11219	1138	768	75	131	48	13331	2112	15.8	0.57
1341.00	9138	998	692	78	132	63	11038	1900	17.2	0.59
1350.00	38839	3643	2506	298	636	319	45922	7083	15.4	0.47
1359.00	53093	5175	2869	287	604	293	62028	8935	14.4	0.48
1368.00	5449	983	917	102	221	93	7672	2223	29.0	0.46
1395.00	73551	4524	2429	436	374	176	81314	7763	9.6	1.17
1404.00	51762	4455	3114	876	998	889	61205	9443	15.4	0.88
1413.00	16815	1712	1122	205	295	244	20149	3334	16.6	0.69
2016.00	21383	2058	1411	357	453	362	25662	4279	16.7	0.79
2034.00	7930	1211	595	32	74	37	9842	1912	19.4	0.43

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

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

Well: NOCS 7125/1-1
Depth unit of measure: m

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4/nC4
2052.00	2370	377	210	11	20	12	2988	618	20.7	0.55
2070.00	2851	656	809	41	87	42	4444	1593	35.9	0.47
2088.00	5078	939	1903	225	398	264	8543	3465	40.6	0.57
2106.00	15494	980	795	235	286	315	17790	2296	12.9	0.82
2124.00	27522	943	628	111	122	158	29326	1804	6.2	0.91
2142.00	2775	474	709	160	261	227	4379	1604	36.6	0.61
2160.00	11575	1295	1005	181	297	202	14353	2778	19.4	0.61
2178.00	3475	872	899	122	220	152	5588	2113	37.8	0.55
2196.00	6978	2070	2035	285	446	239	11814	4836	40.9	0.64

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

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

Well: NOCS 7125/1-1
Depth unit of measure: m

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4/nC4
1009.00	139	31	61	99	88	2415	418	279	66.8	1.13
1018.00	82	16	36	59	50	1974	243	161	66.3	1.18
1027.00	146	29	108	296	429	8380	1008	862	85.5	0.69
1036.00	75	14	81	225	349	4091	744	669	89.9	0.64
1045.00	107	26	104	228	319	3052	784	677	86.4	0.71
1054.00	517	42	60	95	113	2666	827	310	37.5	0.84
1063.00	128	33	74	127	156	1538	518	390	75.3	0.81
1072.00	148	37	43	34	24	51	286	138	48.3	1.42
1081.00	116	29	33	26	19	41	223	107	48.0	1.37
1090.00	99	26	34	29	19	91	207	108	52.2	1.53
1099.00	77	19	22	20	16	181	154	77	50.0	1.25
1108.00	112	27	35	47	43	555	264	152	57.6	1.09
1117.00	113	26	30	25	18	71	212	99	46.7	1.39
1126.00	143	66	183	59	95	146	546	403	73.8	0.62
1135.00	126	39	110	88	110	2651	473	347	73.4	0.80
1144.00	138	39	40	25	20	230	262	124	47.3	1.25
1153.00	162	55	168	69	140	548	594	432	72.7	0.49
1162.00	61	14	21	13	12	80	121	60	49.6	1.08
1171.00	272	16	16	11	11	268	326	54	16.6	1.00
1180.00	64	14	30	8	15	168	131	67	51.2	0.53
1189.00	70	14	13	9	9	156	115	45	39.1	1.00
1198.00	66	9	13	8	10	465	106	40	37.7	0.80
1207.00	77	11	10	5	7	181	110	33	30.0	0.71

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

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

Well: NOCS 7125/1-1
Depth unit of measure: m

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4 / nC4
1216.00	81	11	13	5	7	162	117	36	30.8	0.71
1225.00	59	9	11	4	7	155	90	31	34.4	0.57
1234.00	319	362	632	202	274	174	1789	1470	82.2	0.74
1243.00	113	34	49	15	20	303	231	118	51.1	0.75
1252.00	57	19	44	6	11	795	137	80	58.4	0.55
1260.00	76	60	112	7	15	14	270	194	71.9	0.47
1269.00	58	34	92	13	28	317	225	167	74.2	0.46
1278.00	54	16	35	8	14	89	127	73	57.5	0.57
1287.00	123	54	175	32	93	220	477	354	74.2	0.34
1296.00	72	20	78	16	44	186	230	158	68.7	0.36
1305.00	75	47	168	27	83	58	400	325	81.3	0.33
1314.00	199	234	589	91	206	80	1319	1120	84.9	0.44
1323.00	348	297	603	84	185	93	1517	1169	77.1	0.45
1332.00	552	162	494	85	223	89	1516	964	63.6	0.38
1341.00	270	188	692	120	302	178	1572	1302	82.8	0.40
1350.00	3287	2614	4574	808	1826	1242	13109	9822	74.9	0.44
1359.00	8680	6129	9737	1770	3970	2907	30286	21606	71.3	0.45
1368.00	172	215	594	103	304	223	1388	1216	87.6	0.34
1395.00	10436	4651	4699	1081	1553	704	22420	11984	53.5	0.70
1404.00	833	537	658	184	251	74	2463	1630	66.2	0.73
1413.00	2845	3116	5182	1252	2391	966	14786	11941	80.8	0.52
2016.00	355	256	319	94	103	25	1127	772	68.5	0.91
2034.00	760	706	1284	194	452	317	3396	2636	77.6	0.43

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

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

Well: NOCS 7125/1-1
Depth unit of measure: m

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4/nC4
2052.00	522	577	1104	247	466	183	2916	2394	82.1	0.53
2070.00	96	64	201	25	69	40	455	359	78.9	0.36
2088.00	148	166	653	164	426	313	1557	1409	90.5	0.38
2106.00	385	205	591	326	597	1810	2104	1719	81.7	0.55
2124.00	563	118	199	59	138	330	1077	514	47.7	0.43
2142.00	294	88	346	133	322	903	1183	889	75.2	0.41
2160.00	3245	651	667	144	375	451	5082	1837	36.2	0.38
2178.00	355	145	475	105	296	317	1376	1021	74.2	0.35
2196.00	576	436	1468	316	782	493	3578	3002	83.9	0.40

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

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

Well: NOCS 7125/1-1
Depth unit of measure: m

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4/nC4
1009.00	21285	595	332	311	205	2786	22728	1443	6.4	1.52
1018.00	12296	304	217	222	143	2265	13182	886	6.7	1.55
1027.00	16239	545	1068	1725	1766	11560	21343	5104	23.9	0.98
1036.00	14873	498	1148	1756	1712	7702	19987	5114	25.6	1.03
1045.00	9185	300	476	631	667	3909	11259	2074	18.4	0.95
1054.00	14988	510	394	395	326	3293	16613	1625	9.8	1.21
1063.00	837	52	81	131	158	1543	1259	422	33.5	0.83
1072.00	9956	266	120	77	48	112	10467	511	4.9	1.60
1081.00	13737	450	198	121	67	167	14573	836	5.7	1.81
1090.00	10927	410	172	90	48	138	11647	720	6.2	1.88
1099.00	20107	651	333	253	163	535	21507	1400	6.5	1.55
1108.00	23135	832	303	157	93	628	24520	1385	5.7	1.69
1117.00	20328	705	250	113	59	127	21455	1127	5.3	1.92
1126.00	20240	746	384	130	132	205	21632	1392	6.4	0.98
1135.00	14885	690	512	309	274	3078	16670	1785	10.7	1.13
1144.00	22110	710	263	153	109	468	23345	1235	5.3	1.40
1153.00	16901	834	434	128	190	628	18487	1586	8.6	0.67
1162.00	15282	494	208	50	35	134	16069	787	4.9	1.43
1171.00	16093	425	152	58	45	380	16773	680	4.1	1.29
1180.00	17570	561	462	68	71	284	18732	1162	6.2	0.96
1189.00	22647	752	277	145	104	536	23925	1278	5.3	1.39
1198.00	20487	576	365	82	55	575	21565	1078	5.0	1.49

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

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

Well: NOCS 7125/1-1
Depth unit of measure: m

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4/nC4
1207.00	7478	306	239	48	40	270	8111	633	7.8	1.20
1216.00	13817	438	263	37	30	212	14585	768	5.3	1.23
1225.00	9526	272	120	29	24	197	9971	445	4.5	1.21
1234.00	2799	488	684	210	280	181	4461	1662	37.3	0.75
1243.00	12695	552	221	42	40	353	13550	855	6.3	1.05
1252.00	16203	906	131	19	27	805	17286	1083	6.3	0.70
1260.00	22825	1378	537	19	34	22	24793	1968	7.9	0.56
1269.00	17664	984	478	28	53	332	19207	1543	8.0	0.53
1278.00	7070	410	316	270	246	6646	8312	1242	14.9	1.10
1287.00	16426	1429	1073	105	212	246	19245	2819	14.7	0.50
1296.00	12155	961	800	84	154	217	14154	1999	14.1	0.55
1305.00	8840	768	643	71	153	77	10475	1635	15.6	0.46
1314.00	20856	1842	1436	159	324	110	24617	3761	15.3	0.49
1323.00	20569	1388	1028	122	241	134	23348	2779	11.9	0.51
1332.00	11771	1300	1262	160	354	137	14847	3076	20.7	0.45
1341.00	9408	1186	1384	198	434	241	12610	3202	25.4	0.46
1350.00	42126	6257	7080	1106	2462	1561	59031	16905	28.6	0.45
1359.00	61773	11304	12606	2057	4574	3200	92314	30541	33.1	0.45
1368.00	5621	1198	1511	205	525	316	9060	3439	38.0	0.39
1395.00	83987	9175	7128	1517	1927	880	103734	19747	19.0	0.79
1404.00	52595	4992	3772	1060	1249	963	63668	11073	17.4	0.85
1413.00	19660	4828	6304	1457	2686	1210	34935	15275	43.7	0.54

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

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

Well: NOCS 7125/1-1
Depth unit of measure: m

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4/nC4
2016.00	21738	2314	1730	451	556	387	26789	5051	18.9	0.81
2034.00	8690	1917	1879	226	526	354	13238	4548	34.4	0.43
2052.00	2892	954	1314	258	486	195	5904	3012	51.0	0.53
2070.00	2947	720	1010	66	156	82	4899	1952	39.8	0.42
2088.00	5226	1105	2556	389	824	577	10100	4874	48.3	0.47
2106.00	15879	1185	1386	561	883	2125	19894	4015	20.2	0.64
2124.00	28085	1061	827	170	260	488	30403	2318	7.6	0.65
2142.00	3069	562	1055	293	583	1130	5562	2493	44.8	0.50
2160.00	14820	1946	1672	325	672	653	19435	4615	23.8	0.48
2178.00	3830	1017	1374	227	516	469	6964	3134	45.0	0.44
2196.00	7554	2506	3503	601	1228	732	15392	7838	50.9	0.49

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 2 : Lithology description for well NOCS 7125/1-1

Depth unit of measure: m

Depth		Type			Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
829.00						0119
			95	Sh/Clst: m gy, calc, slt		0119-2L
			5	S/Sst : lt gy, calc, slt, cem		0119-1L
			tr	Cont : cem		0119-3L
847.00						0120
			100	Sh/Clst: m gy to drk gy, slt, mic		0120-1L
			tr	Ca : pl brn to brn gy, dol		0120-2L
			tr	Cont : cem, prp, fib		0120-3L
			tr	Other : pyr		0120-4L
856.00						0121
			85	Sh/Clst: m gy to drk gy, slt, mic		0121-1L
			10	Cont : cem, prp, fib		0121-3L
			5	Ca : pl brn to brn gy, dol		0121-2L
			tr	Other : pyr		0121-4L
883.00						0122
			100	Sh/Clst: m gy to drk gy, calc, slt, mic		0122-1L
			tr	Ca : pl brn to brn gy, dol		0122-2L
			tr	Cont : cem, prp, fib		0122-3L
			tr	S/Sst : lt gy, calc, glauc		0122-4L
901.00						0123
			95	Sh/Clst: m gy to drk gy, calc, slt, mic		0123-1L
			5	Ca : pl brn to brn gy, dol		0123-2L
			tr	Cont : cem, prp, fib		0123-3L
			tr	S/Sst : lt gy, calc, glauc		0123-4L

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 2 : Lithology description for well NOCS 7125/1-1

Depth unit of measure: m

Depth		Type			Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
919.00						0124
			95	Sh/Clst: m gy to drk gy, calc, slt, mic		0124-1L
			5	Ca : pl brn to brn gy, dol		0124-2L
			tr	Cont : cem		0124-3L
			tr	S/Sst : lt gy, calc, glauc		0124-4L
937.00						0125
			90	Sh/Clst: m gy to drk gy, calc, slt, mic		0125-1L
			5	Ca : pl brn to brn gy, dol		0125-2L
			5	S/Sst : lt gy, calc, glauc		0125-3L
955.00						0126
			80	Sh/Clst: m gy to drk gy, calc, slt, mic		0126-1L
			10	Ca : pl brn to brn gy, dol		0126-2L
			10	S/Sst : lt gy, calc, glauc		0126-3L
			tr	Cont : prp		0126-4L
982.00						0127
			60	Sh/Clst: m gy to drk gy, calc, slt, mic		0127-1L
			25	S/Sst : lt gy, calc, glauc, cem		0127-3L
			15	Ca : pl brn to brn gy, dol		0127-2L
			tr	Cont : prp		0127-4L
1000.00						0128
			50	Sh/Clst: m gy, slt, mic		0128-1L
			45	S/Sst : lt gy, calc, glauc, cem		0128-3L
			5	Ca : pl brn to brn gy, dol		0128-2L
			tr	Cont : prp		0128-4L

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 2 : Lithology description for well NOCS 7125/1-1

Depth unit of measure: m

Depth		Type			Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1018.00						0129
			80	Sh/Clst: m gy, slt, mic		0129-1L
			15	S/Sst : lt gy, calc, glauc, cem		0129-3L
			5	Ca : pl brn to brn gy, dol		0129-2L
			tr	Cont : prp, fib		0129-4L
1036.00						0130
			60	Sh/Clst: m gy, calc, slt, mic		0130-1L
			40	S/Sst : lt gy, calc, glauc, cem		0130-3L
			tr	Ca : pl brn to brn gy, dol		0130-2L
			tr	Cont : prp		0130-4L
1045.00	swc					0026
			100	Sh/Clst: drk gy		0026-1L
1054.00						0131
			85	Sh/Clst: m gy, calc, slt, mic		0131-1L
			15	S/Sst : lt gy, calc, glauc, cem		0131-3L
			tr	Ca : pl brn to brn gy, dol		0131-2L
			tr	Cont : prp		0131-4L
1072.00						0132
			85	Sh/Clst: m gy, calc, slt, mic		0132-1L
			15	S/Sst : lt gy, calc, glauc, cem		0132-3L
			tr	Ca : pl brn to brn gy, dol		0132-2L
			tr	Cont : prp		0132-4L

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 2 : Lithology description for well NOCS 7125/1-1

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Lithology description	Trb	Sample
1081.00						0133
			65	Sh/Clst: m gy, calc, slt, mic		0133-1L
			35	S/Sst : lt gy, calc, glauc, cem		0133-3L
			tr	Ca : pl brn to brn gy, dol		0133-2L
1099.00						0134
			75	Sh/Clst: m gy, calc, slt, mic		0134-1L
			20	S/Sst : lt gy, calc, glauc, cem		0134-3L
			5	Ca : pl brn to brn gy, dol		0134-2L
			tr	Cont : prp		0134-4L
1126.00						0135
			85	Sh/Clst: m gy, calc, slt, mic		0135-1L
			10	Ca : pl brn to brn gy, dol		0135-2L
			5	S/Sst : lt gy, calc, glauc, cem		0135-3L
			tr	Cont : prp, dd		0135-4L
1134.00	swc					0027
			100	Sh/Clst: drk gy		0027-1L
1144.00						0136
			90	Sh/Clst: m gy, calc, slt, mic		0136-1L
			5	Ca : pl brn to brn gy, dol		0136-2L
			5	S/Sst : lt gy, calc, glauc, cem		0136-3L
			tr	Cont : prp, dd		0136-4L
1150.00	swc					0028
			100	Sh/Clst: drk gy		0028-1L

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 2 : Lithology description for well NOCS 7125/1-1

Depth unit of measure: m

Depth		Type			Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1162.00						0137
			75	Sh/Clst: m gy, calc, slt, mic		0137-1L
			15	Cont : dd		0137-4L
			10	Sh/Clst: gy red		0137-5L
			tr	Ca : pl brn to brn gy, dol		0137-2L
			tr	S/Sst : lt gy, calc, glauc, cem		0137-3L
1180.00						0138
			45	Sh/Clst: m gy, calc, slt, mic		0138-1L
			35	Sh/Clst: gn gy to lt gy to m gy		0138-6L
			15	Sh/Clst: gy red		0138-5L
			5	Cont : dd		0138-4L
			tr	Ca : pl brn to brn gy, dol		0138-2L
			tr	S/Sst : lt gy, calc, glauc, cem		0138-3L
1198.00						0139
			70	Sh/Clst: gn gy to lt gy to m gy		0139-6L
			25	Sh/Clst: m gy, calc, slt, mic		0139-1L
			5	Sh/Clst: gy red		0139-5L
			tr	Ca : pl brn to brn gy, dol		0139-2L
			tr	S/Sst : lt gy, calc, glauc, cem		0139-3L
			tr	Cont : dd		0139-4L
1200.00	swc					0029
			100	Sh/Clst: drk gy		0029-1L
1207.00						0140
			80	Sh/Clst: gn gy to lt gy to m gy		0140-6L
			15	Sh/Clst: m gy, calc, slt, mic		0140-1L
			5	Cont : dd		0140-4L
			tr	Ca : pl brn to brn gy, dol		0140-2L
			tr	S/Sst : lt gy, calc, glauc, cem		0140-3L
			tr	Sh/Clst: gy red		0140-5L

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 2 : Lithology description for well NOCS 7125/1-1

Depth unit of measure: m

Depth		Type			Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1216.00						0141
			100	Sh/Clst: m gy to lt gy to gn gy		0141-5L
			tr	Ca : pl brn to brn gy, dol		0141-1L
			tr	S/Sst : lt gy, calc, glauc, cem		0141-2L
			tr	Cont : dd		0141-3L
			tr	Sh/Clst: gy red		0141-4L
1225.00						0142
			90	Sh/Clst: m gy to lt gy to gn gy		0142-5L
			5	Cont : dd		0142-3L
			5	Sh/Clst: gy red		0142-4L
			tr	Ca : pl brn to brn gy, dol		0142-1L
			tr	S/Sst : lt gy, calc, glauc, cem		0142-2L
1234.00						0143
			100	Sh/Clst: m gy to lt gy to gn gy		0143-5L
			tr	Ca : pl brn to brn gy, dol		0143-1L
			tr	S/Sst : lt gy, calc, glauc, cem		0143-2L
			tr	Cont : dd		0143-3L
			tr	Sh/Clst: gy red		0143-4L
			tr	Other : pyr		0143-6L
1243.00						0144
			95	Sh/Clst: m gy to lt gy to gn gy, slt		0144-5L
			5	Sh/Clst: gy red		0144-4L
			tr	Ca : pl brn to brn gy, dol		0144-1L
			tr	S/Sst : lt gy, calc, glauc, cem		0144-2L
			tr	Cont : dd		0144-3L
			tr	Other : pyr		0144-6L

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 2 : Lithology description for well NOCS 7125/1-1

Depth unit of measure: m

Depth		Type			Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1252.00						0145
			100	Sh/Clst: m gy to gn gy, slt		0145-5L
			tr	Ca : pl brn to brn gy, dol		0145-1L
			tr	S/Sst : lt gy, calc, glauc, cem		0145-2L
			tr	Cont : dd		0145-3L
			tr	Sh/Clst: gy red		0145-4L
			tr	Other : pyr		0145-6L
1260.00						0146
			100	Sh/Clst: m gy to gn gy		0146-5L
			tr	Ca : pl brn to brn gy, dol		0146-1L
			tr	S/Sst : lt gy, calc, glauc, cem		0146-2L
			tr	Cont : ns, fib		0146-3L
			tr	Sh/Clst: gy red		0146-4L
1269.00						0147
			100	Sh/Clst: m gy to gn gy		0147-5L
			tr	Ca : pl brn to brn gy, dol		0147-1L
			tr	S/Sst : lt gy, calc, glauc, cem		0147-2L
			tr	Cont : prp, fib		0147-3L
			tr	Sh/Clst: gy red		0147-4L
1278.00						0148
			90	Sh/Clst: m gy to lt gy to gn gy		0148-4L
			10	Ca : pl brn to brn gy, dol		0148-1L
			tr	S/Sst : lt gy, calc, glauc, cem		0148-2L
			tr	Cont : prp, fib		0148-3L
1282.00	swc					0030
			100	Sh/Clst: gy red to m gy		0030-1L

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 2 : Lithology description for well NOCS 7125/1-1

Depth unit of measure: m

Depth		Type				Trb	Sample
Int	Cvd	TOC%	%	Lithology description			
1287.00							0149
			95	Sh/Clst:	m gy to lt gy to gn gy		0149-3L
			5	Ca	: pl brn to brn gy, dol		0149-1L
			tr	S/Sst	: lt gy, calc, glauc, cem		0149-2L
			tr	Sh/Clst:	gy red		0149-4L
1296.00							0107
			100	Sh/Clst:	m gy to lt gy to gn gy		0107-4L
			tr	Cont	: prp		0107-1L
			tr	Sh/Clst:	gy red		0107-2L
			tr	Ca	: pl brn to lt brn gy, dol		0107-3L
1305.00							0108
			90	Sh/Clst:	m gy to lt gy to gn gy		0108-4L
			5	Cont	: dd		0108-1L
			5	Ca	: pl brn to lt brn gy to brn blk, dol		0108-3L
			tr	Sh/Clst:	gy red		0108-2L
1314.00							0109
			80	Sh/Clst:	m gy to lt gy to gn gy		0109-4L
		2.56	15	Sh/Clst:	drk gy		0109-6L
			5	Ca	: pl brn to lt brn gy to brn blk, dol		0109-3L
			tr	Cont	: dd		0109-1L
			tr	Sh/Clst:	gy red		0109-2L
			tr	Other	: pyr		0109-5L
1317.00	swc						0031
			100	Sh/Clst:	brn gy, slt, l		0031-1L
			tr	Cont	: dd		0031-2L

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 2 : Lithology description for well NOCS 7125/1-1

Depth unit of measure: m

Depth		Type			Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1323.00						0150
			40	Sh/Clst: gy red		0150-3L
			35	Sh/Clst: m gy to lt gy to gn gy		0150-2L
		6.54	25	Sh/Clst: drk gy to brn blk		0150-4L
			tr	Ca : pl brn to brn gy, dol		0150-1L
			tr	Other : pyr		0150-5L
			tr	Cont : prp		0150-6L
1327.50	swc					0032
			100	Sh/Clst: gy red, l		0032-1L
			tr	Cont : dd		0032-2L
1332.00						0110
			50	Ca : w, chk		0110-3L
			25	Marl : gy red		0110-2L
			15	Sh/Clst: m gy to lt gy to gn gy		0110-4L
			10	Sh/Clst: drk gy to brn blk		0110-6L
			tr	Cont : dd		0110-1L
			tr	Other : pyr		0110-5L
1340.00	swc					0033
			100	Sh/Clst: m gy, pyr		0033-1L
1341.00						0111
			55	Sh/Clst: m gy to lt gy to gn gy		0111-4L
			15	Marl : gy red, lt gy		0111-2L
			15	Ca : w, chk		0111-3L
		5.03	15	Sh/Clst: drk gy to brn blk		0111-6L
			tr	Cont : dd		0111-1L
			tr	Other : pyr		0111-5L

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 2 : Lithology description for well NOCS 7125/1-1

Depth unit of measure: m

Depth		Type			Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1347.50		swc				0034
		8.97	100	Sh/Clst: brn blk, carb		0034-1L
1350.00						0112
			95	Sh/Clst: dsk brn to dsk y brn, mic		0112-7L
			5	Sh/Clst: m gy to lt gy to gn gy		0112-4L
			tr	Cont : dd		0112-1L
			tr	Marl : gy red, lt gy		0112-2L
			tr	Ca : w, chk		0112-3L
			tr	Other : pyr		0112-5L
			tr	Sh/Clst: drk gy to brn blk		0112-6L
1356.00		swc				0035
		9.51	100	Sh/Clst: brn blk, carb		0035-1L
1359.00						0113
		9.16	100	Sh/Clst: dsk brn to dsk y brn, slt, mic		0113-4L
			tr	Marl : gy red, lt gy		0113-1L
			tr	Sh/Clst: m gy to lt gy to gn gy		0113-2L
			tr	Other : pyr		0113-3L
1368.00						0151
			90	Sh/Clst: m gy to gn gy		0151-2L
		5.33	10	Sh/Clst: drk gy to brn blk		0151-4L
			tr	Ca : pl brn to brn gy, dol		0151-1L
			tr	Sh/Clst: gy red		0151-3L
			tr	Other : pyr		0151-5L
			tr	Cont : prp		0151-6L

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 2 : Lithology description for well NOCS 7125/1-1

Depth unit of measure: m

Depth		Type			Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1377.00						0152
		11.80	90	Sh/Clst: dsk brn to dsk y brn, slt, mic		0152-1L
			10	Sh/Clst: m gy to gn gy		0152-2L
			tr	Sh/Clst: gy red		0152-3L
			tr	Sh/Clst: drk gy to brn blk		0152-4L
			tr	Other : pyr		0152-5L
			tr	Coal : blk		0152-6L
1386.00						0153
			100	Sh/Clst: dsk brn to dsk y brn, slt, mic		0153-1L
			tr	Sh/Clst: m gy to gn gy		0153-2L
			tr	Sh/Clst: drk gy to brn blk		0153-3L
			tr	Other : pyr		0153-4L
			tr	Coal : blk		0153-5L
1395.00	swc					0036
		16.10	100	Sh/Clst: brn blk, carb, slt		0036-1L
1395.00						0154
		16.80	100	Sh/Clst: dsk brn to dsk y brn, slt, mic		0154-1L
			tr	Sh/Clst: m gy to gn gy		0154-2L
			tr	Coal : blk		0154-3L
1397.50	swc					0037
		13.70	100	Sh/Clst: brn blk, carb, slt		0037-1L
1399.00	swc					0038
			100	S/Sst : w to lt gy, cem, kln		0038-1L

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 2 : Lithology description for well NOCS 7125/1-1

Depth unit of measure: m

Depth		Type			Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1400.50		swc				0039
		0.19	100	S/Sst : lt gy to gn gy, st, l		0039-1L
1402.00		swc				0040
			100	S/Sst : lt y brn, pyr, st, cem, l		0040-1L
1403.50		swc				0041
			100	S/Sst : lt y brn, st, l		0041-1L
1404.00						0155
			60	Sh/Clst: dsk brn to dsk y brn, slt, mic		0155-1L
			35	S/Sst : w, cem, l		0155-4L
			5	Sh/Clst: m gy to gn gy		0155-2L
			tr	Coal : blk		0155-3L
			tr	Other : pyr		0155-5L
1405.00		swc				0042
		0.19	100	S/Sst : lt y brn, st, l		0042-1L
1405.50		swc				0043
			100	S/Sst : lt y brn, st, l		0043-1L
1406.00		ccp				0306
			100	S/Sst : lt gy, cem		0306-1L

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GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 2 : Lithology description for well NOCS 7125/1-1

Depth unit of measure: m

Depth		Type				Trb	Sample
Int	Cvd	TOC%	%	Lithology description			
1409.25	ccp						0061
		28.20	100	Coal	: drk y brn, pyr, st		0061-1L
1416.10	ccp						0063
			100	Coal	: blk to drk y brn, st		0063-1L
1417.00	ccp						0307
			100	S/Sst	: lt y brn to drk y brn, crs, st, cem		0307-1L
			tr	Cont	: prp		0307-2L
1421.00	ccp						0308
			90	S/Sst	: brn gy		0308-1L
			10	Coal	: blk		0308-2L
1425.00	ccp						0309
			100	S/Sst	: drk y brn, st, cem		0309-1L
1431.70	ccp						0062
			90	S/Sst	: lt y brn, l		0062-1L
			10	Coal	: blk		0062-2L
1432.10	ccp						0060
			80	Coal	: blk		0060-1L
			20	S/Sst	: lt y brn, l		0060-2L

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 2 : Lithology description for well NOCS 7125/1-1

Depth unit of measure: m

Depth		Type			Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1440.00		swc				0044
			100	S/Sst : brn gy to lt y brn, st, l		0044-1L
1440.00						0156
		1.47	95	Sh/Clst: m gy to gn gy		0156-2L
			5	Sh/Clst: drk gy		0156-5L
			tr	Sh/Clst: dsk brn to dsk y brn, slt, mic		0156-1L
			tr	S/Sst : w, cem, l		0156-3L
			tr	Sh/Clst: gy red		0156-4L
			tr	Cont : prp		0156-6L
1449.00						0157
			90	S/Sst : w, l		0157-3L
			10	Sh/Clst: gn gy to m gy		0157-2L
			tr	Sh/Clst: dsk brn to dsk y brn, slt, mic		0157-1L
			tr	Sh/Clst: gy red		0157-4L
			tr	Sh/Clst: drk gy		0157-5L
			tr	Coal : blk		0157-6L
1458.00						0158
			100	S/Sst : w, l		0158-3L
			tr	Sh/Clst: dsk brn to dsk y brn, slt, mic		0158-1L
			tr	Sh/Clst: gn gy to m gy		0158-2L
			tr	Sh/Clst: gy red		0158-4L
			tr	Sh/Clst: drk gy		0158-5L
			tr	Coal : blk		0158-6L
1476.00						0159
			100	S/Sst : w, l		0159-3L
			tr	Sh/Clst: dsk brn to dsk y brn, slt, mic		0159-1L
			tr	Sh/Clst: gn gy to m gy		0159-2L
			tr	Sh/Clst: gy red		0159-4L
			tr	Sh/Clst: drk gy		0159-5L
			tr	Coal : blk		0159-6L

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 2 : Lithology description for well NOCS 7125/1-1

Depth unit of measure: m

Depth		Type			Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1494.00						0160
		0.07	90	S/Sst : w, l		0160-3L
			10	Sh/Clst: gn gy to m gy		0160-2L
			tr	Sh/Clst: dsk brn to dsk y brn, slt, mic		0160-1L
			tr	Sh/Clst: gy red		0160-4L
			tr	Sh/Clst: drk gy		0160-5L
			tr	Coal : blk		0160-6L
1512.00						0161
			95	S/Sst : w, l		0161-3L
			5	Sh/Clst: gn gy to m gy		0161-2L
			tr	Sh/Clst: dsk brn to dsk y brn, slt, mic		0161-1L
			tr	Sh/Clst: gy red		0161-4L
			tr	Sh/Clst: drk gy		0161-5L
			tr	Coal : blk		0161-6L
1539.00						0162
		0.96	90	Sh/Clst: gn gy to m gy, slt		0162-1L
			10	Sh/Clst: drk gy to brn blk		0162-4L
			tr	S/Sst : w, l		0162-2L
			tr	Sh/Clst: gy red		0162-3L
			tr	Coal : blk		0162-5L
			tr	Other : pyr		0162-6L
1557.00						0163
			50	Sh/Clst: gn gy to m gy, slt		0163-1L
			50	S/Sst : w, l		0163-2L
			tr	Sh/Clst: gy red		0163-3L
			tr	Sh/Clst: drk gy to brn blk		0163-4L
			tr	Coal : blk		0163-5L
			tr	Other : pyr		0163-6L

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 2 : Lithology description for well NOCS 7125/1-1

Depth unit of measure: m

Depth		Type			Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1575.00		swc				0045
			100	S/Sst : w to lt gy, cem		0045-1L
1584.00						0164
			85	S/Sst : w, l		0164-2L
			10	Sh/Clst: gn gy to m gy, slt		0164-1L
			5	Sh/Clst: drk gy to brn blk		0164-4L
			tr	Sh/Clst: gy red		0164-3L
			tr	Coal : blk		0164-5L
			tr	Other : pyr		0164-6L
1611.00						0165
			70	S/Sst : w to lt gy, calc, cem		0165-2L
			30	Sh/Clst: gn gy to m gy, slt		0165-1L
			tr	Sh/Clst: gy red		0165-3L
			tr	Sh/Clst: drk gy to brn blk		0165-4L
			tr	Other : pyr		0165-5L
1629.00						0166
			85	S/Sst : w to lt gy, calc, cem		0166-2L
			15	Sh/Clst: gn gy to m gy, slt		0166-1L
			tr	Sh/Clst: gy red		0166-3L
			tr	Sh/Clst: drk gy to brn blk		0166-4L
			tr	Other : pyr		0166-5L
			tr	Coal : blk		0166-6L
1647.00						0167
			55	S/Sst : w to lt gy, calc, cem		0167-2L
			40	Sh/Clst: gn gy to m gy, slt		0167-1L
			5	Ca : gy brn, dol		0167-7L
			tr	Sh/Clst: gy red		0167-3L
			tr	Sh/Clst: drk gy to brn blk		0167-4L
			tr	Cont : prp		0167-5L
			tr	Coal : blk		0167-6L

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 2 : Lithology description for well NOCS 7125/1-1

Depth unit of measure: m

Depth		Type			Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1665.00						0168
		0.21	90	Sh/Clst: lt brn gy to brn gy		0168-6L
			10	Sh/Clst: gn gy to m gy, slt		0168-1L
			tr	S/Sst : w to lt gy, calc, cem		0168-2L
			tr	Sh/Clst: gy red		0168-3L
			tr	Sh/Clst: drk gy to brn blk		0168-4L
			tr	Cont : dd		0168-5L
			tr	Ca : gy brn, dol		0168-7L
1674.00						0169
		0.26	85	Sh/Clst: lt brn gy to brn gy, lt y gn to gn gy		0169-6L
			10	Sh/Clst: m gy, slt		0169-1L
			5	S/Sst : w to lt gy, calc, cem		0169-2L
			tr	Sh/Clst: gy red		0169-3L
			tr	Sh/Clst: drk gy to brn blk		0169-4L
			tr	Cont : dd		0169-5L
1692.00						0170
			45	Sh/Clst: m gy, slt		0170-1L
			40	S/Sst : w to lt gy, calc, cem		0170-2L
			10	Sh/Clst: lt brn gy to brn gy, lt y gn to gn gy		0170-6L
			5	Cont : dd		0170-5L
			tr	Sh/Clst: gy red		0170-3L
			tr	Sh/Clst: drk gy to brn blk		0170-4L
			tr	Coal : blk		0170-7L
1694.00	swc					0046
		0.91	100	Sltst : lt gy to m gy, s		0046-1L

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GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 2 : Lithology description for well NOCS 7125/1-1

Depth unit of measure: m

Depth		Type			Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1719.00						0171
			95	S/Sst : w to lt gy, l		0171-2L
			5	Sh/Clst: m gy, slt		0171-1L
			tr	Sh/Clst: gy red		0171-3L
			tr	Sh/Clst: drk gy to brn blk		0171-4L
			tr	Cont : dd		0171-5L
			tr	Sh/Clst: lt brn gy to brn gy, lt y gn to gn gy		0171-6L
			tr	Coal : blk		0171-7L
1737.00						0172
			85	Sh/Clst: lt brn gy to brn gy, lt y gn to gn gy		0172-6L
			10	Sh/Clst: m gy, slt		0172-1L
			5	Sh/Clst: gy red		0172-3L
			tr	S/Sst : w to lt gy, l		0172-2L
			tr	Sh/Clst: drk gy to brn blk		0172-4L
			tr	Cont : prp, dd, fib		0172-5L
1764.00						0173
		0.24	85	Sh/Clst: lt brn gy to brn gy, lt y gn to gn gy		0173-6L
			5	Sh/Clst: m gy, slt		0173-1L
			5	S/Sst : w to lt gy to gn gy, cem		0173-2L
			5	Sh/Clst: gy red		0173-3L
			tr	Sh/Clst: drk gy to brn blk		0173-4L
			tr	Cont : prp, dd, fib		0173-5L
1782.00						0174
			70	S/Sst : w to lt gy, mic, cem, l, kln		0174-2L
			20	Sh/Clst: lt brn gy to brn gy, lt y gn to gn gy		0174-6L
			5	Sh/Clst: m gy, slt		0174-1L
			5	Sh/Clst: gy red		0174-3L
			tr	Sh/Clst: drk gy to brn blk		0174-4L
			tr	Coal : blk		0174-5L

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GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 2 : Lithology description for well NOCS 7125/1-1

Depth unit of measure: m

Depth		Type			Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1800.00						0175
			80	S/Sst : w to lt gy, mic, cem, l, kln		0175-2L
			20	Sh/Clst: lt brn gy to brn gy, lt y gn to gn gy		0175-6L
			tr	Sh/Clst: m gy, slt		0175-1L
			tr	Sh/Clst: gy red		0175-3L
			tr	Sh/Clst: drk gy to brn blk		0175-4L
			tr	Coal : blk		0175-5L
1809.00						0176
			75	S/Sst : w to lt gy, calc, cem, l		0176-2L
			20	Ca : lt gy to lt y brn		0176-7L
			5	Sh/Clst: lt brn gy to brn gy, lt y gn to gn gy		0176-6L
			tr	Sh/Clst: m gy, slt		0176-1L
			tr	Sh/Clst: gy red		0176-3L
			tr	Sh/Clst: drk gy to brn blk		0176-4L
			tr	Cont : tar-ad		0176-5L
1827.00						0177
			60	Sh/Clst: lt brn gy to brn gy, lt y gn to gn gy		0177-4L
			15	Sh/Clst: dsk brn		0177-3L
			15	Coal : brn blk to blk, cly		0177-6L
			10	S/Sst : w, cem		0177-2L
			tr	Sh/Clst: m gy, slt		0177-1L
			tr	Ca : lt gy to lt y brn		0177-5L
1863.00						0178
		0.32	70	Sh/Clst: lt brn gy to brn gy, lt y gn to gn gy		0178-4L
			25	Sh/Clst: m gy, slt		0178-1L
			5	S/Sst : w, cem		0178-2L
			tr	Sh/Clst: dsk brn		0178-3L
			tr	Ca : lt gy to lt y brn		0178-5L
			tr	Coal : brn blk to blk, cly		0178-6L

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GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 2 : Lithology description for well NOCS 7125/1-1

Depth unit of measure: m

Depth		Type			Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1881.00						0179
			45	Sh/Clst: lt brn gy to brn gy, lt y gn to gn gy		0179-4L
			35	S/Sst : w to lt gy, cem		0179-2L
			20	Sh/Clst: m gy, slt		0179-1L
			tr	Sh/Clst: dsk brn		0179-3L
			tr	Ca : lt gy to lt y brn		0179-5L
			tr	Sh/Clst: gy red		0179-6L
1897.00	swc					0047
		0.78	100	Sltst : m gy, s		0047-1L
1899.00						0180
			75	S/Sst : w to lt gy, cem		0180-2L
			15	Sh/Clst: lt brn gy to brn gy, lt y gn to gn gy, slt		0180-4L
			5	Sh/Clst: m gy, slt		0180-1L
			5	Sh/Clst: dsk brn		0180-3L
			tr	Sh/Clst: gy red		0180-5L
			tr	Coal : blk		0180-6L
1908.00						0181
			40	Sh/Clst: m gy		0181-1L
			40	Sh/Clst: lt brn gy to brn gy, lt y gn to gn gy, slt		0181-4L
			20	S/Sst : w to lt gy, f, cem		0181-2L
			tr	Sh/Clst: dsk brn		0181-3L
			tr	Sh/Clst: gy red		0181-5L
			tr	Coal : blk		0181-6L
			tr	Cont : prp		0181-7L

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GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 2 : Lithology description for well NOCS 7125/1-1

Depth unit of measure: m

Depth		Type			Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1926.00						0182
			80	S/Sst : lt gy, calc, cem, l		0182-2L
			10	Sh/Clst: m gy		0182-1L
			10	Sh/Clst: lt brn gy to brn gy, lt y gn to gn gy, slt		0182-4L
			tr	Sh/Clst: dsk brn		0182-3L
			tr	Sh/Clst: gy red		0182-5L
			tr	Coal : blk		0182-6L
1953.00						0183
		0.34	80	Sh/Clst: gn gy to lt gy, calc		0183-3L
			20	S/Sst : lt gy, calc, f, cem		0183-2L
			tr	Sh/Clst: m gy		0183-1L
			tr	Sh/Clst: lt brn gy to brn gy, lt y gn to gn gy, slt		0183-4L
			tr	Sh/Clst: gy red		0183-5L
1954.50	swc					0048
		0.31	100	Sltst : m gy		0048-1L
1971.00						0184
			50	Sh/Clst: gn gy to lt gy, calc		0184-3L
			50	Marl : lt gn gy		0184-6L
			tr	Sh/Clst: m gy		0184-1L
			tr	S/Sst : lt gy, calc, f, cem		0184-2L
			tr	Sh/Clst: lt brn gy to brn gy, lt y gn to gn gy, slt		0184-4L
			tr	Sh/Clst: gy red		0184-5L
			tr	Cont : prp		0184-7L

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GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 2 : Lithology description for well NOCS 7125/1-1

Depth unit of measure: m

Depth		Type			Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1998.00						0185
			55	Sh/Clst: gn gy to lt gy, calc		0185-3L
			20	S/Sst : w to brn gy, calc, f, cem		0185-2L
			15	Marl : lt gn gy		0185-6L
			10	Ca : w to lt gy		0185-7L
			tr	Sh/Clst: m gy		0185-1L
			tr	Sh/Clst: lt brn gy to brn gy, lt y gn to gn gy, slt		0185-4L
			tr	Sh/Clst: gy red		0185-5L
2005.00		swc				0049
		0.30	100	Sh/Clst: m gy to drk gy, calc		0049-1L
2016.00						0186
			40	S/Sst : w to lt gy, calc, f, cem		0186-2L
			35	Sh/Clst: gn gy to lt gy, calc		0186-3L
			10	Sh/Clst: m gy to brn gy, slt		0186-1L
			5	Sh/Clst: gy red, calc		0186-5L
			5	Marl : lt gn gy		0186-6L
			5	Ca : w to lt gy		0186-7L
			tr	Sh/Clst: lt brn gy to brn gy, lt y gn to gn gy, slt		0186-4L
2043.00						0187
		0.85	65	Sh/Clst: m gy to brn gy, slt		0187-1L
			15	Sh/Clst: gy red to dsk y		0187-5L
			10	Sh/Clst: gn gy to lt gy, calc		0187-3L
			5	S/Sst : w to lt gy, calc, f, cem		0187-2L
			5	Marl : lt gn gy		0187-6L
			tr	Sh/Clst: lt brn gy to brn gy, lt y gn to gn gy, slt		0187-4L
			tr	Ca : w to lt gy		0187-7L
			tr	Cont : prp		0187-8L

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Table 2 : Lithology description for well NOCS 7125/1-1

Depth unit of measure: m

Depth		Type			Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2055.00		swc				0050
			100	Sh/Clst: gy red, l		0050-1L
2061.00						0188
			65	Sh/Clst: gn gy to lt gy		0188-3L
			20	Sh/Clst: gy red to dsk y		0188-4L
			15	Sh/Clst: m gy		0188-1L
			tr	S/Sst : w to lt gy, calc, f, cem		0188-2L
			tr	Marl : lt gn gy		0188-5L
			tr	Ca : w to lt gy		0188-6L
2088.00						0189
		1.11	80	Sh/Clst: m gy		0189-1L
			20	Cont : prp, dd, tar-ad		0189-5L
			tr	S/Sst : w to lt gy, calc, f, cem		0189-2L
			tr	Sh/Clst: gn gy to lt gy		0189-3L
			tr	Sh/Clst: gy red to dsk y		0189-4L
2105.50		swc				0051
			100	S/Sst : w to lt gy, st, l		0051-1L
2106.00						0190
			65	S/Sst : w, cem		0190-2L
			35	Sh/Clst: m gy to brn gy, slt, mic		0190-1L
			tr	Sh/Clst: gn gy to lt gy		0190-3L
			tr	Sh/Clst: gy red to dsk y		0190-4L
			tr	Cont : prp		0190-5L

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GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 2 : Lithology description for well NOCS 7125/1-1

Depth unit of measure: m

Depth		Type			Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2110.50	swc					0052
			100	Sh/Clst: brn gy to dsk brn		0052-1L
2133.00						0191
			55	S/Sst : w, cem		0191-2L
		0.98	40	Sh/Clst: m gy to brn gy, slt, mic		0191-1L
			5	Sh/Clst: gn gy to lt gy		0191-3L
			tr	Sh/Clst: gy red to dsk y		0191-4L
			tr	Cont : prp		0191-5L
			tr	Coal : blk		0191-6L
2133.50	swc					0053
			100	S/Sst : lt gy, carb, pyr, l		0053-1L
2151.00						0192
			80	S/Sst : w, cem, l		0192-2L
			20	Sh/Clst: m gy to brn gy, slt, mic		0192-1L
			tr	Sh/Clst: gn gy to lt gy		0192-3L
			tr	Sh/Clst: gy red to dsk y		0192-4L
			tr	Other : pyr		0192-5L
			tr	Coal : blk		0192-6L
2175.00	swc					0054
			100	S/Sst : m gy, slt, lam		0054-1L
2178.00						0193
			85	S/Sst : w to lt gy, calc, cem		0193-2L
			15	Sltst : brn gy, s, mic		0193-3L
			tr	Sh/Clst: m gy to brn gy, slt, mic		0193-1L
			tr	Sh/Clst: gy red to dsk y		0193-4L
			tr	Coal : blk		0193-5L

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 2 : Lithology description for well NOCS 7125/1-1

Depth unit of measure: m

Depth		Type			Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2196.00						0194
		1.52	65	Sltst : brn gy, mic		0194-3L
			35	S/Sst : w to lt gy, calc, cem, l		0194-2L
			tr	Sh/Clst: m gy to brn gy, slt, mic		0194-1L
			tr	Other : pyr		0194-4L

DESCRIPTION OF SAMPLES AS GIVEN BY SAGA PETROLEUM A/S

Sample ref. 0283-OB:	1.1	Block with fault plane
Sample ref. 0284-OB:	1A	Low angle fault plane with weak slickensides
Sample ref. 0285-OB:	1B	Sample 2 cm from 1A
Sample ref. 0286-OB:	2A	"Thick" cement vein
Sample ref. 0287-OB:	2B	Thin cement vein
Sample ref. 0288-OB:	3A	Fractured block
Sample ref. 0289-OB:	3B	Calcite (?) layers
Sample ref. 0290-OB:	4A	Fault plane
Sample ref. 0291-OB:	5A	Fault plane

Table 3 : Rock-Eval table for well NOCS 7125/1-1

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1314.00	cut	Sh/Clst: drk gy	0.08	2.03	0.34	5.97	2.56	79	13	2.1	0.04	437	0109-6L
1323.00	cut	Sh/Clst: drk gy to brn blk	0.26	6.54	0.19	34.42	6.54	100	3	6.8	0.04	438	0150-4L
1341.00	cut	Sh/Clst: drk gy to brn blk	0.32	4.44	0.38	11.68	5.03	88	8	4.8	0.07	439	0111-6L
1347.50	swc	Sh/Clst: brn blk	1.86	35.81	0.69	51.90	8.97	399	8	37.7	0.05	428	0034-1L
1356.00	swc	Sh/Clst: brn blk	2.36	35.84	0.71	50.48	9.51	377	7	38.2	0.06	424	0035-1L
1359.00	cut	Sh/Clst: dsk brn to dsk y brn	2.00	29.32	0.44	66.64	9.16	320	5	31.3	0.06	425	0113-4L
1360.00	ccp	bulk	2.52	33.33	0.37	90.08	8.68	384	4	35.9	0.07	426	0301-0B
1361.00	ccp	bulk	2.13	33.15	0.40	82.88	9.00	368	4	35.3	0.06	426	0302-0B
1361.95	ccp	bulk	3.78	44.76	0.38	117.79	11.30	396	3	48.5	0.08	423	0297-0B
1363.00	ccp	bulk	2.78	35.07	0.35	100.20	10.10	347	3	37.8	0.07	425	0298-0B
1364.00	ccp	bulk	4.06	45.84	0.52	88.15	13.60	337	4	49.9	0.08	421	0292-0B
1365.00	ccp	bulk	5.98	63.44	0.75	84.59	19.40	327	4	69.4	0.09	419	0299-0B
1366.00	ccp	bulk	3.21	46.39	0.40	115.97	12.10	383	3	49.6	0.06	424	0300-0B
1367.50	ccp	bulk	6.19	55.80	0.48	116.25	16.90	330	3	62.0	0.10	420	0293-0B
1368.00	cut	Sh/Clst: drk gy to brn blk	0.33	9.02	0.47	19.19	5.33	169	9	9.4	0.04	434	0151-4L

Table 3 : Rock-Eval table for well NOCS 7125/1-1

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1368.50	ccp	bulk	2.63	37.67	0.53	71.08	9.24	408	6	40.3	0.07	431	0294-0B
1369.50	ccp	bulk	3.09	43.45	0.41	105.98	10.70	406	4	46.5	0.07	427	0295-0B
1370.50	ccp	bulk	3.55	49.23	0.43	114.49	12.30	400	3	52.8	0.07	426	0296-0B
1377.00	cut	Sh/Clst: dsk brn to dsk y brn	3.69	34.55	0.50	69.10	11.80	293	4	38.2	0.10	424	0152-1L
1395.00	swc	Sh/Clst: brn blk	5.36	49.19	0.90	54.66	16.10	306	6	54.5	0.10	422	0036-1L
1395.00	cut	Sh/Clst: dsk brn to dsk y brn	5.63	42.84	0.44	97.36	16.80	255	3	48.5	0.12	419	0154-1L
1397.50	swc	Sh/Clst: brn blk	3.77	41.20	1.06	38.87	13.70	301	8	45.0	0.08	421	0037-1L
1400.50	swc	S/Sst : lt gy to gn gy	0.07	0.08	0.64	0.13	0.19	42	337	0.2	0.47	464	0039-1L
1405.00	swc	S/Sst : lt y brn	0.71	0.04	0.78	0.05	0.19	21	411	0.8	0.95	274	0042-1L
1409.25	ccp	Coal : drk y brn	15.00	83.43	5.83	14.31	28.20	296	21	98.4	0.15	427	0061-1L
1440.00	cut	Sh/Clst: m gy to gn gy	0.01	0.23	0.07	3.29	1.47	16	5	0.2	0.04	441	0156-2L
1494.00	cut	S/Sst : w	-	0.01	0.16	0.06	0.07	14	229	-	-	422	0160-3L
1539.00	cut	Sh/Clst: gn gy to m gy	0.01	0.19	0.20	0.95	0.96	20	21	0.2	0.05	432	0162-1L
1665.00	cut	Sh/Clst: lt brn gy to brn gy	-	0.05	0.13	0.38	0.21	24	62	0.1	-	411	0168-6L
1674.00	cut	Sh/Clst: lt brn gy to brn gy, lt y gn to gn gy	-	0.06	0.07	0.86	0.26	23	27	0.1	-	362	0169-6L

Table 3 : Rock-Eval table for well NOCS 7125/1-1

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1694.00	swc	Sltst : lt gy to m gy	0.21	0.77	0.39	1.97	0.91	85	43	1.0	0.21	440	0046-1L
1764.00	cut	Sh/Clst: lt brn gy to brn gy, lt y gn to gn gy	-	0.04	0.05	0.80	0.24	17	21	-	-	423	0173-6L
1863.00	cut	Sh/Clst: lt brn gy to brn gy, lt y gn to gn gy	-	0.06	0.09	0.67	0.32	19	28	0.1	-	396	0178-4L
1897.00	swc	Sltst : m gy	0.21	0.55	0.18	3.06	0.78	71	23	0.8	0.28	441	0047-1L
1953.00	cut	Sh/Clst: gn gy to lt gy	-	0.07	0.10	0.70	0.34	21	29	0.1	-	455	0183-3L
1954.50	swc	Sltst : m gy	0.10	0.30	0.08	3.75	0.31	97	26	0.4	0.25	479	0048-1L
2005.00	swc	Sh/Clst: m gy to drk gy	0.33	0.18	0.32	0.56	0.30	60	107	0.5	0.65	365	0049-1L
2043.00	cut	Sh/Clst: m gy to brn gy	0.05	0.42	0.11	3.82	0.85	49	13	0.5	0.11	441	0187-1L
2088.00	cut	Sh/Clst: m gy	0.07	0.99	0.14	7.07	1.11	89	13	1.1	0.07	443	0189-1L
2133.00	cut	Sh/Clst: m gy to brn gy	0.11	0.70	0.15	4.67	0.98	71	15	0.8	0.14	440	0191-1L
2196.00	cut	Sltst : brn gy	0.20	1.34	1.20	1.12	1.52	88	79	1.5	0.13	443	0194-3L

Table 4 a: Weight of EOM and Chromatographic Fraction for well NOCS 7125/1-1

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
1347.50	swc	Sh/Clst: brn blk	9.7	145.1	11.1	34.5	45.0	54.5	45.6	99.5	14.50	0034-1L
1359.00	cut	Sh/Clst: dsk brn to dsk y brn	9.4	49.4	6.4	9.6	13.7	19.7	16.1	33.4	8.62	0113-4L
1360.35	ccp	bulk	8.6	80.4	6.2	32.3	31.2	10.7	38.5	41.9	7.23	0288-0B
1366.00	ccp	bulk	8.0	47.1	13.7	12.9	14.0	6.5	26.6	20.5	12.60	0290-0B
1367.00	ccp	bulk	9.9	29.1	1.8	6.9	15.3	5.1	8.7	20.4	1.40	0291-0B
1367.28	ccp	bulk	9.2	90.2	1.3	3.7	8.2	77.0	5.0	85.2	12.90	0286-0B
1368.20	ccp	bulk	8.7	85.1	1.3	4.5	20.4	58.9	5.8	79.3	12.00	0283-0B
1368.20	ccp	bulk	8.1	57.6	3.2	11.9	24.6	18.0	15.0	42.6	11.00	0284-0B
1368.20	ccp	bulk	9.1	81.9	7.8	20.7	30.0	23.4	28.5	53.4	11.70	0285-0B
1377.00	cut	Sh/Clst: dsk brn to dsk y brn	9.4	133.6	9.9	30.5	34.1	59.1	40.4	93.2	12.40	0152-1L
1395.00	cut	Sh/Clst: dsk brn to dsk y brn	8.0	82.1	12.7	11.5	23.7	34.2	24.2	57.9	9.02	0154-1L
1397.50	swc	Sh/Clst: brn blk	8.9	116.9	5.9	23.8	65.7	21.5	29.7	87.2	13.40	0037-1L
1399.00	swc	S/Sst : w to lt gy	13.4	2.7	0.2	0.6	0.8	1.2	0.8	2.0	0.17	0038-1L
1400.50	swc	S/Sst : lt gy to gn gy	12.4	3.5	0.8	0.3	0.6	1.9	1.1	2.5	0.14	0039-1L

Table 4 a: Weight of EOM and Chromatographic Fraction for well NOCS 7125/1-1

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
1402.00	swc	S/Sst : lt y brn	11.9	6.8	3.0	0.9	0.9	2.0	3.9	2.9	0.18	0040-1L
1403.50	swc	S/Sst : lt y brn	7.8	32.0	9.1	6.3	0.4	16.2	15.4	16.5	0.27	0041-1L
1403.80	oil	bulk	-	82.4	43.5	8.1	1.4	29.4	51.6	30.8	-	0305-0B
1405.00	swc	S/Sst : lt y brn	12.0	20.3	12.6	0.8	1.8	5.1	13.4	6.9	0.18	0042-1L
1406.00	ccp	S/Sst : lt gy	11.0	10.0	7.1	1.9	0.5	0.5	9.0	1.0	0.22	0306-1L
1417.00	ccp	S/Sst : lt y brn to drk y brn	11.9	28.6	10.8	2.5	0.7	14.6	13.3	15.3	0.15	0307-1L
1421.00	ccp	S/Sst : brn gy	9.4	33.1	17.4	5.4	4.4	5.9	22.8	10.3	1.61	0308-1L
1425.00	ccp	S/Sst : drk y brn	11.9	42.0	14.1	3.3	1.0	23.6	17.4	24.6	0.17	0309-1L
1440.00	swc	S/Sst : brn gy to lt y brn	11.1	1.4	0.2	0.2	0.3	0.8	0.3	1.1	0.09	0044-1L
2105.50	swc	S/Sst : w to lt gy	12.6	8.5	4.1	1.0	0.5	2.9	5.1	3.4	0.17	0051-1L
2133.50	swc	S/Sst : lt gy	11.4	20.0	3.6	3.9	3.9	8.6	7.5	12.5	2.82	0053-1L

Table 4 b: Concentration of EOM and Chromatographic Fraction (wt ppm rock) for well NOCS 7125/1-1

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
1347.50	swc	Sh/Clst: brn blk	14958	1147	3552	4639	5619	4700	10258	0034-1L
1359.00	cut	Sh/Clst: dsk brn to dsk y brn	5277	685	1028	1463	2099	1714	3563	0113-4L
1360.35	ccp	bulk	9311	719	3736	3615	1239	4456	4855	0288-0B
1366.00	ccp	bulk	5865	1711	1602	1743	808	3313	2551	0290-0B
1367.00	ccp	bulk	2927	181	694	1539	513	875	2052	0291-0B
1367.28	ccp	bulk	9772	141	404	888	8338	546	9226	0286-0B
1368.20	ccp	bulk	9770	150	513	2342	6764	663	9106	0283-0B
1368.20	ccp	bulk	7067	386	1453	3018	2208	1840	5226	0284-0B
1368.20	ccp	bulk	8950	856	2261	3278	2554	3118	5832	0285-0B
1377.00	cut	Sh/Clst: dsk brn to dsk y brn	14212	1050	3246	3627	6288	4296	9915	0152-1L
1395.00	cut	Sh/Clst: dsk brn to dsk y brn	10275	1589	1441	2966	4277	3031	7244	0154-1L
1397.50	swc	Sh/Clst: brn blk	13149	668	2672	7390	2418	3340	9808	0037-1L
1399.00	swc	S/Sst : w to lt gy	201	11	44	59	85	56	145	0038-1L
1400.50	swc	S/Sst : lt gy to gn gy	282	60	24	48	149	84	197	0039-1L

Table 4 b: Concentration of EOM and Chromatographic Fraction (wt ppm rock) for well NOCS 7125/1-1

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
1402.00	swc	S/Sst : lt y brn	572	252	75	75	168	328	244	0040-1L
1403.50	swc	S/Sst : lt y brn	4123	1179	811	51	2081	1990	2132	0041-1L
1403.80	oil	bulk	-	-	-	-	-	-	-	0305-0B
1405.00	swc	S/Sst : lt y brn	1690	1049	62	149	428	1111	578	0042-1L
1406.00	ccp	S/Sst : lt gy	909	645	172	45	45	818	90	0306-1L
1417.00	ccp	S/Sst : lt y brn to drk y brn	2403	907	210	58	1226	1117	1285	0307-1L
1421.00	ccp	S/Sst : brn gy	3521	1851	574	468	627	2425	1095	0308-1L
1425.00	ccp	S/Sst : drk y brn	3529	1184	277	84	1983	1462	2067	0309-1L
1440.00	swc	S/Sst : brn gy to lt y brn	126	13	13	27	72	27	99	0044-1L
2105.50	swc	S/Sst : w to lt gy	675	321	83	39	230	405	270	0051-1L
2133.50	swc	S/Sst : lt gy	1754	315	342	342	754	657	1096	0053-1L

Table 4 c: Concentration of EOM and Chromatographic Fraction (mg/g TOC(e)) for well NOCS 7125/1-1

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
1347.50	swc	Sh/Clst: brn blk	103.16	7.91	24.50	31.99	38.76	32.41	70.75	0034-1L
1359.00	cut	Sh/Clst: dsk brn to dsk y brn	61.23	7.96	11.94	16.98	24.35	19.89	41.33	0113-4L
1360.35	ccp	bulk	128.79	9.95	51.69	50.00	17.15	61.64	67.15	0288-0B
1366.00	ccp	bulk	46.55	13.58	12.72	13.84	6.41	26.30	20.25	0290-0B
1367.00	ccp	bulk	209.11	12.93	49.58	109.95	36.65	62.52	146.59	0291-0B
1367.28	ccp	bulk	75.76	1.10	3.13	6.89	64.64	4.23	71.52	0286-0B
1368.20	ccp	bulk	81.42	1.25	4.28	19.52	56.37	5.53	75.89	0283-0B
1368.20	ccp	bulk	64.25	3.51	13.22	27.44	20.08	16.73	47.52	0284-0B
1368.20	ccp	bulk	76.50	7.32	19.33	28.02	21.83	26.65	49.85	0285-0B
1377.00	cut	Sh/Clst: dsk brn to dsk y brn	114.62	8.47	26.18	29.26	50.71	34.65	79.97	0152-1L
1395.00	cut	Sh/Clst: dsk brn to dsk y brn	113.92	17.62	15.98	32.88	47.43	33.61	80.31	0154-1L
1397.50	swc	Sh/Clst: brn blk	98.13	4.99	19.95	55.15	18.05	24.93	73.20	0037-1L
1399.00	swc	S/Sst : w to lt gy	118.70	6.59	26.38	35.17	50.56	32.97	85.73	0038-1L
1400.50	swc	S/Sst : lt gy to gn gy	201.61	43.20	17.28	34.56	106.57	60.48	141.13	0039-1L

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Table 4 c: Concentration of EOM and Chromatographic Fraction (mg/g TOC(e)) for well NOCS 7125/1-1

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
1402.00	swc	S/Sst : lt y brn	318.26	140.41	42.12	42.12	93.61	182.53	135.73	0040-1L
1403.50	swc	S/Sst : lt y brn	1527.30	436.71	300.69	19.09	770.81	737.40	789.90	0041-1L
1403.80	oil	bulk	-	-	-	-	-	-	-	0305-0B
1405.00	swc	S/Sst : lt y brn	939.03	582.85	34.69	83.26	238.23	617.54	321.49	0042-1L
1406.00	ccp	S/Sst : lt gy	413.22	293.39	78.51	20.66	20.66	371.90	41.32	0306-1L
1417.00	ccp	S/Sst : lt y brn to drk y brn	1602.24	605.04	140.06	39.22	817.93	745.10	857.14	0307-1L
1421.00	ccp	S/Sst : brn gy	218.71	114.97	35.68	29.07	38.99	150.65	68.06	0308-1L
1425.00	ccp	S/Sst : drk y brn	2076.12	696.98	163.12	49.43	1166.58	860.11	1216.02	0309-1L
1440.00	swc	S/Sst : brn gy to lt y brn	140.14	15.02	15.02	30.03	80.08	30.03	110.11	0044-1L
2105.50	swc	S/Sst : w to lt gy	397.46	189.38	49.10	23.38	135.60	238.47	158.98	0051-1L
2133.50	swc	S/Sst : lt gy	62.21	11.20	12.13	12.13	26.75	23.33	38.88	0053-1L

Table 4 d: Composition of material extracted from the rock (%) for well NOCS 7125/1-1

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
1347.50	swc	Sh/Clst: brn blk	7.67	23.75	31.01	37.57	31.42	68.58	32.30	45.81	0034-1L
1359.00	cut	Sh/Clst: dsk brn to dsk y brn	13.00	19.49	27.73	39.78	32.49	67.51	66.67	48.13	0113-4L
1360.35	ccp	bulk	7.73	40.13	38.83	13.32	47.86	52.14	19.26	91.79	0288-0B
1366.00	ccp	bulk	29.17	27.32	29.72	13.78	56.50	43.50	106.76	129.87	0290-0B
1367.00	ccp	bulk	6.19	23.71	52.58	17.53	29.90	70.10	26.09	42.65	0291-0B
1367.28	ccp	bulk	1.45	4.14	9.09	85.32	5.59	94.41	35.12	5.92	0286-0B
1368.20	ccp	bulk	1.54	5.25	23.97	69.24	6.79	93.21	29.31	7.29	0283-0B
1368.20	ccp	bulk	5.47	20.57	42.71	31.25	26.04	73.96	26.58	35.21	0284-0B
1368.20	ccp	bulk	9.57	25.26	36.63	28.53	34.84	65.16	37.89	53.46	0285-0B
1377.00	cut	Sh/Clst: dsk brn to dsk y brn	7.39	22.84	25.52	44.24	30.23	69.77	32.34	43.33	0152-1L
1395.00	cut	Sh/Clst: dsk brn to dsk y brn	15.47	14.03	28.87	41.63	29.50	70.50	110.24	41.85	0154-1L
1397.50	swc	Sh/Clst: brn blk	5.08	20.33	56.20	18.39	25.41	74.59	25.00	34.06	0037-1L
1399.00	swc	S/Sst : w to lt gy	5.56	22.22	29.63	42.59	27.78	72.22	25.00	38.46	0038-1L
1400.50	swc	S/Sst : lt gy to gn gy	21.43	8.57	17.14	52.86	30.00	70.00	250.00	42.86	0039-1L

Table 4 d: Composition of material extracted from the rock (%) for well NOCS 7125/1-1

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
1402.00	swc	S/Sst : lt y brn	44.12	13.24	13.24	29.41	57.35	42.65	333.33	134.48	0040-1L
1403.50	swc	S/Sst : lt y brn	28.59	19.69	1.25	50.47	48.28	51.72	145.24	93.35	0041-1L
1403.80	oil	bulk	52.79	9.83	1.70	35.68	62.62	37.38	537.04	167.53	0305-0B
1405.00	swc	S/Sst : lt y brn	62.07	3.69	8.87	25.37	65.76	34.24	1680.00	192.09	0042-1L
1406.00	ccp	S/Sst : lt gy	71.00	19.00	5.00	5.00	90.00	10.00	373.68	900.00	0306-1L
1417.00	ccp	S/Sst : lt y brn to drk y brn	37.76	8.74	2.45	51.05	46.50	53.50	432.00	86.93	0307-1L
1421.00	ccp	S/Sst : brn gy	52.57	16.31	13.29	17.82	68.88	31.12	322.22	221.36	0308-1L
1425.00	ccp	S/Sst : drk y brn	33.57	7.86	2.38	56.19	41.43	58.57	427.27	70.73	0309-1L
1440.00	swc	S/Sst : brn gy to lt y brn	10.71	10.71	21.43	57.14	21.43	78.57	100.00	27.27	0044-1L
2105.50	swc	S/Sst : w to lt gy	47.65	12.35	5.88	34.12	60.00	40.00	385.71	150.00	0051-1L
2133.50	swc	S/Sst : lt gy	18.00	19.50	19.50	43.00	37.50	62.50	92.31	60.00	0053-1L

Table 5 : Saturated Hydrocarbon Ratios for well NOCS 7125/1-1

Depth unit of measure: m

Depth	Typ	Lithology	Pristane / nC17	Pristane / Phytane	nC17 / nC27	Phytane / nC18	CPI1	CPI2	DI	Sample
1347.50	swc	Sh/Clst: brn blk	3.18	1.53	2.79	3.16	1.22	1.41	0.25	0034-1L
1359.00	cut	Sh/Clst: dsk brn to dsk y brn	4.18	2.07	1.78	2.97	1.17	1.29	0.26	0113-4L
1360.35	ccp	bulk	5.75	1.60	1.92	5.07	1.34	1.46	0.20	0288-0B
1366.00	ccp	bulk	3.32	1.46	1.76	2.91	1.07	1.21	0.25	0290-0B
1367.00	ccp	bulk	4.81	1.44	1.89	4.72	1.20	1.31	0.23	0291-0B
1367.28	ccp	bulk	4.45	1.47	1.61	4.14	1.19	1.32	0.19	0286-0B
1368.20	ccp	bulk	3.73	1.26	2.05	3.55	1.11	1.23	0.20	0283-0B
1368.20	ccp	bulk	3.94	1.37	1.97	3.87	1.14	1.32	0.23	0284-0B
1368.20	ccp	bulk	3.97	1.33	1.85	3.90	1.10	1.26	0.25	0285-0B
1377.00	cut	Sh/Clst: dsk brn to dsk y brn	3.33	1.31	2.24	3.26	1.08	1.19	0.32	0152-1L
1395.00	cut	Sh/Clst: dsk brn to dsk y brn	4.16	2.29	1.25	2.82	1.43	1.65	0.25	0154-1L
1403.50	swc	S/Sst : lt y brn	1.74	1.94	40.89	1.11	1.62	-	0.22	0041-1L
1403.80	oil	bulk	1.24	2.15	43.00	0.86	1.29	1.15	0.27	0305-0B
1405.00	swc	S/Sst : lt y brn	1.31	1.89	13.43	0.89	1.10	1.13	0.26	0042-1L

Table 5 : Saturated Hydrocarbon Ratios for well NOCS 7125/1-1

Depth unit of measure: m

Depth	Typ	Lithology	Pristane / nC17	Pristane / Phytane	nC17 / nC27	Phytane / nC18	CPI1	CPI2	DI	Sample
1406.00	ccp	S/Sst : lt gy	1.14	1.53	16.33	0.76	1.39	1.14	0.18	0055-1L
1417.00	ccp	S/Sst : lt y brn to drk y brn	1.05	1.87	43.30	0.69	1.53	1.01	0.35	0009-1L
1421.00	ccp	S/Sst : brn gy	0.98	1.85	52.10	0.65	1.63	0.98	0.29	0003-1L
1425.00	ccp	S/Sst : drk y brn	1.08	1.51	30.50	0.78	1.97	1.03	0.28	0018-1L
2133.50	swc	S/Sst : lt gy	1.00	1.66	8.20	0.68	1.04	1.01	0.34	0053-1L

Table 6 : Aromatic Hydrocarbon Ratios for well NOCS 7125/1-1

Depth unit of measure: m

Depth	Typ	Lithology	MNR	DMNR	BPhR	2/1MP	MPI1	MPI2	Rc	DBT/P	4/1MDBT	(3+2) /1MDBT	Sample
1347.50	swc	Sh/Clst: brn blk	1.24	1.83	0.14	1.05	0.86	0.81	0.92	1.27	1.49	0.56	0034-1L
1359.00	cut	Sh/Clst: dsk brn to dsk y brn	0.91	1.10	0.12	0.78	0.84	0.69	0.90	0.90	0.41	0.20	0113-4L
1360.35	ccp	bulk	1.16	1.80	0.16	1.02	0.99	0.87	0.99	1.53	1.87	0.50	0288-0B
1366.00	ccp	bulk	0.98	1.05	0.18	0.91	0.97	0.84	0.98	1.15	0.55	0.25	0290-0B
1367.00	ccp	bulk	0.94	1.53	0.13	1.05	0.96	0.86	0.98	1.65	2.20	0.54	0291-0B
1367.28	ccp	bulk	0.63	1.40	0.05	0.76	0.83	0.64	0.90	1.46	2.26	0.53	0286-0B
1368.20	ccp	bulk	-	0.89	-	0.90	0.76	0.73	0.86	1.12	1.37	0.49	0283-0B
1368.20	ccp	bulk	1.15	1.89	0.14	0.86	0.91	0.71	0.95	1.61	1.64	0.49	0284-0B
1368.20	ccp	bulk	1.19	1.62	0.18	1.07	1.01	0.90	1.01	1.50	1.55	0.47	0285-0B
1377.00	cut	Sh/Clst: dsk brn to dsk y brn	1.09	1.54	0.15	0.80	0.87	0.65	0.92	1.45	1.32	0.43	0152-1L
1395.00	cut	Sh/Clst: dsk brn to dsk y brn	1.20	1.27	0.12	1.01	0.86	0.83	0.92	0.89	0.50	0.29	0154-1L
1403.50	swc	S/Sst : lt y brn	-	0.35	-	1.35	0.74	0.77	0.84	0.83	1.50	1.03	0041-1L
1403.80	oil	bulk	1.48	1.14	-	-	-	-		0.74	-	-	0305-0B
1405.00	swc	S/Sst : lt y brn	-	0.47	-	1.09	0.87	0.88	0.92	0.83	1.65	0.89	0042-1L
1406.00	ccp	S/Sst : lt gy	-	0.90	-	1.04	0.80	0.82	0.88	0.59	2.31	0.80	0306-1L

Table 6 : Aromatic Hydrocarbon Ratios for well NOCS 7125/1-1

Depth unit of measure: m

Depth	Typ	Lithology	MNR	DMNR	BPhR	2/1MP	MPI1	MPI2	Rc	DBT/P	4/1MDBT	(3+2) /1MDBT	Sample
1417.00	ccp	S/Sst : lt y brn to drk y brn	-	0.57	-	1.12	0.81	0.83	0.89	0.76	1.64	0.90	0307-1L
1421.00	ccp	S/Sst : brn gy	1.36	1.50	-	1.08	0.54	0.61	0.72	0.40	1.93	1.12	0308-1L
1425.00	ccp	S/Sst : drk y brn	-	0.56	-	1.09	0.84	0.86	0.90	0.78	1.63	0.88	0309-1L
2133.50	swc	S/Sst : lt gy	-	1.53	0.15	1.18	0.64	0.78	0.78	0.25	5.92	4.69	0053-1L

Table 7 : Thermal Maturity Data for well NOCS 7125/1-1

Depth unit of measure: m

Depth	Typ	Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	Tmax (°C)	Sample
829.00	cut	bulk	0.42	3	0.01	4	-	-	0119-0B
856.00	cut	bulk	0.44	9	0.06	4	-	-	0121-0B
901.00	cut	bulk	0.38	2	0.03	4	-	-	0123-0B
955.00	cut	bulk	0.47	8	0.05	4	-	-	0126-0B
1000.00	cut	bulk	0.48	7	0.04	4.5	-	-	0128-0B
1054.00	cut	bulk	0.51	6	0.03	4	-	-	0131-0B
1099.00	cut	bulk	0.47	9	0.08	4	-	-	0134-0B
1126.00	cut	bulk	0.50	5	0.06	4	-	-	0135-0B
1150.00	swc	bulk	NDP	-	-	5 (??)	-	-	0028-0B
1198.00	cut	bulk	NDP	-	-	NDP	-	-	0139-0B
1243.00	cut	bulk	NDP	-	-	4 (?)	-	-	0144-0B
1278.00	cut	bulk	NDP	-	-	5 (?)	-	-	0148-0B
1314.00	cut	bulk	0.56	14	0.05	5	-	-	0109-0B
1317.00	swc	bulk	NDP	-	-	NDP	-	-	0031-0B

Table 7 : Thermal Maturity Data for well NOCS 7125/1-1

Depth unit of measure: m

Depth	Typ	Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	Tmax (°C)	Sample
1356.00	swc	bulk	0.55	18	0.06	5	-	-	0035-0B
1359.00	cut	bulk	0.50	19	0.08	5.5	-	-	0113-0B
1386.00	cut	bulk	0.52	67	0.03	6	-	-	0153-0B
1409.25	ccp	bulk	0.56	26	0.06	6 (?)	-	-	0061-0B
1416.10	ccp	bulk	0.44	31	0.02	5	-	-	0063-0B
1421.00	ccp	bulk	0.42	32	0.05	-	-	-	0308-0B
1431.70	ccp	bulk	0.50	22	0.07	NDP	-	-	0062-0B
1432.10	ccp	bulk	0.50	20	0.05	6	-	-	0060-0B
1494.00	cut	bulk	NDP	-	-	6 (??)	-	-	0160-0B
1539.00	cut	bulk	0.58	2	0.09	5	-	-	0162-0B
1575.00	swc	bulk	0.49	22	0.08	5	-	-	0045-0B
1665.00	cut	bulk	0.59	3	0.01	NDP	-	-	0168-0B
1694.00	swc	bulk	0.60	12	0.08	6	-	-	0046-0B
1764.00	cut	bulk	NDP	-	-	6	-	-	0173-0B

Table 7 : Thermal Maturity Data for well NOCS 7125/1-1

Depth unit of measure: m

Depth	Typ	Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	Tmax (°C)	Sample
1809.00	cut	bulk	0.65	15	0.07	6	-	-	0176-0B
1863.00	cut	bulk	NDP	-	-	6	-	-	0178-0B
1897.00	swc	bulk	0.62	2	0.09	6	-	-	0047-0B
1954.50	swc	bulk	NDP	-	-	6	-	-	0048-0B
2005.00	swc	bulk	NDP	-	-	6	-	-	0049-0B
2055.00	swc	bulk	0.60	1	0.00	6	-	-	0050-0B
2088.00	cut	bulk	0.59	5	0.09	5.5	-	-	0189-0B
2110.50	swc	bulk	0.60	26	0.05	6	-	-	0052-0B
2175.00	swc	bulk	0.67	23	0.05	6	-	-	0054-0B
2196.00	cut	bulk	0.62	24	0.07	6	-	-	0194-0B

Table 8 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 7125/1-1

Depth unit of measure: m

Depth	Typ	Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
1045.00	swc	Sh/Clst: drk gy	6.06	49.01	43.89	1.04	-	0026-1L
1134.00	swc	Sh/Clst: drk gy	4.98	27.73	62.58	4.72	-	0027-1L
1150.00	swc	Sh/Clst: drk gy	-	-	-	-	-	0028-1L
1200.00	swc	Sh/Clst: drk gy	-	-	-	-	-	0029-1L
1282.00	swc	Sh/Clst: gy red to m gy	-	-	-	-	-	0030-1L
1317.00	swc	Sh/Clst: brn gy	4.66	55.20	35.27	4.88	-	0031-1L
1327.50	swc	Sh/Clst: gy red	-	-	-	-	-	0032-1L
1340.00	swc	Sh/Clst: m gy	9.89	35.38	28.84	25.89	-	0033-1L
1347.50	swc	Sh/Clst: brn blk	7.03	17.42	39.10	36.45	35.81	0034-1L
1356.00	swc	Sh/Clst: brn blk	0.81	5.28	38.47	55.44	35.84	0035-1L
1360.35	ccp	bulk	6.97	21.18	31.18	40.67	-	0288-0B
1360.35	ccp	bulk	5.33	13.42	31.24	50.01	-	0289-0B
1366.00	ccp	bulk	2.48	5.49	33.93	58.11	-	0290-0B
1367.00	ccp	bulk	8.93	13.27	31.45	46.35	-	0291-0B

Table 8 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 7125/1-1

Depth unit of measure: m

Depth	Typ	Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
1367.28	ccp	bulk	1.87	7.08	31.49	59.55	-	0286-0B
1367.28	ccp	bulk	6.34	11.35	33.13	49.18	-	0287-0B
1368.20	ccp	bulk	2.47	8.99	35.52	53.01	-	0283-0B
1368.20	ccp	bulk	0.43	4.26	35.10	60.21	-	0284-0B
1368.20	ccp	bulk	2.09	8.23	30.78	58.91	-	0285-0B
1395.00	swc	Sh/Clst: brn blk	6.68	10.74	32.90	49.67	49.19	0036-1L
1397.50	swc	Sh/Clst: brn blk	7.09	15.65	35.73	41.54	41.20	0037-1L
1400.50	swc	S/Sst : lt gy to gn gy	-	-	-	-	0.08	0039-1L
1402.00	swc	S/Sst : lt y brn	-	-	-	-	-	0040-1L
1403.50	swc	S/Sst : lt y brn	-	-	-	-	-	0041-1L
1406.00	ccp	S/Sst : lt gy	4.36	34.90	51.31	9.44	-	0306-1L
1417.00	ccp	S/Sst : lt y brn to drk y brn	1.18	7.88	13.43	77.51	-	0307-1L
1421.00	ccp	S/Sst : brn gy	9.99	14.30	20.84	54.66	-	0308-1L
1425.00	ccp	S/Sst : drk y brn	0.13	17.39	37.79	44.69	-	0309-1L

Table 8 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 7125/1-1

Depth unit of measure: m

Depth	Typ	Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
1575.00	swc	S/Sst : w to lt gy	2.95	20.18	44.67	32.21	-	0045-1L

Table 9 : Relative amounts of n-octene,m+p xylene,phenol in percent for well NOCS 7125/1-1

Depth unit of measure: m

Depth	Typ	Lithology	n-octene	m+p xylene	phenol	Sample
1045.00	swc	Sh/Clst: drk gy	-	-	-	0026-1L
1134.00	swc	Sh/Clst: drk gy	-	-	-	0027-1L
1150.00	swc	Sh/Clst: drk gy	-	-	-	0028-1L
1200.00	swc	Sh/Clst: drk gy	-	-	-	0029-1L
1282.00	swc	Sh/Clst: gy red to m gy	-	-	-	0030-1L
1317.00	swc	Sh/Clst: brn gy	-	-	-	0031-1L
1327.50	swc	Sh/Clst: gy red	-	-	-	0032-1L
1340.00	swc	Sh/Clst: m gy	-	-	-	0033-1L
1347.50	swc	Sh/Clst: brn blk	32	55	12	0034-1L
1356.00	swc	Sh/Clst: brn blk	28	58	15	0035-1L
1360.35	ccp	bulk	36	50	14	0288-0B
1360.35	ccp	bulk	36	43	21	0289-0B
1366.00	ccp	bulk	39	52	10	0290-0B
1367.00	ccp	bulk	37	48	15	0291-0B

Table 9 : Relative amounts of n-octene,m+p xylene,phenol in percent for Well NOCS 7125/1-1

Depth unit of measure: m

Depth	Typ	Lithology	n-octene	m+p xylene	phenol	Sample
1367.28	ccp	bulk	33	56	11	0286-0B
1367.28	ccp	bulk	26	62	12	0287-0B
1368.20	ccp	bulk	38	46	17	0283-0B
1368.20	ccp	bulk	40	48	11	0284-0B
1368.20	ccp	bulk	40	50	10	0285-0B
1395.00	swc	Sh/Clst: brn blk	27	59	14	0036-1L
1397.50	swc	Sh/Clst: brn blk	28	58	14	0037-1L
1400.50	swc	S/Sst : lt gy to gn gy	-	-	-	0039-1L
1402.00	swc	S/Sst : lt y brn	-	-	-	0040-1L
1403.50	swc	S/Sst : lt y brn	-	-	-	0041-1L
1406.00	ccp	S/Sst : lt gy	-	-	-	0306-1L
1417.00	ccp	S/Sst : lt y brn to drk y brn	16	65	18	0307-1L
1421.00	ccp	S/Sst : brn gy	-	-	-	0308-1L
1425.00	ccp	S/Sst : drk y brn	35	58	7	0309-1L

Table 9 : Relative amounts of n-octene,m+p xylene in percent for Well NOCS 7125/1-1

Depth unit of measure: m

Depth	Typ	Lithology	n-octene	m+p xylene	phenol	Sample
1575.00	swc	S/Sst : w to lt gy	40	43	17	0045-1L

TABLE 10

TABULATION OF CARBON ISOTOPE DATA AND C_2+ DATA IN HEADSPACE GAS FOR WELL NOCS 7125/1-1

Depth m	$\delta^{13}C$ of C_1	$\delta^{13}C$ of C_2	$\delta^{13}C$ of C_3	$\delta^{13}C$ of iC_4	$\delta^{13}C$ of nC_4	C_2+ in %
1009	-55.71	-36.34	-33.44	-29.69	-32.48	6.8
1054	-54.74	-36.66	-34.35	-30.68	-32.62	11.9
1099	-55.11	-34.34	-32.10	-32.06	-33.33	7.7
1144	-54.12	-36.62	-32.77	-32.11	-33.10	5.8
1189	-48.30	-32.22	-31.28	-28.77	-29.96	6.7
1234	-47.91	-34.35	-32.44	-28.29	-32.14	7.4
1278	-50.07	-35.13	-34.07	-28.26	-31.55	52.4
1323	-45.93	-35.07	-34.26	-30.02	-33.01	7.6
1368	-50.17	-36.33	-36.42	-34.06	-35.64	29.8
1395	-47.72	-36.93	-35.10	-31.54	-34.38	9.7
1404	-45.14	-36.06	-35.23	-32.25	-33.88	16.6
1413	-46.11	-36.11	-35.27	-32.49	-34.39	17.5
2016	-40.90	-31.26	-28.54	-26.57	-27.53	17.8
2052	-42.64	-32.49	-30.14	-30.08	-30.67	21.0
2088	-39.64	-31.93	-31.10	-29.92	-31.03	42.3
2124	-38.58	-32.36	-30.49	-28.98	-30.25	6.7
2160	-39.82	-32.68	-31.50	-30.15	-32.25	20.5
2196	-40.64	-32.56	-31.78	-29.58	-32.20	42.1

Calculation of C_2+:

C_2+ (%) = (1 - C_1/sum Cn) x 100

Table 11 : Tabulation of carbon isotope data for EOM/EOM - fractions or Oils for well NOCS 7125/1-1

Depth unit of measure: m

Depth	Typ	Lithology	EOM/Oil	Saturated	Aromatic	NSO	Asphaltenes	Kerogen	Sample
1347.50	swc		-28.60	-29.60	-28.92	-27.39	-27.59	-29.46	0034-1L
1359.00	cut		-29.69	-29.28	-30.59	-28.00	-28.82	-29.22	0113-4L
1360.35	ccp		-30.41	-27.88	-28.74	-27.91	-27.03	-	0288-0B
1366.00	ccp		-29.12	-30.63	-31.12	-30.56	-27.66	-	0290-0B
1368.20	ccp		-29.40	-26.56	-29.50	-28.52	-27.35	-	0283-0B
1368.20	ccp		-29.38	-29.72	-30.17	-29.16	-28.27	-	0285-0B
1377.00	cut		-28.51	-27.83	-28.99	-28.31	-27.45	-27.79	0152-1L
1395.00	cut		-30.16	-31.90	-31.29	-30.64	-29.02	-27.30	0154-1L
1403.50	swc		-	-30.98	-30.06	-29.10	-	-	0041-1L
1403.80	oil		-30.82	-31.29	-30.05	-30.17	-30.56	-	0305-0B
1405.00	swc		-27.66	-31.05	-29.52	-29.84	-26.64	-	0042-1L
1406.00	ccp		-29.88	-30.76	-29.35	-28.88	-28.44	-	0306-1L
1417.00	ccp		-30.55	-31.29	-29.77	-29.39	-29.90	-	0307-1L
1421.00	ccp		-29.50	-31.35	-28.74	-27.45	-26.09	-	0308-1L
1425.00	ccp		-30.58	-31.11	-29.58	-29.32	-29.09	-	0309-1L

Table 11 : Tabulation of carbon isotope data for EOM/EOM - fractions or Oils for well NOCS 7125/1-1

Depth unit of measure: m

Depth	Typ	Lithology	EOM/Oil	Saturated	Aromatic	NSO	Asphaltenes	Kerogen	Sample
2133.50	swc		-27.44	-30.54	-26.93	-26.18	-25.73		0053-1L

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Table 12 : Analysis of sulphour, vanadium and nickel in oil (1403.8 m) from well 7125/1-1

Element	Content
Sulphur	0.04 Wt%
Vanadium	1.6 ppm
Nickel	1.4 ppm

Table 13: Variation in Triterpane Distribution for Well NOCS 7125/1-1

Depth unit of measure: m

				B									C+D		J1	
Depth	Lithology	B/A	B/B+A	B+E+F	C/E	C/C+E	X/E	Z/E	Z/C	Z/Z+E	Q/E	E/E+F	C+D+E+F	D+F/C+E	J1+J2%	Sample
1347.50	Sh/Clst	-	1.00	0.27	0.65	0.39	0.10	0.08	0.12	0.07	0.04	0.83	0.41	0.23	57.66	0034-1
1359.00	Sh/Clst	-	1.00	0.19	0.58	0.37	0.14	0.09	0.16	0.09	0.04	0.60	0.34	0.60	55.10	0113-4
1360.35	ccp bulk	-	1.00	0.19	0.39	0.28	0.13	-	-	-	0.02	0.81	0.28	0.24	55.97	0288-0
1366.00	ccp bulk	4.65	0.82	0.19	0.51	0.34	0.08	-	-	-	0.03	0.81	0.33	0.22	55.43	0290-0
1368.20	ccp bulk	7.43	0.88	0.25	0.61	0.38	0.08	-	-	-	0.02	0.89	0.38	0.12	59.15	0283-0
1368.20	ccp bulk	5.10	0.84	0.13	0.61	0.38	0.08	-	-	-	0.02	0.81	0.37	0.22	56.70	0285-0
1377.00	Sh/Clst	-	1.00	0.22	0.79	0.44	0.19	-	-	-	0.04	0.77	0.43	0.27	65.25	0152-1
1395.00	Sh/Clst	-	1.00	0.11	0.06	0.06	0.22	0.09	1.43	0.08	0.05	0.56	0.17	1.03	63.10	0154-1
1403.50	S/Sst	-	1.00	0.10	0.47	0.32	0.19	-	-	-	0.10	0.85	0.33	0.19	61.08	0041-1
1403.80	oil bulk	0.68	0.40	0.06	0.36	0.26	0.07	-	-	-	0.07	0.90	0.28	0.13	55.84	0305-0
1405.00	S/Sst	-	1.00	0.09	0.57	0.36	0.15	-	-	-	-	0.84	0.37	0.21	57.14	0042-1
1406.00	S/Sst	0.80	0.44	0.10	0.38	0.27	0.09	0.08	0.20	0.07	0.03	0.90	0.29	0.14	64.08	0306-1
1417.00	S/Sst	0.50	0.33	0.07	0.31	0.24	0.13	0.06	0.18	0.05	0.05	0.90	0.26	0.15	63.48	0307-1
1421.00	S/Sst	0.67	0.40	0.10	0.36	0.27	0.11	0.05	0.14	0.05	0.08	0.90	0.29	0.16	60.00	0308-1

Table 13: Variation in Triterpane Distribution for Well NOCS 7125/1-1

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
1425.00	S/Sst	0.61	0.38	0.08	0.38	0.28	0.09	-	-	-	0.04	0.89	0.28	0.14	57.69	0309-1
2133.50	S/Sst	1.17	0.54	0.16	0.76	0.43	0.14	-	-	-	0.09	0.85	0.43	0.18	60.56	0053-1

Table 14: Variation in Sterane Distribution (peak height) for Well NOCS 7125/1-1

Depth unit of measure: m

Depth	Lithology	Ratio1	Ratio2	Ratio3	Ratio4	Ratio5	Ratio6	Ratio7	Ratio8	Ratio9	Ratio10	Sample
1347.50	Sh/Clst	0.69	46.77	64.16	0.74	0.66	0.25	0.16	0.47	0.88	1.68	0034-1
1359.00	Sh/Clst	0.50	28.70	48.28	0.80	0.62	0.08	0.06	0.32	0.40	0.65	0113-4
1360.35	ccp bulk	0.62	38.22	68.73	0.45	0.74	0.07	0.05	0.52	0.62	1.78	0288-0
1366.00	ccp bulk	0.54	46.22	55.69	1.03	0.58	0.11	0.07	0.39	0.86	1.17	0290-0
1368.20	ccp bulk	0.75	50.45	72.46	0.96	0.72	0.10	0.08	0.57	1.02	2.65	0283-0
1368.20	ccp bulk	0.68	38.72	72.06	0.80	0.77	0.07	0.05	0.56	0.63	2.10	0285-0
1377.00	Sh/Clst	0.64	47.22	65.13	0.72	0.66	0.09	0.06	0.48	0.89	1.77	0152-1
1395.00	Sh/Clst	0.54	30.56	59.55	0.74	0.71	0.08	0.06	0.42	0.44	1.06	0154-1
1403.50	S/Sst	0.49	47.96	72.75	0.54	0.74	-	-	0.57	0.92	2.56	0041-1
1403.80	oil bulk	0.69	40.36	78.37	0.71	0.82	0.13	0.09	0.64	0.68	3.04	0305-0
1405.00	S/Sst	0.55	45.91	66.67	0.58	0.69	-	-	0.50	0.85	1.85	0042-1
1406.00	S/Sst	0.65	48.37	74.54	0.58	0.75	0.06	0.04	0.59	0.94	2.84	0306-1

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 14: Variation in Sterane Distribution (peak height) for Well NOCS 7125/1-1

Depth unit of measure: m

Depth	Lithology	Ratio1	Ratio2	Ratio3	Ratio4	Ratio5	Ratio6	Ratio7	Ratio8	Ratio9	Ratio10	Sample
1417.00	S/Sst	0.70	41.38	68.98	0.65	0.73	-	-	0.53	0.71	1.90	0307-1
1421.00	S/Sst	0.69	37.96	66.67	0.84	0.72	0.10	0.06	0.50	0.61	1.61	0308-1
1425.00	S/Sst	0.67	39.20	73.46	0.68	0.78	0.05	0.03	0.58	0.64	2.28	0309-1
2133.50	S/Sst	0.66	44.51	67.27	0.58	0.70	0.16	0.11	0.51	0.80	1.85	0053-1

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

Table 15: Raw GCMS triterpane data (peak height) for Well NOCS 7125/1-1

Depth unit of measure: m

Depth	Lithology	p	q	r	s	t	a	b	z	c	Sample
		x	d	e	f	g	h	i	ji		
		j2	k1	k2	l1	l2	m1	m2			
1347.50	Sh/Clst	6.00	5.00	4.00	4.00	2.50	0.00	55.00	10.00	82.00	0034-1
		12.50	23.00	126.50	25.00	103.00	76.00	38.00	79.00		
		58.00	72.50	55.50	76.00	54.00	81.00	50.00			
1359.00	Sh/Clst	7.50	4.00	6.50	8.00	2.50	0.00	42.50	10.50	65.00	0113-4
		15.50	32.00	111.50	74.50	78.50	63.00	38.00	94.50		
		77.00	124.50	96.00	118.00	93.50	95.50	110.00			
1360.35	ccp bulk	3.00	2.50	2.00	2.50	0.00	0.00	37.50	0.00	51.00	0288-0
		17.00	12.00	131.50	31.00	99.00	51.00	30.00	75.00		
		59.00	67.00	41.00	65.00	39.50	72.00	59.50			
1366.00	ccp bulk	4.00	3.50	3.50	4.50	0.00	8.50	39.50	0.00	70.00	0290-0
		10.50	13.00	136.00	32.50	81.00	54.00	19.00	48.50		
		39.00	38.50	28.50	36.00	22.00	34.00	22.00			
1368.20	ccp bulk	2.00	2.50	1.00	3.50	0.00	7.00	52.00	0.00	83.50	0283-0
		10.50	10.00	136.00	16.00	75.50	52.00	11.00	42.00		
		29.00	27.00	20.50	24.00	15.00	19.50	12.50			

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			
1368.20	ccp bulk	2.00	2.00	2.50	3.50	0.00	5.00	25.50	0.00	81.00	0285-0
		11.00	17.00	133.00	31.00	119.50	63.50	29.00	101.50		
		77.50	95.00	74.00	94.50	59.50	107.00	73.50			
1377.00	Sh/Clst	3.50	4.00	3.00	5.00	0.00	0.00	39.00	0.00	84.00	0152-1
		20.50	19.50	106.00	32.50	94.50	94.50	29.00	123.00		
		65.50	89.00	67.50	96.00	70.00	125.50	72.00			
1395.00	Sh/Clst	13.50	5.00	10.50	6.50	4.50	0.00	23.50	10.00	7.00	0154-1
		24.00	34.00	110.00	86.00	80.00	7.20	51.50	124.00		
		72.50	80.00	80.00	93.00	84.00	59.00	94.00			
1403.50	S/Sst	0.00	12.00	0.00	13.50	0.00	0.00	15.00	0.00	56.50	0041-1
		23.00	12.00	120.00	22.00	74.00	54.50	17.00	56.50		
		36.00	45.00	38.00	43.00	25.50	24.50	15.00			
1403.80	bulk	15.50	8.50	9.00	2.50	6.00	14.00	9.50	0.00	45.50	0305-0
		9.00	9.00	128.00	14.00	60.00	35.00	6.00	43.00		
		34.00	40.50	26.50	26.50	17.50	14.50	9.50			

Table 15: Raw GCMS triterpane data (peak height) for Well NOCS 7125/1-1

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			
1405.00	S/Sst	0.00	0.00	0.00	0.00	0.00	0.00	15.00	0.00	68.50	0042-1
		18.00	16.00	121.00	23.00	55.50	49.00	17.50	44.00		
		33.00	29.50	27.00	35.50	15.50	16.00	14.50			
1406.00	S/Sst	6.00	4.00	5.00	5.50	6.00	20.00	16.00	9.50	47.00	0306-1
		11.00	9.00	124.00	14.50	46.50	27.50	6.00	33.00		
		18.50	21.00	17.00	13.00	9.00	7.50	4.50			
1417.00	S/Sst	6.00	5.50	8.50	4.50	10.00	20.00	10.00	7.00	38.00	0307-1
		16.00	9.50	121.00	14.00	44.00	29.50	7.00	36.50		
		21.00	22.00	17.50	16.00	10.50	10.00	5.00			
1421.00	S/Sst	10.00	9.00	9.00	6.00	10.00	21.50	14.50	6.00	43.50	0308-1
		13.00	11.50	120.00	14.00	37.50	25.50	5.00	30.00		
		20.00	20.00	15.00	11.50	9.50	6.50	5.00			
1425.00	S/Sst	8.00	5.00	10.50	0.00	9.00	19.00	11.50	0.00	46.00	0309-1
		11.00	8.00	121.00	15.50	42.00	26.00	6.00	30.00		
		22.00	23.00	15.00	15.50	9.50	6.00	5.00			

Table 15: Raw GCMS triterpane data (peak height) for Well NOCS 7125/1-1

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			
2133.50	S/Sst	20.50	11.00	12.50	9.00	7.00	23.50	27.50	0.00	92.50	0053-1
		16.50	15.50	121.00	22.00	67.00	71.50	17.50	86.00		
		56.00	58.00	37.50	50.50	40.50	33.00	24.50			

Table 16: Raw GCMS sterane data (peak height) for Well NOCS 7125/1-1

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					
1347.50	Sh/Clst	46.50	30.00	83.00	61.00	33.00	42.00	43.00	33.00	53.00	0034-1
		107.00	41.50	36.50	75.00	37.00	36.00	77.00	47.00		
		34.00	58.00	57.00	54.00	66.00					
1359.00	Sh/Clst	16.00	7.00	52.00	46.00	22.00	27.50	31.00	28.50	62.00	0113-4
		62.50	34.00	51.00	41.00	30.50	41.00	51.00	31.00		
		78.50	49.50	37.50	43.00	123.00					
1360.35	c ¢p bulk	17.00	8.00	56.00	35.00	24.50	36.00	21.00	26.50	30.00	0288-0
		120.50	35.50	35.00	84.50	60.50	20.50	74.00	42.50		
		24.00	60.00	85.50	87.00	97.00					
1366.00	ccp bulk	21.50	12.00	123.00	99.50	50.00	92.00	0.00	48.00	87.50	0290-0
		118.00	50.00	103.00	87.50	53.50	50.00	95.50	49.00		
		72.00	76.50	50.50	53.50	89.00					
1368.20	ccp bulk	19.00	11.00	123.50	98.50	39.00	38.00	29.50	31.00	59.00	0283-0
		120.00	0.00	42.00	61.00	43.50	24.00	87.00	41.00		
		38.50	56.00	77.00	69.00	55.00					

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					
1368.20	ccp bulk	19.50	9.50	98.50	58.50	47.00	42.00	34.50	29.00	46.00	0285-0
		87.50	78.50	45.50	74.00	40.50	32.00	104.50	57.00		
		46.00	63.50	98.00	113.50	100.50					
1377.00	Sh/Clst	16.50	10.00	85.00	50.00	43.00	55.00	31.00	46.50	60.50	0152-1
		114.00	52.50	47.00	72.00	53.00	32.00	86.00	53.00		
		52.50	68.00	66.50	68.00	76.00					
1395.00	Sh/Clst	15.00	13.00	55.00	54.00	42.00	41.50	30.50	32.00	58.50	0154-1
		88.00	62.00	46.50	64.50	44.00	0.00	65.00	67.00		
		79.00	55.00	65.50	67.00	125.00					
1403.50	S/Sst	0.00	0.00	49.00	39.00	18.00	31.00	31.00	28.50	46.00	0041-1
		85.00	72.00	50.00	59.00	36.00	0.00	74.00	65.50		
		37.00	64.50	97.00	82.50	70.00					
1403.80	bulk	34.50	11.50	101.00	64.00	29.00	42.00	43.00	31.00	46.00	0305-0
		111.00	47.50	46.00	99.00	47.00	23.50	76.00	45.00		
		22.00	45.00	99.00	103.00	66.50					

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					
1405.00	S/Sst	0.00	0.00	49.00	38.00	11.50	43.50	39.00	41.50	0.00	0042-1
		98.00	78.00	40.00	63.00	24.50	0.00	59.00	33.00		
		33.50	73.00	75.00	84.00	86.00					
1406.00	S/Sst	12.00	0.00	43.50	41.50	11.00	33.50	32.50	21.50	37.00	0306-1
		64.50	15.00	23.00	63.50	26.50	15.00	67.00	34.00		
		18.00	37.00	54.50	57.50	39.50					
1417.00	S/Sst	0.00	0.00	40.00	22.50	12.00	18.50	22.00	23.00	17.00	0307-1
		70.50	15.00	17.00	37.00	10.50	10.00	25.50	22.50		
		11.00	24.00	30.50	34.00	34.00					
1421.00	S/Sst	14.50	0.00	52.00	39.00	14.50	35.00	27.00	20.00	28.50	0308-1
		70.00	35.00	23.00	46.50	13.50	0.00	38.00	16.50		
		15.50	26.00	33.00	35.50	42.50					
1425.00	S/Sst	8.50	0.00	50.00	34.50	19.00	32.00	22.00	21.00	23.00	0309-1
		84.00	24.00	24.50	52.00	17.00	15.50	46.00	22.00		
		15.00	24.50	47.50	39.00	38.00					

Table 16: Raw GCMS sterane data (peak height) for Well NOCS 7125/1-1

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					
2133.50	S/Sst	39.00	22.00	67.50	33.00	27.00	40.50	36.50	30.00	42.00	0053-1
		107.50	60.00	34.50	85.50	31.50	23.50	63.00	52.00		
		26.50	73.00	86.50	82.00	91.00					

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Report title

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AROUND WELL 7125/1-1
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Abstract:

The objective of this report is to evaluate possible sources of the leaking gas from the completed and plugged well 7125/1-1. The report is based on available deep and shallow seismic data from the licence area, various reports and results from surveys in 1989 and 1991 where gas from the wellhead was sampled and analysed.

Key words

pl 135, well 7125/1-1, gas leak, shallow reservoirs, biogenic/thermogenic gas

Table 1 Volume composition of a gas sample from wellhead 7125

Sample	IFE no.	C_1 %	C_2 %	C_3 %	i-C_4 %	n-C_4 %	CO_2 %	$\frac{\Sigma C_2\text{-}C_4}{\Sigma C_1\text{-}C_4}$	$\frac{\text{i-}C_4}{\text{n-}C_4}$
Sample I	8091	99.9	0.05	0.03	0.01	0.01	0.01	0.001	0.85

Table 2 Isotopic composition of a gas sample from wellhead 7125

Sample	IFE no.	C_1 $\delta^{13}C_{PDB}$	C_1 δD_{SMOW}
Sample I	8091	-51.5	- 210

1 INTRODUCTION

One gas sample from well 7125/1-1 was received in an aluminium gas sampling bag in October 1991 (IFE no 10114). The sample was analysed, but with low quality results (due to a leakage or biodegradation) and a new gas sample on a pressurised gas bottle was received (IFE no 10126).

On the samples C_1 - C_5 and CO_2 are quantified. Due to low concentration of the higher hydrocarbon gas components the $\delta\ ^{13}C$ value is only measured on methane. The δ D value of methane is also measured.

2 ANALYTICAL PROCEDURE

The natural gas samples have been quantified and separated into the different gas components by a Carlo Erba 4200 gas chromatograph.

Methane was oxidised in a CuO-oven at 850°C. The combustion products CO_2 and H_2O were frozen into collection vessels and separated.

The combustion water was reduced with zinc metal in a sealed quarts tube to prepare hydrogen for isotopic analysis. The isotopic measurements were performed on a Finnigan Mat 251 and Finnigan Delta mass spectrometer.
IFEs value on NBS 22 is 29.77 ± .06‰ PDB.

3 RESULTS

The volume composition of the gas samples is given in Table 1. The results have been normalised to 100%. The stable isotope results are given in Table 2.

The detection limit for the hydrocarbon components is 10 ppm/ml and for CO_2 100 ppm/ml. The uncertainty on the $\delta\ ^{13}C$ value is estimated to be ± 0.3‰ PDB and includes all the different analytical steps. The uncertainty in the δ D value is likewise estimated to be ± 5‰.

Table 1: Volume composition of a gas sample from well 7125/1-1.

Sample	IFE no	C_1 %	C_2 %	C_3 %	iC_4 %	nC_4 %	iC_5 %	nC_5 %	CO_2 %
7125/1-1	10114	100	<0.001	nd	nd	nd	nd	nd	nd
7125/1-1	10126	100	<0.001	nd	nd	nd	nd	nd	nd

nd - not detected

Table 2: Isotopic composition of a gas sample from well 7125/1-1.

Sample	IFE no	C_1 $\delta\,^{13}C$ ‰ PDB	C_1 δ D ‰ SMOW
7125/1-1	10114	-19.6	-191
7125/1-1	10126	-52.1	-212

5 REFERENCES

Schoell, M. (1983). Genetic characterisation of natural gases. *The American Association of Petroleum Geologists Bulletin*, 67, 2225-2238.

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REPORT : Geochemical Data Report
NOCS 7125/1-1

CLIENT(S) : Saga Petroleum A/S

RESPONSIBLE SCIENTIST : Kjell Arne Bakken

AUTHORS :

DATE : 24.02.89

GEOLAB PROJECT : 526 005

CLIENTS REF :

GEOLAB NOR
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Table 1 : Lithology description for well NOCS 7125/1-1

Depth unit of measure: m

Depth		Type			Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1406.00	ccp					0055
			100	S/Sst : lt gy, cem		0055-1L
1406.50	ccp					0058
			100	S/Sst : lt gy, cem		0058-1L
1407.00	ccp					0001
			100	S/Sst : brn gy		0001-1L
1407.50	ccp					0057
			100	S/Sst : lt y brn to lt gy, cem, l		0057-1L
1408.00	ccp					0020
			100	S/Sst : lt gy to lt brn gy, cem		0020-1L
1409.00	ccp					0022
			100	S/Sst : drk y brn, st, cem		0022-1L
			tr	Cont : dd		0022-2L
1410.00	ccp					0016
			100	S/Sst : lt gy to lt brn gy to lt y brn, cem		0016-1L

Table 1 : Lithology description for well NOCS 7125/1-1

Depth unit of measure: m

Depth		Type			Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1411.00	ccp					0019
			100	S/Sst : lt brn gy to lt y brn, cem		0019-1L
1412.00	ccp					0015
			100	S/Sst : lt y brn to drk y brn, st, cem		0015-1L
			tr	Cont : prp		0015-2L
1413.00	ccp					0059
			100	S/Sst : lt gy, cem		0059-1L
1414.00	ccp					0014
			100	S/Sst : lt y brn to drk y brn, st, cem		0014-1L
			tr	Cont : prp		0014-2L
1415.00	ccp					0013
			100	S/Sst : lt gy to lt y brn, cem		0013-1L
1416.00	ccp					0002
			100	S/Sst : brn gy, carb		0002-1L
1417.00	ccp					0009
			100	S/Sst : lt y brn to drk y brn, crs, st, cem		0009-1L
			tr	Cont : prp		0009-2L

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GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 1 : Lithology description for well NOCS 7125/1-1

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Lithology description	Trb	Sample
1418.00	ccp					0023
			100	S/Sst : drk y brn, st, cem, l		0023-1L
			tr	Cont : dd		0023-2L
1419.00	ccp					0011
			100	S/Sst : ol gy to lt y brn, crs, st, cem		0011-1L
			tr	Cont : dd		0011-2L
1420.00	ccp					0017
			100	S/Sst : lt or to pl y brn, cem		0017-1L
1421.00	ccp					0003
			90	S/Sst : brn gy		0003-1L
			10	Coal : blk		0003-2L
1421.50	ccp					0056
			100	S/Sst : lt y brn to lt gy, crs, st, cem		0056-1L
1422.00	ccp					0010
			100	S/Sst : lt y brn, crs, st, cem		0010-1L
1423.00	ccp					0012
			100	S/Sst : lt y brn to drk y brn, crs, st, cem		0012-1L

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 1 : Lithology description for well NOCS 7125/1-1

Depth unit of measure: m

Depth		Type				Trb	Sample
Int	Cvd	TOC%	%	Lithology description			
1424.00	ccp						0008
			100	S/Sst	: lt y brn to lt gy, crs, st, cem		0008-1L
			tr	Cont	: prp		0008-2L
1425.00	ccp						0018
			100	S/Sst	: drk y brn, st, cem		0018-1L
1426.00	ccp						0007
			100	S/Sst	: lt y brn to lt brn gy, st, cem		0007-1L
1427.00	ccp						0004
			100	S/Sst	: brn gy		0004-1L
1428.00	ccp						0021
			100	S/Sst	: lt y brn to drk y brn, st, cem		0021-1L
			tr	Other	: carb		0021-2L
1429.00	ccp						0024
			100	S/Sst	: lt gy to lt y gy, cem		0024-1L
1430.00	ccp						0006
			100	S/Sst	: brn gy, cly		0006-1L

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 1 : Lithology description for well NOCS 7125/1-1

Depth unit of measure: m

Depth		Type			Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1432.00	ccp					0025
			100	S/Sst : lt gy to lt y gy, cem		0025-1L
1433.00	ccp					0005
			100	S/Sst : brn gy		0005-1L

Tables

Table 2 a: Weight of EOM and Chromatographic Fraction for well NOCS 7125/1-1

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
1406.00	ccp	S/Sst : lt gy	11.0	10.0	7.1	1.9	0.5	0.5	9.0	1.0	0.22	0055-1L
1406.50	ccp	S/Sst : lt gy	10.3	3.5	1.8	1.1	0.4	0.2	2.9	0.6	0.16	0058-1L
1407.00	ccp	S/Sst : brn gy	15.9	6.5	2.0	0.6	0.7	3.3	2.6	4.0	0.11	0001-1L
1407.50	ccp	S/Sst : lt y brn to lt gy	11.8	3.1	2.0	0.7	0.3	0.2	2.6	0.5	0.12	0057-1L
1408.00	ccp	S/Sst : lt gy to lt brn gy	14.7	5.8	1.8	0.6	0.6	2.8	2.4	3.4	0.11	0020-1L
1409.00	ccp	S/Sst : drk y brn	12.3	8.6	2.7	0.8	0.4	4.8	3.5	5.2	0.12	0022-1L
1410.00	ccp	S/Sst : lt gy to lt brn gy to lt y brn	15.4	9.1	3.3	1.0	0.5	4.3	4.3	4.8	0.11	0016-1L
1411.00	ccp	S/Sst : lt brn gy to lt y brn	15.4	9.4	3.5	0.8	0.4	4.8	4.2	5.2	0.10	0019-1L
1412.00	ccp	S/Sst : lt y brn to drk y brn	11.8	8.6	3.3	0.9	0.7	3.7	4.2	4.4	0.11	0015-1L
1413.00	ccp	S/Sst : lt gy	9.7	8.0	5.2	2.2	0.4	0.2	7.4	0.6	0.21	0059-1L
1414.00	ccp	S/Sst : lt y brn to drk y brn	10.4	6.7	1.6	0.4	0.5	4.1	2.1	4.6	0.09	0014-1L
1415.00	ccp	S/Sst : lt gy to lt y brn	14.2	10.3	3.6	0.9	0.6	5.2	4.5	5.8	0.14	0013-1L
1416.00	ccp	S/Sst : brn gy	9.1	12.8	8.1	2.7	0.8	1.2	10.8	2.0	0.54	0002-1L

Table 2 a: Weight of EOM and Chromatographic Fraction for well NOCS 7125/1-1

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
1417.00	ccp	S/Sst : lt y brn to drk y brn	11.9	28.6	10.8	2.5	0.7	14.6	13.4	15.3	0.15	0009-1L
1418.00	ccp	S/Sst : drk y brn	11.0	12.7	4.5	1.0	0.9	6.3	5.6	7.2	0.15	0023-1L
1419.00	ccp	S/Sst : ol gy to lt y brn	14.2	32.3	9.4	2.3	0.1	20.5	11.7	20.6	0.18	0011-1L
1420.00	ccp	S/Sst : lt or to pl y brn	14.6	21.9	6.2	2.4	0.5	12.9	8.6	13.4	0.17	0017-1L
1421.00	ccp	S/Sst : brn gy	9.4	33.1	17.4	5.4	4.4	5.9	22.8	10.3	1.61	0003-1L
1421.50	ccp	S/Sst : lt y brn to lt gy	9.7	24.8	17.4	4.5	0.4	2.5	21.9	2.9	0.30	0056-1L
1422.00	ccp	S/Sst : lt y brn	14.6	30.6	11.4	2.8	1.0	15.4	14.3	16.4	0.18	0010-1L
1423.00	ccp	S/Sst : lt y brn to drk y brn	12.7	26.9	8.1	1.5	0.6	16.7	9.6	17.3	0.21	0012-1L
1424.00	ccp	S/Sst : lt y brn to lt gy	11.5	18.0	4.9	1.2	0.5	11.4	6.2	11.9	0.20	0008-1L
1425.00	ccp	S/Sst : drk y brn	11.9	42.0	14.1	3.3	1.0	23.6	17.4	24.6	0.17	0018-1L
1426.00	ccp	S/Sst : lt y brn to lt brn gy	10.8	18.8	5.6	1.2	0.8	11.2	6.8	12.0	0.16	0007-1L
1427.00	ccp	S/Sst : brn gy	7.6	15.6	11.1	2.8	0.6	1.1	14.0	1.6	0.18	0004-1L
1428.00	ccp	S/Sst : lt y brn to drk y brn	11.5	18.9	5.4	2.0	1.4	10.2	7.4	11.6	0.27	0021-1L
1429.00	ccp	S/Sst : lt gy to lt y gy	12.7	12.4	3.5	0.4	0.5	8.0	3.9	8.5	0.12	0024-1L

Table 2 a: Weight of EOM and Chromatographic Fraction for well NOCS 7125/1-1

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
1430.00	ccp	S/Sst : brn gy	15.1	39.5	18.5	5.3	3.1	12.7	23.7	15.8	0.20	0006-1L
1432.00	ccp	S/Sst : lt gy to lt y gy	10.2	7.9	1.8	0.2	0.2	5.8	1.9	5.9	0.15	0025-1L
1433.00	ccp	S/Sst : brn gy	11.6	10.4	3.9	1.5	1.2	3.8	5.4	5.0	0.11	0005-1L

Table 2 b: Concentration of EOM and Chromatographic Fraction (wt ppm rock) for well NOCS 7125/1-1

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
1406.00	ccp	S/Sst : lt gy	907	641	175	45	45	816	90	0055-1L
1406.50	ccp	S/Sst : lt gy	339	170	106	38	23	277	62	0058-1L
1407.00	ccp	S/Sst : brn gy	407	122	37	43	203	159	247	0001-1L
1407.50	ccp	S/Sst : lt y brn to lt gy	263	168	56	25	13	224	39	0057-1L
1408.00	ccp	S/Sst : lt gy to lt brn gy	394	122	40	40	190	163	231	0020-1L
1409.00	ccp	S/Sst : drk y brn	701	220	61	32	387	281	420	0022-1L
1410.00	ccp	S/Sst : lt gy to lt brn gy to lt y brn	590	214	68	32	275	282	308	0016-1L
1411.00	ccp	S/Sst : lt brn gy to lt y brn	609	223	48	25	311	272	337	0019-1L
1412.00	ccp	S/Sst : lt y brn to drk y brn	727	279	76	59	313	355	372	0015-1L
1413.00	ccp	S/Sst : lt gy	826	540	225	41	19	765	60	0059-1L
1414.00	ccp	S/Sst : lt y brn to drk y brn	641	158	43	47	392	201	440	0014-1L
1415.00	ccp	S/Sst : lt gy to lt y brn	726	254	63	42	366	317	409	0013-1L
1416.00	ccp	S/Sst : brn gy	1412	894	298	88	132	1192	220	0002-1L

Table 2 b: Concentration of EOM and Chromatographic Fraction (wt ppm rock) for well NOCS 7125/1-1

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
1417.00	ccp	S/Sst : lt y brn to drk y brn	2411	910	215	59	1226	1125	1285	0009-1L
1418.00	ccp	S/Sst : drk y brn	1152	408	95	81	567	503	648	0023-1L
1419.00	ccp	S/Sst : ol gy to lt y brn	2269	664	158	7	1440	822	1447	0011-1L
1420.00	ccp	S/Sst : lt or to pl y brn	1499	421	164	34	880	585	914	0017-1L
1421.00	ccp	S/Sst : brn gy	3521	1851	574	468	627	2425	1095	0003-1L
1421.50	ccp	S/Sst : lt y brn to lt gy	2556	1796	459	41	258	2256	299	0056-1L
1422.00	ccp	S/Sst : lt y brn	2103	783	195	68	1054	979	1123	0010-1L
1423.00	ccp	S/Sst : lt y brn to drk y brn	2114	636	117	47	1312	754	1360	0012-1L
1424.00	ccp	S/Sst : lt y brn to lt gy	1569	431	104	43	989	536	1033	0008-1L
1425.00	ccp	S/Sst : drk y brn	3535	1186	277	84	1986	1464	2070	0018-1L
1426.00	ccp	S/Sst : lt y brn to lt brn gy	1748	516	111	74	1046	627	1120	0007-1L
1427.00	ccp	S/Sst : brn gy	2041	1452	373	78	137	1825	215	0004-1L
1428.00	ccp	S/Sst : lt y brn to drk y brn	1639	468	169	121	880	637	1001	0021-1L
1429.00	ccp	S/Sst : lt gy to lt y gy	978	272	35	39	631	307	670	0024-1L

Table 2 b: Concentration of EOM and Chromatographic Fraction (wt ppm rock) for well NOCS 7125/1-1

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
1430.00	ccp	S/Sst : brn gy	2610	1219	346	204	839	1566	1044	0006-1L
1432.00	ccp	S/Sst : lt gy to lt y gy	775	176	14	19	564	191	583	0025-1L
1433.00	ccp	S/Sst : brn gy	898	337	129	103	328	466	432	0005-1L

Table 2 c: Concentration of EOM and Chromatographic Fraction (mg/g TOC(e)) for well NOCS 7125/1-1

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
1406.00	ccp	S/Sst : lt gy	412.47	291.62	79.61	20.62	20.62	371.23	41.25	0055-1L
1406.50	ccp	S/Sst : lt gy	212.38	106.80	66.75	24.27	14.56	173.54	38.83	0058-1L
1407.00	ccp	S/Sst : brn gy	370.71	111.21	34.22	39.92	185.35	145.43	225.28	0001-1L
1407.50	ccp	S/Sst : lt y brn to lt gy	219.48	140.19	46.73	21.24	11.33	186.92	32.57	0057-1L
1408.00	ccp	S/Sst : lt gy to lt brn gy	358.93	111.39	37.13	37.13	173.28	148.52	210.41	0020-1L
1409.00	ccp	S/Sst : drk y brn	584.56	183.52	50.98	27.19	322.87	234.50	350.05	0022-1L
1410.00	ccp	S/Sst : lt gy to lt brn gy to lt y brn	537.19	194.81	61.98	29.52	250.89	256.79	280.40	0016-1L
1411.00	ccp	S/Sst : lt brn gy to lt y brn	609.20	223.59	48.61	25.92	311.08	272.20	337.01	0019-1L
1412.00	ccp	S/Sst : lt y brn to drk y brn	661.44	253.81	69.22	53.84	284.57	323.03	338.41	0015-1L
1413.00	ccp	S/Sst : lt gy	393.55	257.28	107.24	19.68	9.35	364.52	29.02	0059-1L
1414.00	ccp	S/Sst : lt y brn to drk y brn	713.07	175.61	47.89	53.21	436.36	223.50	489.57	0014-1L
1415.00	ccp	S/Sst : lt gy to lt y brn	519.21	181.47	45.37	30.24	262.12	226.84	292.37	0013-1L
1416.00	ccp	S/Sst : brn gy	261.63	165.56	55.19	16.35	24.53	220.75	40.88	0002-1L

Table 2 c: Concentration of EOM and Chromatographic Fraction (mg/g TOC(e)) for well NOCS 7125/1-1

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
1417.00	ccp	S/Sst : lt y brn to drk y brn	1607.64	607.08	143.34	39.35	817.88	750.42	857.22	0009-1L
1418.00	ccp	S/Sst : drk y brn	768.30	272.23	63.52	54.45	378.10	335.75	432.55	0023-1L
1419.00	ccp	S/Sst : ol gy to lt y brn	1261.03	368.94	87.84	3.90	800.34	456.78	804.25	0011-1L
1420.00	ccp	S/Sst : lt or to pl y brn	882.35	247.78	96.70	20.15	517.73	344.48	537.87	0017-1L
1421.00	ccp	S/Sst : brn gy	218.71	114.97	35.68	29.07	38.99	150.65	68.06	0003-1L
1421.50	ccp	S/Sst : lt y brn to lt gy	852.23	598.97	153.26	13.75	86.25	752.23	100.00	0056-1L
1422.00	ccp	S/Sst : lt y brn	1168.38	435.28	108.82	38.18	586.10	544.10	624.28	0010-1L
1423.00	ccp	S/Sst : lt y brn to drk y brn	1007.04	303.23	56.15	22.46	625.19	359.39	647.65	0012-1L
1424.00	ccp	S/Sst : lt y brn to lt gy	784.66	215.78	52.31	21.80	494.77	268.09	516.56	0008-1L
1425.00	ccp	S/Sst : drk y brn	2079.62	698.16	163.40	49.51	1168.55	861.56	1218.06	0018-1L
1426.00	ccp	S/Sst : lt y brn to lt brn gy	1093.02	322.67	69.77	46.51	654.07	392.44	700.58	0007-1L
1427.00	ccp	S/Sst : brn gy	1134.38	807.16	207.24	43.63	76.35	1014.40	119.98	0004-1L
1428.00	ccp	S/Sst : lt y brn to drk y brn	607.11	173.46	62.64	44.97	326.04	236.10	371.01	0021-1L
1429.00	ccp	S/Sst : lt gy to lt y gy	815.57	226.91	29.60	32.89	526.18	256.51	559.06	0024-1L

Table 2 c: Concentration of EOM and Chromatographic Fraction (mg/g TOC(e)) for well NOCS 7125/1-1

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
1430.00	ccp	S/Sst : brn gy	1305.35	609.72	173.50	102.45	419.70	783.21	522.14	0006-1L
1432.00	ccp	S/Sst : lt gy to lt y gy	516.85	117.76	9.81	13.08	376.19	127.58	389.27	0025-1L
1433.00	ccp	S/Sst : brn gy	817.16	306.44	117.86	94.29	298.58	424.29	392.87	0005-1L

Table 2 d: Composition of material extracted from the rock (%) for well NOCS 7125/1-1

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
1406.00	ccp	S/Sst : lt gy	70.70	19.30	5.00	5.00	90.00	10.00	366.32	900.00	0055-1L
1406.50	ccp	S/Sst : lt gy	50.29	31.43	11.43	6.86	81.71	18.29	160.00	446.88	0058-1L
1407.00	ccp	S/Sst : brn gy	30.00	9.23	10.77	50.00	39.23	60.77	325.00	64.56	0001-1L
1407.50	ccp	S/Sst : lt y brn to lt gy	63.87	21.29	9.68	5.16	85.16	14.84	300.00	573.91	0057-1L
1408.00	ccp	S/Sst : lt gy to lt brn gy	31.03	10.34	10.34	48.28	41.38	58.62	300.00	70.59	0020-1L
1409.00	ccp	S/Sst : drk y brn	31.40	8.72	4.65	55.23	40.12	59.88	360.00	66.99	0022-1L
1410.00	ccp	S/Sst : lt gy to lt brn gy to lt y brn	36.26	11.54	5.49	46.70	47.80	52.20	314.29	91.58	0016-1L
1411.00	ccp	S/Sst : lt brn gy to lt y brn	36.70	7.98	4.26	51.06	44.68	55.32	460.00	80.77	0019-1L
1412.00	ccp	S/Sst : lt y brn to drk y brn	38.37	10.47	8.14	43.02	48.84	51.16	366.67	95.45	0015-1L
1413.00	ccp	S/Sst : lt gy	65.38	27.25	5.00	2.37	92.63	7.37	239.91	1255.93	0059-1L
1414.00	ccp	S/Sst : lt y brn to drk y brn	24.63	6.72	7.46	61.19	31.34	68.66	366.67	45.65	0014-1L
1415.00	ccp	S/Sst : lt gy to lt y brn	34.95	8.74	5.83	50.49	43.69	56.31	400.00	77.59	0013-1L
1416.00	ccp	S/Sst : brn gy	63.28	21.09	6.25	9.37	84.38	15.63	300.00	540.00	0002-1L

Table 2 d: Composition of material extracted from the rock (%) for well NOCS 7125/1-1

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
1417.00	ccp	S/Sst : lt y brn to drk y brn	37.76	8.92	2.45	50.87	46.68	53.32	423.53	87.54	0009-1L
1418.00	ccp	S/Sst : drk y brn	35.43	8.27	7.09	49.21	43.70	56.30	428.57	77.62	0023-1L
1419.00	ccp	S/Sst : ol gy to lt y brn	29.26	6.97	0.31	63.47	36.22	63.78	420.00	56.80	0011-1L
1420.00	ccp	S/Sst : lt or to pl y brn	28.08	10.96	2.28	58.68	39.04	60.96	256.25	64.04	0017-1L
1421.00	ccp	S/Sst : brn gy	52.57	16.31	13.29	17.82	68.88	31.12	322.22	221.36	0003-1L
1421.50	ccp	S/Sst : lt y brn to lt gy	70.28	17.98	1.61	10.12	88.27	11.73	390.81	752.23	0056-1L
1422.00	ccp	S/Sst : lt y brn	37.25	9.31	3.27	50.16	46.57	53.43	400.00	87.16	0010-1L
1423.00	ccp	S/Sst : lt y brn to drk y brn	30.11	5.58	2.23	62.08	35.69	64.31	540.00	55.49	0012-1L
1424.00	ccp	S/Sst : lt y brn to lt gy	27.50	6.67	2.78	63.06	34.17	65.83	412.50	51.90	0008-1L
1425.00	ccp	S/Sst : drk y brn	33.57	7.86	2.38	56.19	41.43	58.57	427.27	70.73	0018-1L
1426.00	ccp	S/Sst : lt y brn to lt brn gy	29.52	6.38	4.26	59.84	35.90	64.10	462.50	56.02	0007-1L
1427.00	ccp	S/Sst : brn gy	71.15	18.27	3.85	6.73	89.42	10.58	389.47	845.45	0004-1L
1428.00	ccp	S/Sst : lt y brn to drk y brn	28.57	10.32	7.41	53.70	38.89	61.11	276.92	63.64	0021-1L
1429.00	ccp	S/Sst : lt gy to lt y gy	27.82	3.63	4.03	64.52	31.45	68.55	766.67	45.88	0024-1L

Table 2 d: Composition of material extracted from the rock (%) for well NOCS 7125/1-1

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
1430.00	ccp	S/Sst : brn gy	46.71	13.29	7.85	32.15	60.00	40.00	351.43	150.00	0006-1L
1432.00	ccp	S/Sst : lt gy to lt y gy	22.78	1.90	2.53	72.78	24.68	75.32	1200.00	32.77	0025-1L
1433.00	ccp	S/Sst : brn gy	37.50	14.42	11.54	36.54	51.92	48.08	260.00	108.00	0005-1L

Table 3 : Saturated Hydrocarbon Ratios for well NOCS 7125/1-1

Depth unit of measure: m

Depth	Typ	Lithology	Pristane nC17	Pristane Phytane	Pri+Phy nC17+nC18	Phytane nC18	CPI1	CPI2	DI	Sample
1406.00	ccp	S/Sst : lt gy	1.14	1.53	0.95	0.76	1.39	1.14	0.18	0055-1L
1411.00	ccp	S/Sst : lt brn gy to lt y brn	1.14	1.66	0.95	0.75	1.74	1.13	0.25	0019-1L
1413.00	ccp	S/Sst : lt gy	1.04	1.58	1.02	1.00	1.41	1.09	0.27	0059-1L
1416.00	ccp	S/Sst : brn gy	1.01	1.87	0.85	0.66	1.71	-	0.34	0002-1L
1417.00	ccp	S/Sst : lt y brn to drk y brn	1.05	1.87	0.89	0.69	1.53	1.01	0.35	0009-1L
1421.00	ccp	S/Sst : brn gy	0.98	1.85	0.83	0.65	1.63	0.98	0.29	0003-1L
1421.50	ccp	S/Sst : lt y brn to lt gy	1.04	1.59	0.90	0.75	1.39	1.05	0.29	0056-1L
1425.00	ccp	S/Sst : drk y brn	1.08	1.51	0.93	0.78	1.97	1.03	0.28	0018-1L
1427.00	ccp	S/Sst : brn gy	1.00	1.78	0.86	0.68	1.22	0.97	0.28	0004-1L
1430.00	ccp	S/Sst : brn gy	1.11	1.56	0.95	0.78	2.07	1.12	0.25	0006-1L
1432.00	ccp	S/Sst : lt gy to lt y gy	1.11	1.56	0.95	0.78	1.53	1.23	0.27	0025-1L

Table 4 : Aromatic Hydrocarbon Ratios for well NOCS 7125/1-1

Depth unit of measure: m

Depth	Typ	Lithology	MNR	DMNR	BPhR	2/1MP	MPI1	MPI2	Rc	DBT/P	4/1MDBT	(3+2) /1MDBT	Sample
1406.00	ccp	S/Sst : lt gy	-	0.90	-	1.04	0.80	0.82	0.88	0.59	2.31	0.80	0055-1L
1411.00	ccp	S/Sst : lt brn gy to lt y brn	-	-	-	1.20	0.78	0.82	0.87	0.68	1.18	0.87	0019-1L
1413.00	ccp	S/Sst : lt gy	-	-	-	-	0.97	0.97	0.98	0.70	-	-	0059-1L
1416.00	ccp	S/Sst : brn gy	1.40	1.13	-	1.31	0.49	0.56	0.69	0.49	-	-	0002-1L
1417.00	ccp	S/Sst : lt y brn to drk y brn	-	0.57	-	1.12	0.81	0.83	0.89	0.76	1.64	0.90	0009-1L
1421.00	ccp	S/Sst : brn gy	1.36	1.50	-	1.08	0.54	0.61	0.72	0.40	1.93	1.12	0003-1L
1421.50	ccp	S/Sst : lt y brn to lt gy	-	0.39	-	1.33	0.83	0.91	0.90	0.63	0.98	-	0056-1L
1425.00	ccp	S/Sst : drk y brn	-	0.56	-	1.09	0.84	0.86	0.90	0.78	1.63	0.88	0018-1L
1427.00	ccp	S/Sst : brn gy	1.33	0.89	-	-	-	-	0.40	-	-	-	0004-1L
1430.00	ccp	S/Sst : brn gy	-	0.44	-	-	-	-	0.40	-	-	-	0006-1L
1432.00	ccp	S/Sst : lt gy to lt y gy	-	-	-	1.18	0.68	0.64	0.81	-	-	-	0025-1L

Table 5 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 7125/1-1

Depth unit of measure: m

Depth	Typ	Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
1406.00	ccp	S/Sst : lt gy	4.36	34.90	51.31	9.44	-	0055-1L
1406.50	ccp	S/Sst : lt gy	5.56	30.46	53.75	10.24	-	0058-1L
1407.00	ccp	S/Sst : brn gy	-	-	-	-	-	0001-1L
1407.50	ccp	S/Sst : lt y brn to lt gy	10.79	38.15	45.43	5.63	-	0057-1L
1408.00	ccp	S/Sst : lt gy to lt brn gy	6.63	31.72	47.67	13.77	-	0020-1L
1409.00	ccp	S/Sst : drk y brn	11.58	34.49	44.66	9.26	-	0022-1L
1410.00	ccp	S/Sst : lt gy to lt brn gy to lt y brn	9.64	26.14	41.32	22.91	-	0016-1L
1411.00	ccp	S/Sst : lt brn gy to lt y brn	5.38	34.62	42.10	17.90	-	0019-1L
1412.00	ccp	S/Sst : lt y brn to drk y brn	1.98	26.66	31.42	39.94	-	0015-1L
1413.00	ccp	S/Sst : lt gy	11.08	29.16	50.71	9.05	-	0059-1L
1414.00	ccp	S/Sst : lt y brn to drk y brn	4.76	26.74	44.81	23.29	-	0014-1L
1415.00	ccp	S/Sst : lt gy to lt y brn	6.26	25.65	41.99	26.10	-	0013-1L
1416.00	ccp	S/Sst : brn gy	12.49	8.36	14.34	64.81	-	0002-1L
1417.00	ccp	S/Sst : lt y brn to drk y brn	1.18	7.88	13.43	77.51	-	0009-1L

Table 5 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 7125/1-1

Depth unit of measure: m

Depth	Typ	Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
1418.00	ccp	S/Sst : drk y brn	4.16	14.29	16.91	64.64	-	0023-1L
1419.00	ccp	S/Sst : ol gy to lt y brn	2.16	13.40	23.79	60.65	-	0011-1L
1420.00	ccp	S/Sst : lt or to pl y brn	4.88	17.87	27.84	49.40	-	0017-1L
1421.00	ccp	S/Sst : brn gy	9.99	14.30	20.84	54.66	-	0003-1L
1421.50	ccp	S/Sst : lt y brn to lt gy	4.16	30.75	56.64	8.46	-	0056-1L
1422.00	ccp	S/Sst : lt y brn	3.66	17.22	50.15	28.97	-	0010-1L
1423.00	ccp	S/Sst : lt y brn to drk y brn	0.48	3.94	71.27	24.31	-	0012-1L
1424.00	ccp	S/Sst : lt y brn to lt gy	4.91	25.73	36.55	32.26	-	0008-1L
1425.00	ccp	S/Sst : drk y brn	0.13	17.39	37.79	44.69	-	0018-1L
1426.00	ccp	S/Sst : lt y brn to lt brn gy	6.31	22.80	57.36	13.53	-	0007-1L
1427.00	ccp	S/Sst : brn gy	-	-	-	-	-	0004-1L
1428.00	ccp	S/Sst : lt y brn to drk y brn	15.56	32.89	40.30	11.25	-	0021-1L
1429.00	ccp	S/Sst : lt gy to lt y gy	3.84	33.14	48.01	15.01	-	0024-1L
1430.00	ccp	S/Sst : brn gy	-	-	-	-	-	0006-1L

Table 5 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 7125/1-1

Depth unit of measure: m

Depth	Typ	Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
1432.00	ccp	S/Sst : lt gy to lt y gy	10.82	32.10	44.79	12.28	-	0025-1L
1433.00	ccp	S/Sst : brn gy	-	-	-	-	-	0005-1L

Table 6 : Relative amounts of n-octene,m+p xylene,phenol in percent for well NOCS 7125/1-1

Depth unit of measure: m

Depth	Typ	Lithology	n-octene	m+p xylene	phenol		Sample
1406.00	ccp	S/Sst : lt gy	-	-	-	-	0055-1L
1406.50	ccp	S/Sst : lt gy	-	-	-	-	0058-1L
1407.00	ccp	S/Sst : brn gy	-	-	-	-	0001-1L
1407.50	ccp	S/Sst : lt y brn to lt gy	20	66	14	-	0057-1L
1408.00	ccp	S/Sst : lt gy to lt brn gy	71	17	12	-	0020-1L
1409.00	ccp	S/Sst : drk y brn	20	64	16	-	0022-1L
1410.00	ccp	S/Sst : lt gy to lt brn gy to lt y brn	26	52	22	-	0016-1L
1411.00	ccp	S/Sst : lt brn gy to lt y brn	33	44	22	-	0019-1L
1412.00	ccp	S/Sst : lt y brn to drk y brn	21	42	37	-	0015-1L
1413.00	ccp	S/Sst : lt gy	-	-	-	-	0059-1L
1414.00	ccp	S/Sst : lt y brn to drk y brn	37	32	32	-	0014-1L
1415.00	ccp	S/Sst : lt gy to lt y brn	36	37	27	-	0013-1L
1416.00	ccp	S/Sst : brn gy	-	-	-	-	0002-1L
1417.00	ccp	S/Sst : lt y brn to drk y brn	16	65	18	-	0009-1L

Table 6 : Relative amounts of n-octene,m+p xylene,phenol in percent for well NOCS 7125/1-1

Depth unit of measure: m

Depth	Typ	Lithology	n-octene	m+p xylene	phenol		Sample
1418.00	ccp	S/Sst : drk y brn	27	65	8	-	0023-1L
1419.00	ccp	S/Sst : ol gy to lt y brn	38	54	8	-	0011-1L
1420.00	ccp	S/Sst : lt or to pl y brn	46	48	6	-	0017-1L
1421.00	ccp	S/Sst : brn gy	-	-	-	-	0003-1L
1421.50	ccp	S/Sst : lt y brn to lt gy	30	60	10	-	0056-1L
1422.00	ccp	S/Sst : lt y brn	43	50	7	-	0010-1L
1423.00	ccp	S/Sst : lt y brn to drk y brn	39	53	8	-	0012-1L
1424.00	ccp	S/Sst : lt y brn to lt gy	32	63	5	-	0008-1L
1425.00	ccp	S/Sst : drk y brn	35	58	7	-	0018-1L
1426.00	ccp	S/Sst : lt y brn to lt brn gy	45	46	9	-	0007-1L
1427.00	ccp	S/Sst : brn gy	-	-	-	-	0004-1L
1428.00	ccp	S/Sst : lt y brn to drk y brn	30	62	8	-	0021-1L
1429.00	ccp	S/Sst : lt gy to lt y gy	27	67	7	-	0024-1L
1430.00	ccp	S/Sst : brn gy	-	-	-	-	0006-1L

Table 6 : Relative amounts of n-octene,m+p xylene,phenol in percent for well NOCS 7125/1-1

Depth unit of measure: m

Depth	Typ	Lithology	n-octene	m+p xylene	phenol		Sample
1432.00	ccp	S/Sst : lt gy to lt y gy	42	53	5	-	0025-1L
1433.00	ccp	S/Sst : brn gy	-	-	-	-	0005-1L

Table 7: Variation in Triterpane Distribution for Well NOCS 7125/1-1

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
1406.00	S/Sst	0.80	0.44	0.10	0.38	0.27	0.09	0.08	0.20	0.07	0.03	0.90	0.29	0.14	64.08	0055-1
1411.00	S/Sst	0.73	0.42	0.10	0.36	0.27	0.08	-	-	-	0.08	0.90	0.28	0.13	65.91	0019-1
1413.00	S/Sst	0.51	0.34	0.07	0.42	0.29	0.15	-	-	-	0.04	0.87	0.30	0.17	66.38	0059-1
1416.00	S/Sst	0.78	0.44	0.08	0.35	0.26	0.11	0.06	0.17	0.06	-	0.88	0.27	0.15	61.11	0002-1
1417.00	S/Sst	0.50	0.33	0.07	0.31	0.24	0.13	0.06	0.18	0.05	0.05	0.90	0.26	0.15	63.48	0009-1
1421.00	S/Sst	0.67	0.40	0.10	0.36	0.27	0.11	0.05	0.14	0.05	0.08	0.90	0.29	0.16	60.00	0003-1
1421.50	S/Sst	0.55	0.35	0.10	0.34	0.25	0.09	0.08	0.22	0.07	0.13	0.89	0.28	0.16	59.09	0056-1
1425.00	S/Sst	0.61	0.38	0.08	0.38	0.28	0.09	-	-	-	0.04	0.89	0.28	0.14	57.69	0018-1
1427.00	S/Sst	0.50	0.33	0.09	0.35	0.26	0.10	0.04	0.10	0.03	0.08	0.90	0.28	0.14	59.52	0004-1
1430.00	S/Sst	0.59	0.37	0.08	0.37	0.27	0.07	-	-	-	0.03	0.89	0.28	0.14	61.02	0006-1
1432.00	S/Sst	0.64	0.39	0.09	0.38	0.27	0.11	0.04	0.12	0.04	0.04	0.92	0.29	0.11	60.16	0025-1

Table 8: Variation in Sterane Distribution (peak height) for Well NOCS 7125/1-1

Depth unit of measure: m

Depth	Lithology	Ratio1	Ratio2	Ratio3	Ratio4	Ratio5	Ratio6	Ratio7	Ratio8	Ratio9	Ratio10	Sample
1406.00	S/Sst	0.65	48.37	74.54	0.58	0.75	0.06	0.04	0.59	0.94	2.84	0055-1
1411.00	S/Sst	0.68	51.02	73.08	1.10	0.73	0.11	0.07	0.58	1.04	2.77	0019-1
1413.00	S/Sst	0.73	38.54	71.60	0.85	0.77	-	-	0.56	0.63	2.05	0059-1
1416.00	S/Sst	0.54	36.71	73.93	0.94	0.79	-	-	0.59	0.58	2.24	0002-1
1417.00	S/Sst	0.70	41.38	68.98	0.65	0.73	-	-	0.53	0.71	1.90	0009-1
1421.00	S/Sst	0.69	37.96	66.67	0.84	0.72	0.10	0.06	0.50	0.61	1.61	0003-1
1421.50	S/Sst	0.72	53.39	75.62	1.04	0.74	0.17	0.12	0.61	1.15	3.33	0056-1
1425.00	S/Sst	0.67	39.20	73.46	0.68	0.78	0.05	0.03	0.58	0.64	2.28	0018-1
1427.00	S/Sst	0.74	35.79	70.40	0.98	0.77	0.13	0.08	0.54	0.56	1.85	0004-1
1430.00	S/Sst	0.70	28.95	69.60	0.59	0.80	0.04	0.02	0.53	0.41	1.61	0006-1
1432.00	S/Sst	0.74	38.95	67.30	0.80	0.73	0.05	0.03	0.51	0.64	1.69	0025-1

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 9: Raw GCMS triterpane data (peak height) for Well NOCS 7125/1-1

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			
1406.00	S/Sst	6.00	4.00	5.00	5.50	6.00	20.00	16.00	9.50	47.00	0055-1
		11.00	9.00	124.00	14.50	46.50	27.50	6.00	33.00		
		18.50	21.00	17.00	13.00	9.00	7.50	4.50			
1411.00	S/Sst	8.00	9.00	8.00	5.00	10.00	20.00	14.50	0.00	43.00	0019-1
		9.50	8.00	119.00	13.00	38.00	22.50	5.50	29.00		
		15.00	22.00	12.00	14.00	11.00	8.00	6.50			
1413.00	S/Sst	7.00	5.00	5.50	4.00	8.00	19.50	10.00	0.00	46.50	0059-1
		16.50	10.00	112.00	17.00	40.00	26.50	13.00	38.50		
		19.50	27.50	15.00	16.50	12.50	8.50	5.50			
1416.00	S/Sst	0.00	0.00	0.00	0.00	9.00	13.50	10.50	6.50	38.00	0002-1
		11.50	7.50	108.50	14.50	37.50	30.00	6.50	33.00		
		21.00	21.00	11.00	15.00	8.00	7.00	6.00			
1417.00	S/Sst	6.00	5.50	8.50	4.50	10.00	20.00	10.00	7.00	38.00	0009-1
		16.00	9.50	121.00	14.00	44.00	29.50	7.00	36.50		
		21.00	22.00	17.50	16.00	10.50	10.00	5.00			

Table 9: Raw GCMS triterpane data (peak height) for Well NOCS 7125/1-1

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			
1421.00	S/Sst	10.00	9.00	9.00	6.00	10.00	21.50	14.50	6.00	43.50	0003-1
		13.00	11.50	120.00	14.00	37.50	25.50	5.00	30.00		
		20.00	20.00	15.00	11.50	9.50	6.50	5.00			
1421.50	S/Sst	9.50	15.00	10.00	7.00	10.00	27.50	15.00	9.00	41.00	0056-1
		11.00	12.00	120.00	14.50	35.00	24.00	5.00	26.00		
		18.00	20.00	12.50	17.50	8.00	5.50	5.00			
1425.00	S/Sst	8.00	5.00	10.50	0.00	9.00	19.00	11.50	0.00	46.00	0018-1
		11.00	8.00	121.00	15.50	42.00	26.00	6.00	30.00		
		22.00	23.00	15.00	15.50	9.50	6.00	5.00			
1427.00	S/Sst	15.00	9.50	13.00	7.50	10.50	26.00	13.00	4.00	40.00	0004-1
		11.50	9.50	113.00	12.00	38.00	22.50	7.00	25.00		
		17.00	25.50	15.50	17.50	7.50	7.00	7.00			
1430.00	S/Sst	3.00	3.50	6.50	0.00	7.00	19.50	11.50	0.00	45.50	0006-1
		9.00	8.50	123.00	15.00	45.50	27.00	7.00	36.00		
		23.00	22.00	16.00	16.00	11.00	7.50	4.50			

Table 9: Raw GCMS triterpane data (peak height) for Well NOCS 7125/1-1

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			
1432.00	S/Sst	4.50	5.50	7.00	3.50	6.00	22.00	14.00	5.50	47.00	0025-1
		14.00	9.00	125.00	10.50	45.00	27.00	6.50	37.00		
		24.50	23.50	15.50	15.50	9.00	7.50	5.00			

Table 10: Raw GCMS sterane data (peak height) for Well NOCS 7125/1-1 Page: 1

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					
1406.00	S/Sst	12.00	0.00	43.50	41.50	11.00	33.50	32.50	21.50	37.00	0055-1
		64.50	15.00	23.00	63.50	26.50	15.00	67.00	34.00		
		18.00	37.00	54.50	57.50	39.50					
1411.00	S/Sst	8.00	7.00	60.00	47.50	27.00	23.50	22.00	30.00	20.50	0019-1
		56.00	29.50	28.50	40.50	9.50	11.00	37.00	28.00		
		16.00	25.00	35.00	31.50	24.00					
1413.00	S/Sst	0.00	0.00	38.00	26.00	12.00	18.00	17.50	17.00	32.00	0059-1
		47.00	22.00	14.00	28.50	14.50	11.00	21.00	19.00		
		8.50	18.50	33.50	27.00	29.50					
1416.00	S/Sst	0.00	0.00	26.50	27.00	10.50	15.50	19.00	10.00	20.00	0002-1
		37.00	0.00	23.00	17.00	10.00	6.50	21.00	13.00		
		10.00	14.50	29.50	26.50	25.00					
1417.00	S/Sst	0.00	0.00	40.00	22.50	12.00	18.50	22.00	23.00	17.00	0009-1
		70.50	15.00	17.00	37.00	10.50	10.00	25.50	22.50		
		11.00	24.00	30.50	34.00	34.00					

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Table 10: Raw GCMS sterane data (peak height) for Well NOCS 7125/1-1 Page: 2

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					
1421.00	S/Sst	14.50	0.00	52.00	39.00	14.50	35.00	27.00	20.00	28.50	0003-1
		70.00	35.00	23.00	46.50	13.50	0.00	38.00	16.50		
		15.50	26.00	33.00	35.50	42.50					
1421.50	S/Sst	18.50	13.00	66.00	42.50	22.00	42.00	35.00	34.00	21.00	0056-1
		61.50	25.50	26.00	43.00	22.00	12.50	39.00	32.00		
		12.50	31.50	48.50	43.00	27.50					
1425.00	S/Sst	8.50	0.00	50.00	34.50	19.00	32.00	22.00	21.00	23.00	0018-1
		84.00	24.00	24.50	52.00	17.00	15.50	46.00	22.00		
		15.00	24.50	47.50	39.00	38.00					
1427.00	S/Sst	15.00	0.00	61.50	43.50	22.50	23.50	33.50	26.00	32.00	0004-1
		63.50	36.00	22.00	43.50	17.00	11.50	30.00	23.00		
		15.50	17.00	26.50	30.00	30.50					
1430.00	S/Sst	6.50	0.00	62.50	26.50	23.00	35.00	32.00	28.50	36.00	0006-1
		72.50	30.50	26.50	73.00	37.50	9.50	66.00	30.00		
		15.00	22.00	43.00	44.00	54.00					

Table 10: Raw GCMS sterane data (peak height) for Well NOCS 7125/1-1

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					
1432.00	S/Sst	9.00	0.00	67.50	44.00	18.50	30.00	31.50	30.50	31.50	0025-1
		85.00	27.00	24.00	51.00	27.00	13.00	36.50	31.50		
		14.00	33.50	42.50	46.00	52.50					

Table 11 : Tabulation of carbon isotope data for EOM/EOM - fractions or Oils for well NOCS 7125/1-1

Depth unit of measure: m

Depth	Typ	Lithology	EOM/Oil	Saturated	Aromatic	NSO	Asphaltenes	Sample
1406.00	ccp		-29.88	-30.76	-29.35	-28.88	-28.44	0055-1L
1411.00	ccp		-30.25	-31.27	-29.99	-29.45	-29.61	0019-1L
1413.00	ccp		-30.43	-31.95	-30.05	-29.55	-29.20	0059-1L
1416.00	ccp		-30.27	-31.15	-29.55	-28.78	-27.89	0002-1L
1417.00	ccp		-30.55	-31.29	-29.77	-29.39	-29.90	0009-1L
1421.00	ccp		-29.50	-31.35	-28.74	-27.45	-26.04	0003-1L
1421.50	ccp		-30.43	-30.95	-29.80	-29.26	-30.67	0056-1L
1425.00	ccp		-30.58	-31.11	-29.58	-29.32	-29.09	0018-1L
1427.00	ccp		-30.61	-31.20	-29.79	-28.16	-29.70	0004-1L
1430.00	ccp		-30.44	-31.06	-29.87	-29.12	-28.73	0006-1L
1432.00	ccp		-30.30	-30.91	-31.46	-29.85	-28.46	0025-1L