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Geochemical Report for

Well NOCS 1/6-7

Authors:

Kjell Arne Bakken

Ian L. Ferriday

Geolab Nor A/S

P.O. Box 5740 Fossegrenda

7002 Trondheim

Norway

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Chapter 1

INTRODUCTION

1.1 General Comments

Well NOCS 1/6-7 is located in the Central Graben in the Norwegian sector of the North Sea. The geochemical analyses were performed by Geolab Nor on behalf of Conoco Norway Inc. Unwashed samples in plastic bags were supplied by Conoco Norway Inc. In addition one "oil" sample from 2931 m was supplied. This had a semi-solid appearance and consisted of hydrocarbons mixed with drill mud. This mixture was collected from the shale shaker. Samples were analysed from 1010 m to 4981 m. The analytical program was set up in accordance with instructions from Conoco, after advice from Geolab Nor.

Samples for Rock-Eval and TOC analyses were selected on the basis of the lithology and the stratigraphic information supplied by Conoco, e.g. mostly dark shales for source rock studies and sandstones for examination of migrated hydrocarbons. Also samples are selected preferably in the imperically best groups based on the stratigraphic information. Samples outside this group were also analysed to see if there could be hydrocarbons or unexpected source rocks. Samples for vitrinite reflection were selected at regular intervals throughout the well from lithologies that Geolab Nor by experience has found to have the best chance of containing suitable phytoclasts. The Cretaceous section is known to have a very low phytoclast content, but a number of samples were selected, hoping that some would contain usable phytoclasts (one will usually find some samples). Samples for GC analyses were selected on the basis of the Rock-Eval results. Mostly samples with rich kerogen content (S_2) and/or rich hydrocarbon content (S_1) were analysed, but samples with more moderate kerogen and hydrocarbon contents were also analysed to get a better average picture of the kerogen and hydrocarbons. Samples for visual kerogen

examination were selected from Rock-Eval on the basis of kerogen content and TOC. Preferably, samples should have about 1 % TOC or more, with a good amount of kerogen for this analysis to be feasible. Samples for GC-MS analyses were selected on the basis of all other data, but with emphasis on the GC data. Samples from both potential source rocks and from possible migrated hydrocarbons were preferably analysed. This to look at possible correlations and/or type and maturity of source rocks/migrated hydrocarbons.

1.2 Analytical Program

<u>Analysis type</u>	<u>No of sample</u>	<u>Figures</u>	<u>Tables</u>
Lithology description	451	2	1
TOC	99	2	1,2
Rock-Eval pyrolysis	99	3,4,5	2
Thermal extraction GC (GHM, S ₁)	22	6a-g	
Pyrolysis GC (GHM, S ₂)	22	7a-g,8	3
Soxhlet Extraction of organic matter	14		
MPLC/HPLC separation	14		4a-d
Saturated hydrocarbon GC	14	9a-f	5
Aromatic hydrocarbon GC	14	10a-f	6
Vitrinite reflectance	84	11	7
Visual kerogen microscopy	16	12	7,8
GC - MS of saturated and aromatic HC	8	13a-k,14a-e	9a-i

Abbreviations

List of abbreviations used for lithology description (sorted alphabetically)

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

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

Experimental Procedures

Headspace Gas Analysis

The analysis is performed using a Perkin Elmer 8310 gas chromatograph with a 50 m Plot fused silica $\text{Al}_2\text{O}_3/\text{KCL}$ column, loop injector and flame ionization detector. Nitrogen is used as carrier gas and the column is run from 70°C to 200°C, at a rate of 12°C/min. Final hold time is 5 min.

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

Occluded Gas Analysis

The gas chromatograph used for this analysis is identical to that used for headspace gas analysis and is operated under the same conditions.

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

Total Organic Carbon (TOC) and Total Carbon Analysis

This analysis is performed using a LECO CS244 Carbon Analyser.

Hand-picked lithologies from cuttings samples are crushed with a mortar and pestle and approximately 200 mg (50 mg for coals) are accurately weighed into LECO crucibles. The samples are then treated three times with 10 % hydrochloric acid to

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

Total organic carbon can also be analysed on the Rock-Eval II Pyrolyser during the normal run of the instrument.

Rock-Eval Pyrolysis

This analysis is performed by using a Rock-Eval II Pyrolyser. Approximately 100 mg crushed whole rock is analysed. The sample is first heated at 300°C for three min in an atmosphere of helium to release the free hydrocarbons present (S1 peak) and then pyrolysed by increasing the temperature from 300°C to 600°C (temp. gradient 25°C/min) (S2 peak). Both the S1 and S2 yields are measured using a flame ionization detector (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 Rock-Eval II Pyrolyser also analyses the TOC of each sample during the normal run of the instrument.

Thermal Extraction/Pyrolysis Gas Chromatography

The instrument used for this analysis is a Varian 3400 Gas Chromatograph interfaced to a pyrolysis oven (the pyrolyser). Up to 15 mg of whole rock sample is loaded on the pyrolyser and heated isothermally, at 300°C, for 4 min, during which time thermal extraction of the free hydrocarbons occurs (equivalent to the S1 peak of the Rock-

Eval). The released gases pass to a 25 m OV1 column with a liquid nitrogen-cooled trap.

After 4 min the pyrolysis oven is temperature programmed up to 530°C, at a rate of 37°C/min, causing bound hydrocarbons to be released from the kerogen (equivalent to the S2 peak of the Rock-Eval). The released gases pass to a 25 m OV1 column with a liquid nitrogen-cooled trap.

The temperature program of the gas chromatograph oven, in which the columns are housed is -10°C to 290°C at a rate of 6°C/min.

Both the columns are linked to a FID.

Solvent Extraction of Organic Matter (EOM)

The samples are extracted using a Tecator Soxtec HT-System. Carefully weighed samples are taken in a pre-extracted thimble. Some activated copper is added to the extraction cup and dichloromethane is used as an extraction solvent. The samples are boiled for 1 hour and then rinsed for 2 hours. If the samples contain more than 10 % TOC, then the whole procedure is repeated once. The resulting solution is filtered and the solvent removed by rotary evaporation (200 mb, 30°C). The amount of EOM is gravimetrically established.

Removal of Asphaltenes

Asphaltenes are removed from the EOM by precipitation in n-pentane. N-pentane is added to the EOM and the solution is then stored in the dark and at ambient temperature for at least 8 hours. The solution is then filtered (Baker 10-spe system) and the precipitated asphaltenes dissolved in dichloromethane are returned to the original flask. The solvent is removed by rotary evaporation (200 mb and 30°C).

Chromatographic Separation of deasphalted EOM

Chromatographic separation is performed using an MPLC system developed by the company. The EOM (minus asphaltene) is injected into the MPLC and separated using hexane as an eluent. The saturated and aromatic hydrocarbon fractions are collected and the solvent removed using a rotary evaporator at 30°C. The fractions are then transferred to small pre-weighed vials and evaporated to dryness in a stream of nitrogen. The vials are re-weighed to obtain the weights of both the saturated and the aromatic fractions. The weight of the NSO fraction which is retained on the column, is obtained by weight difference.

Gas Chromatographic Analyses

Saturated hydrocarbon fractions:

The instrument used for this analysis is a PERKIN ELMER 8320 Gas Chromatograph equipped with an FID detector and an OV1 column. The carrier gas is helium and the temperature program runs from 80°C to 300°C at a rate of 4°C/min. Final hold time is 20 mins. The saturated hydrocarbon fraction is diluted by 1:30 and a 1 microlitre aliquot of this is injected into the instrument.

Aromatic hydrocarbon fractions:

The instrument used is a Varian 3400 Gas Chromatograph with a 25 m SE 54 capillary column, split injector and a column splitter leading to FID and FPD detectors, which allows simultaneous analysis of co-eluting hydrocarbons and sulphur compounds. The carrier gas is helium and the temperature program runs from 40°C to 290°C at a rate of 4°C/min. Final hold time is 10 mins. The aromatic hydrocarbon fraction is diluted by 1:30 and a 1 microlitre aliquot of this is injected into the instrument.

Whole Oil/Whole Extract

Whole oil chromatograms are determined on a Perkin Elmer Sigma 2000 gas chromatograph fitted with a split injector, 25 m SE54 capillary column and effluent splitter connected to FID and 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.

Vitrinite Reflectance Analysis

Samples to be analysed for vitrinite reflectance are ground to small granules (if necessary) using a pestle and mortar and are then mounted in a fast setting resin. The resin blocks are first ground flat using a coarse corundum paper to expose the rock granule surfaces and then with three finer grades of corundum paper to improve these surfaces and reduce scratches. The blocks are finally polished on a rotating Selvyt-covered lap using three grades of diamond suspension fluid. An appropriate lubricant is used when necessary.

Reflectance measurements are made under oil immersion at 546 nm using a Zeiss Universal Photo microscope II equipped with a HP 9000 series computer system. 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 15-20 individual particles per sample, but this is not always possible in samples with low amounts of phytoclasts.

Visual Kerogen Microscopy

Kerogen concentrates are obtained from samples prepared by HCl and HF digestion followed by zinc bromide flotation to remove pyrite and other heavy mineral residues.

The cleaned concentrates are mounted on slides by smearing, these being analysed microscopically in transmitted white light and UV light (530 nm barrier filter) to determine the Spore Colour or Thermal Alteration Indices (SCI or TAI) and the colour and intensity of spore fluorescence. The spore colour index, backed by spore fluorescence, is used as an alternative maturity parameter to verify the results obtained from vitrinite reflectance.

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 %
Moderate-orange	6	0.6 %
Dark orange	7	0.8 %
Dark orange/red	8	1.0 %
Spore fluorescence extinction	9	1.3 %

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

Combined Gas Chromatography - Mass Spectrometry (GC-MS)

The GC-MS analyses are performed on a VG TS250 system interfaced to a Hewlett Packard 5890 gas chromatograph. The GC is fitted with a fused silica SE54 capillary column (40 m x 0.22 mm i.d.) directly into the ion source. Helium (12 psi) is used as carrier gas and the injections are performed in splitless mode. The GC oven is programmed from 45°C to 150°C at 35°C/min, at which point the programme rate is 2°C/min up to 310°C where the column is held isothermally for 15 min. For the aromatic hydrocarbons, the GC oven is programmed from 50°C to 310°C at 5°C/min. and held isothermally at 310°C for 15 min. The mass spectrometer is operated in electron impact (EI) mode at 70 eV electron energy, a trap current of 500 uA and a source temperature of 220°C. The instrument resolution used is 1500 (10 % value).

The data system used is a VG PDP11/73 for acquiring data, and a Vax station 3100

for peak processing the data. The samples are analysed in multiple ion detection mode (MID) at a scan cycle time of approximately 1.1 sec.

Calculation of peak ratios is performed from peak heights in the appropriate mass fragmentograms.

Saturated Fractions

Terpanes

The most commonly used fragment ions for detection of terpanes are M/Z 163 for detection of 25,28,30 trisnormoretane or 25,28,30 trisnorhopane, M/Z 177 for detection of demethylated hopanes or moretanes, M/Z 191 for detection of tricyclic, tetracyclic- and pentacyclic terpanes and M/Z 205 for methylated hopanes or moretanes. The molecular ions M/Z 370 and 384 are also recorded for identification of C₂₇ and C₂₈ triterpanes respectively.

Steranes

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

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

Aromatic Fractions

Alkyl-substituted Benzenes

The M/Z 106 fragment ion is often used to detect the alkyl-substituted benzenes. It is especially useful for the detection of di-substituted benzenes. M/Z 134 can also be used for the detection of C₄-alkylbenzenes, but benzothiophene will also give a signal with this fragment ion.

Naphthalenes

Methyl naphthalenes are normally detected by the M/Z 142 fragment ion, while C₂-naphthalenes are detected by M/Z 156 and C₃-naphthalenes by M/Z 170.

Benzothiophenes and Dibenzothiophenes

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

Phenanthrenes

Phenanthrene is detected using the M/Z 178 fragment ion. Anthracene will, if present, also give a signal in the M/Z 178 fragment ion. Methyl-substituted phenanthrenes give signals in the M/Z 192 fragment ion, while the M/Z 206 fragment ion shows the dimethyl-substituted phenanthrenes and the M/Z 220 fragment ion shows the C₃ substituted phenanthrenes.

Aromatic Steranes

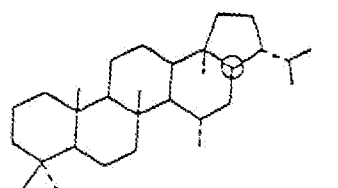
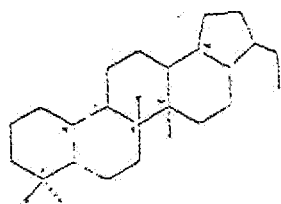
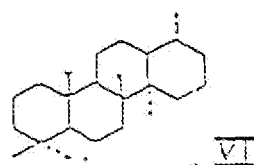
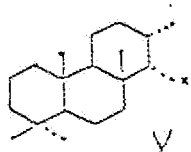
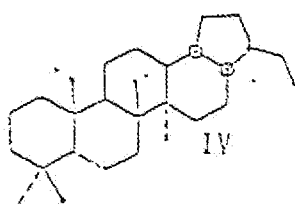
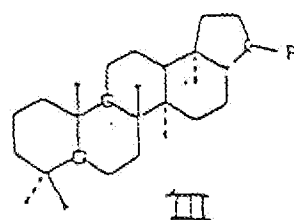
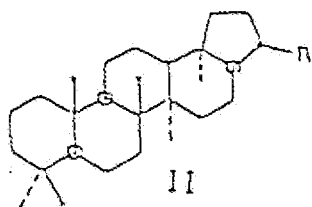
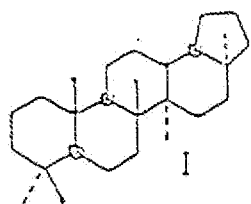
Monoaromatic steranes are detected using the M/Z 253 fragment ion, while the triaromatic steranes are detected using the M/Z 231 fragment ion.

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 (T _s)	C ₂₇ H ₄₄	(I)
B.	17 α trisnorhopane (T _m)	C ₂₇ H ₄₆	(II, R=H)
Z.	Bisnorhopane	C ₂₈ H ₄₈	(IV)
C.	$\alpha\beta$ norhopane	C ₂₉ H ₅₀	(II, R=C ₂ H ₅)
D.	$\beta\alpha$ norhopane	C ₂₉ H ₅₀	(III, R=C ₂ H ₅)
E.	$\alpha\beta$ hopane	C ₃₀ H ₅₂	(II, R=i-C ₃ H ₇)
F.	$\beta\alpha$ hopane	C ₃₀ H ₅₂	(III, R=i-C ₃ H ₇)
G.	22S $\alpha\beta$ homohopane	C ₃₁ H ₅₄	(II, R=i-C ₄ H ₉)
H.	22R $\alpha\beta$ homohopane	C ₃₁ H ₅₄	(II, R=i-C ₄ H ₉)
I.	$\beta\alpha$ homohopane	C ₃₁ H ₅₄	(III, R=i-C ₄ H ₉)
J.	22S $\alpha\beta$ bishomohopane	C ₃₂ H ₅₆	(II, R=i-C ₅ H ₁₁)
	22R $\alpha\beta$ bishomohopane	C ₃₂ H ₅₆	(II, R=i-C ₅ H ₁₁)
K.	22S $\alpha\beta$ trishomohopane	C ₃₃ H ₅₈	(II, R=i-C ₆ H ₁₃)
	22R $\alpha\beta$ trishomohopane	C ₃₃ H ₅₈	(II, R=i-C ₆ H ₁₃)
L.	22S $\alpha\beta$ tetrakishomohopane	C ₃₄ H ₆₀	(II, R=i-C ₇ H ₁₅)
	22R $\alpha\beta$ tetrakishomohopane	C ₃₄ H ₆₀	(II, R=i-C ₇ H ₁₅)
M.	22S $\alpha\beta$ pentakishomohopane	C ₃₅ H ₆₂	(II, R=i-C ₈ H ₁₇)
	22R $\alpha\beta$ pentakishomohopane	C ₃₅ H ₆₂	(II, R=i-C ₈ H ₁₇)
P.	Tricyclic terpane	C ₂₃ H ₄₂	(V, R=i-C ₄ H ₉)
Q.	Tricyclic terpane	C ₂₄ H ₄₄	(V, R=i-C ₅ H ₁₁)
R.	Tricyclic terpane (17R, 17S)	C ₂₅ H ₄₆	(V, R=i-C ₆ H ₁₃)
S.	Tetracyclic terpane	C ₂₄ H ₄₂	(VI)
T.	Tricyclic terpane (17R, 17S)	C ₂₆ H ₄₈	(V, R=i-C ₇ H ₁₅)
N.	Tricyclic terpane	C ₂₁ H ₃₈	(V, R=C ₂ H ₅)
O.	Tricyclic terpane	C ₂₂ H ₄₀	(V, R=C ₃ H ₇)
Y.	25,28,30-trisnorhopane/moretane	C ₂₇ H ₄₆	(VII)
X.	$\alpha\beta$ diahopane	C ₃₀ H ₅₂	(VIII)

STRUCTURES REPRESENTING TERPANES

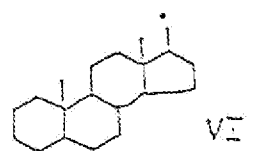
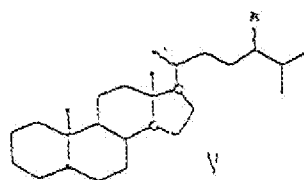
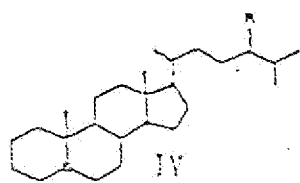
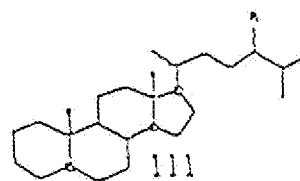
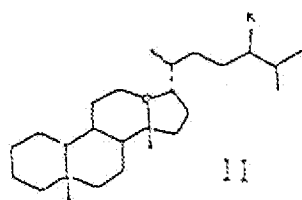
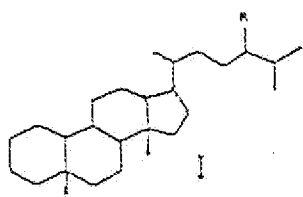


Mass Fragmentograms representing Steranes
(M/Z 149, 189, 217, 218, 259, 372, 386, 400 and 414)

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 $\beta\alpha$ diacholestane	$C_{27}H_{48}$	(I, R=H)
b.	20R $\beta\alpha$ diacholestane	$C_{27}H_{48}$	(I, R=H)
c.	20S $\alpha\beta$ diacholestane	$C_{27}H_{48}$	(II, R=H)
d.	20R $\alpha\beta$ diacholestane	$C_{27}H_{48}$	(II, R=H)
e.	20S $\beta\alpha$ 24-methyl-diacholestane	$C_{28}H_{50}$	(I, R=CH ₃)
f.	20R $\beta\alpha$ 24-methyl-diacholestane	$C_{28}H_{50}$	(I, R=CH ₃)
g.	20S $\alpha\beta$ 24-methyl-diacholestane	$C_{28}H_{50}$	(II, R=CH ₃)
	+ 20S $\alpha\alpha\alpha$ cholestane	$C_{27}H_{48}$	(III, R=H)
h.	20S $\beta\alpha$ 24-ethyl-diacholestane	$C_{29}H_{52}$	(II, R=C ₂ H ₅)
	+ 20R $\alpha\beta\beta$ cholestane	$C_{27}H_{48}$	(IV, R=H)
i.	20S $\alpha\beta\beta$ cholestane	$C_{27}H_{48}$	(IV, R=H)
	+ 20R $\alpha\beta$ 24-methyl-diacholestane	$C_{28}H_{50}$	(II, R=CH ₃)
j.	20R $\alpha\alpha\alpha$ cholestane	$C_{27}H_{48}$	(III, R=H)
k.	20R $\beta\alpha$ 24-ethyl-diacholestane	$C_{29}H_{52}$	(I, R=C ₂ H ₅)
l.	20R $\alpha\beta$ 24-ethyl-diacholestane	$C_{29}H_{52}$	(II, R=C ₂ H ₅)
m.	20S $\alpha\alpha\alpha$ 24-methyl-cholestane	$C_{28}H_{50}$	(III, R=CH ₃)
n.	20R $\alpha\beta\beta$ 24-methyl-cholestane	$C_{28}H_{50}$	(IV, R=CH ₃)
	+ 20R $\alpha\beta$ 24-ethyl-diacholestane	$C_{29}H_{52}$	(II, R=C ₂ H ₅)
o.	20S $\alpha\beta\beta$ 24-methyl-cholestane	$C_{28}H_{50}$	(IV, R=CH ₃)
p.	20R $\alpha\alpha\alpha$ 24-methyl-cholestane	$C_{28}H_{50}$	(III, R=CH ₃)
q.	20S $\alpha\alpha\alpha$ 24-ethyl-cholestane	$C_{29}H_{52}$	(III, R=C ₂ H ₅)
r.	20R $\alpha\beta\beta$ 24-ethyl-cholestane	$C_{29}H_{52}$	(IV, R=C ₂ H ₅)
s.	20S $\alpha\beta\beta$ 24-ethyl-cholestane	$C_{29}H_{52}$	(IV, R=C ₂ H ₅)
t.	20R $\alpha\alpha\alpha$ 24-ethyl-cholestane	$C_{29}H_{52}$	(III, R=C ₂ H ₅)
u.	5 α sterane	$C_{21}H_{36}$	(VI, R=C ₂ H ₅)
v.	5 α sterane	$C_{22}H_{38}$	(VI, R=C ₃ H ₇)

STRUCTURES REPRESENTING STERANES

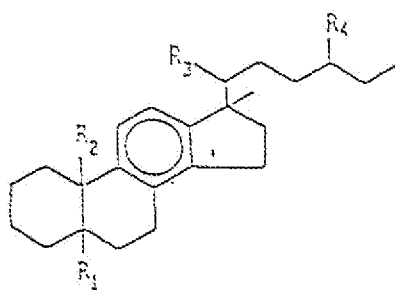
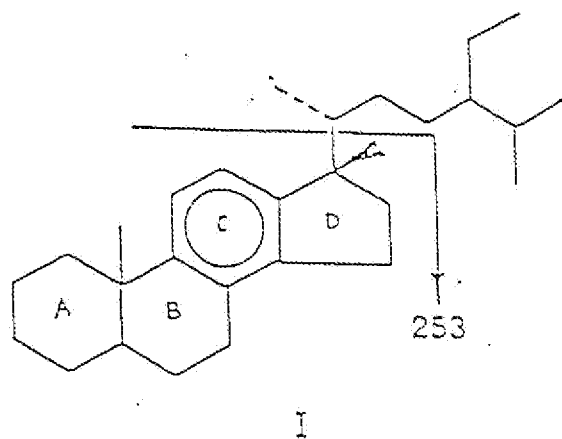


Mass Fragmentograms representing Monoaromatic Steranes (M/Z 253)

Description of C-ring monoaromatic steroid hydrocarbons

Peak	R ₁	Substituents R ₂ R ₃		R ₄	Abbreviation of Compound
A1					C ₂₁ M
B1					C ₂₂ MA
C1	β(H)	CH ₃	S(CH ₃)	H	βSC ₂₇ MA
	β(H)	CH ₃	R(CH ₃)	H	βRC ₂₇ MA
D1	CH ₃	H	R(CH ₃)	H	RC ₂₇ DMA
	α(H)	CH ₃	S(CH ₃)	H	αSC ₂₇ MA
E1	β(H)	CH ₃	S(CH ₃)	CH ₃	βSC ₂₈ MA
	CH ₃	H	S(CH ₃)	CH ₃	SC ₂₈ DMA
F1	α(H)	CH ₃	R(CH ₃)	H	αRC ₂₇ MA
	α(H)	CH ₃	S(CH ₃)	CH ₃	αSC ₂₈ MA
	β(H)	CH ₃	R(CH ₃)	CH ₃	βRC ₂₈ MA
G1	CH ₃	H	R(CH ₃)	CH ₃	RC ₂₈ DMA
	β(H)	CH ₃	S(CH ₃)	C ₂ H ₅	βSC ₂₉ MA
	CH ₃	H	S(CH ₃)	C ₂ H ₅	SC ₂₉ DMA
	α(H)	CH ₃	R(CH ₃)	CH ₃	αRC ₂₈ MA
H1	β(H)	CH ₃	R(CH ₃)	C ₂ H ₅	βRC ₂₉ MA
	CH ₃	H	R(CH ₃)	C ₂ H ₅	RC ₂₉ DMA
I1	α(H)	CH ₃	R(CH ₃)	C ₂ H ₅	αRC ₂₉ MA

STRUCTURES REPRESENTING MONOAROMATIC STERANES

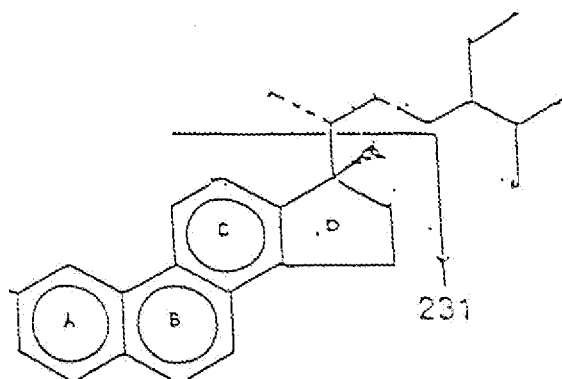


Mass Fragmentograms representing Triaromatic Steranes (M/Z 231)

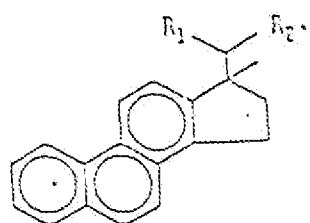
Description of ABC-ring triaromatic steroid hydrocarbons

Peak	Substituents		Abbreviation of Compound
	R ₁	R ₂	
a1	CH ₃	H	C ₂₀ TA
b1	CH ₃	CH ₃	C ₂₁ TA
c1	S(CH ₃)	C ₆ H ₁₋₃	SC ₂₆ TA
d1	R(CH ₃)	C ₆ H ₁₃	RC ₂₆ TA
	S(CH ₃)	C ₇ H ₁₅	SC ₂₇ TA
e1	S(CH ₃)	C ₈ H ₁₇	SC ₂₈ TA
f1	S(CH ₃)	C ₇ H ₁₅	RC ₂₇ TA
g1	R(CH ₃)	C ₈ H ₁₇	RC ₂₈ TA

STRUCTURES REPRESENTING TRIAROMATIC STERANES



II



Stable Carbon Isotope Ratio Mass Spectrometry

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

The combustion temperature is 1020°C and the carrier gas used was Helium. After the combustion H₂O and CO₂ are trapped in individual cool traps. The CO₂ gas is then heated up before admission into the mass spectrometer. The whole operation is controlled by an IBM PC50 computer system.

δ-values

The isotope ratios are given as δ-values in ‰ versus the PDB-standard:

$$\delta^{13}\text{C} = \left(\frac{R_{\text{sample}} - R_{\text{standard}}}{R_{\text{standard}}} \right) \times 1000$$
$$R = {}^{13}\text{C}/{}^{12}\text{C}$$

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

Reproducibility

The precision of the combustion system and the mass spectrometer is controlled by determination of an international calibrated standard, NBS22 oil and a house standard carbon. Replicate analyses are also performed on samples.

Appendix 1

Tables

- 1 -

Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1010.00						0066
	0.34	100	Sh/Clst:	y gy, or gy, lt gy to lt ol gy,		0066-1L
				calc, slt, mic		0066-2L
			tr Cont	: prp		
1020.00						0065
			100 Sh/Clst:	gy pi to lt gy, calc, slt, mic		0065-1L
			tr Cont	: prp, dd		0065-2L
1030.00						0064
			100 Sh/Clst:	lt gy, calc, slt, mic		0064-1L
			tr Cont	: prp, dd		0064-2L
1040.00						0063
			60 Sh/Clst:	lt ol gy to ol gy, calc, slt, mic		0063-1L
			40 Cont	: prp, dd		0063-2L
			tr Other	: fos		0063-3L
1050.00						0062
			100 Sh/Clst:	lt ol gy to ol gy, gy blk, calc,		0062-1L
				slt, mic		0062-2L
			tr Cont	: prp, dd		0062-3L
			tr Other	: pyr, fos		
1060.00						0061
			100 Sh/Clst:	lt ol gy to ol gy, gy blk, calc,		0061-1L
				slt, mic		0061-2L
			tr Cont	: prp, dd		0061-3L
			tr Other	: pyr, fos		

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1070.00						0060
			50	Sh/Clst: lt ol gy to ol gy, gy blk, calc, slt, mic		0060-1L
			45	Cont : prp, dd		0060-2L
			5	Other : pyr, fos		0060-3L
1080.00						0059
			80	Cont : prp, dd		0059-2L
			10	Sh/Clst: w to lt ol gy, drk gy, calc, slt, mic		0059-1L
			10	Other : pyr, fos		0059-3L
1097.00						0058
			100	Sh/Clst: w to lt ol gy, calc, slt, mic		0058-1L
			tr	Cont : prp, dd		0058-2L
			tr	Other : pyr, fos		0058-3L
1100.00						0057
	1.40		80	Sh/Clst: ol gy to m drk gy, calc, slt, mic		0057-1L
			10	Cont : prp, dd		0057-2L
			10	Other : pyr, fos		0057-3L
1110.00						0056
			95	Sh/Clst: ol gy to m drk gy, calc, slt, mic		0056-1L
			5	Cont : prp, dd		0056-2L
			tr	Other : pyr, fos		0056-3L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1120.00						0055
				80 Cont : prp, dd		0055-2L
				20 Sh/Clst: ol gy to m drk gy, calc, slt, mic		0055-1L
				tr Other : pyr, fos		0055-3L
1130.00						0054
				90 Sh/Clst: ol gy to m drk gy, calc, slt, mic		0054-1L
				10 Cont : prp, dd		0054-2L
				tr Other : pyr, fos		0054-3L
1140.00						0053
				100 Sh/Clst: ol gy to m drk gy, calc, slt, mic		0053-1L
				tr Cont : prp		0053-2L
				tr Other : pyr, fos		0053-3L
1150.00						0052
				100 Sh/Clst: brn gy to m drk gy, calc, slt, mic		0052-1L
				tr Cont : prp		0052-2L
				tr Other : pyr, fos		0052-3L
1160.00						0051
				100 Sh/Clst: brn gy to m drk gy, calc, slt, mic		0051-1L
				tr Cont : prp		0051-2L
				tr Other : pyr, fos		0051-3L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1170.00						0050
		100	Sh/Clst:	brn gy to m drk gy, calc, slt, mic		0050-1L
			tr Cont	: prp		0050-2L
			tr Other	: pyr, fos		0050-3L
1180.00						0049
		100	Sh/Clst:	brn gy to m drk gy, calc, slt, mic		0049-1L
			tr Cont	: prp		0049-2L
			tr Other	: pyr, fos		0049-3L
1190.00						0048
		100	Sh/Clst:	brn gy to m drk gy, calc, slt, mic		0048-1L
			tr Cont	: prp		0048-2L
			tr Other	: pyr, fos		0048-3L
1200.00						0047
		100	Sh/Clst:	brn gy to m drk gy, calc, slt, mic		0047-1L
			tr Cont	: prp		0047-2L
			tr Other	: pyr, fos, glauc		0047-3L
1210.00						0046
	1.59	100	Sh/Clst:	brn gy to m drk gy, calc, slt, mic		0046-1L
			tr Cont	: prp		0046-2L
			tr Other	: pyr, fos, glauc		0046-3L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1220.00						0045
			100	Sh/Clst: brn gy to m drk gy, calc, slt, mic		0045-1L
			tr	Cont : prp		0045-2L
			tr	Other : pyr, fos, glauc		0045-3L
1230.00						0044
			90	Sh/Clst: lt gy, brn gy to m drk gy, calc, slt, mic		0044-1L
			10	Cont : prp		0044-2L
			tr	Other : pyr		0044-3L
1240.00						0043
			100	Sh/Clst: lt gy, brn gy to m drk gy, calc, slt, mic		0043-1L
			tr	Cont : prp		0043-2L
			tr	Other : pyr, fos		0043-3L
1250.00						0042
			100	Sh/Clst: lt gy, brn gy to m drk gy, calc, slt, mic		0042-1L
			tr	Cont : prp		0042-2L
			tr	Other : pyr, fos		0042-3L
1260.00						0041
			85	Sh/Clst: brn gy to m drk gy, calc, slt, mic		0041-1L
			10	Cont : Mica-ad, prp, ns		0041-2L
			5	Other : fos		0041-3L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1270.00						0040
			65	Cont		0040-2L
			35	Sh/Clst:	ol gy, calc, slt	0040-1L
1280.00						0039
			50	Sh/Clst:	ol gy, calc, slt	0039-1L
			50	Cont	: Mica-ad, prp, ns	0039-2L
1290.00						0038
			100	Sh/Clst:	ol gy, calc, slt	0038-1L
			tr	Cont	: Mica-ad, prp	0038-2L
1300.00						0037
	1.63		100	Sh/Clst:	ol gy to lt ol gy, calc, slt	0037-1L
			tr	Cont	: Mica-ad, prp	0037-2L
1310.00						0036
			95	Sh/Clst:	ol gy, lt brn gy, slt	0036-1L
			5	Cont	: Mica-ad, prp, ns	0036-2L
1320.00						0035
			60	Cont	: Mica-ad, prp, ns	0035-2L
			40	Sh/Clst:	ol gy, lt brn gy, slt	0035-1L
1330.00						0034
			85	Cont	: Mica-ad, prp, ns	0034-2L
			15	Sh/Clst:	ol gy, lt brn gy, slt	0034-1L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1340.00						0033
				95 Sh/Clst: ol gy, lt brn gy, slt		0033-1L
				5 Cont : Mica-ad, prp, ns		0033-2L
1350.00						0032
				95 Sh/Clst: ol gy, lt brn gy, slt		0032-1L
				5 Cont : Mica-ad, prp, ns		0032-2L
1360.00						0031
				90 Sh/Clst: ol gy, lt brn gy, slt		0031-1L
				10 Cont : Mica-ad, prp, ns		0031-2L
1370.00						0030
				90 Sh/Clst: ol gy, lt brn gy, slt		0030-1L
				10 Cont : Mica-ad, prp, ns		0030-2L
1380.00						0029
				80 Cont : Mica-ad, prp, ns		0029-2L
				20 Sh/Clst: ol gy		0029-1L
1390.00						0027
				60 Sh/Clst: ol gy, lt brn gy		0027-1L
				40 Cont : Mica-ad, prp, ns		0027-2L
				tr Sh/Clst: w to lt gy, calc		0027-3L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1400.00						0002
				70 Cont : prp, ns		0002-2L
				30 Sh/Clst: ol gy to ol blk, mic		0002-1L
1410.00						0003
	1.15	100		Sh/Clst: ol gy to ol blk, mic		0003-1L
				tr Cont : prp		0003-2L
1427.00						0004
				100 Sh/Clst: ol gy to ol blk, mic		0004-1L
				tr Cont : prp		0004-2L
				tr Other : mic, fos		0004-3L
1430.00						0005
				100 Sh/Clst: ol gy to lt ol gy, mic		0005-1L
				tr Cont : prp, ns		0005-2L
				tr Other : mic		0005-3L
				tr Sh/Clst: pl or, slt		0005-4L
1440.00						0006
				100 Sh/Clst: ol gy to lt ol gy, mic		0006-1L
				tr Cont : prp, ns		0006-2L
				tr Other : mic, fos		0006-3L
				tr Sh/Clst: pl or, slt		0006-4L
1450.00						0007
				90 Sh/Clst: ol gy to lt ol gy, mic		0007-1L
				10 Other : mic, fos		0007-3L
				tr Cont : prp, ns		0007-2L
				tr Sh/Clst: pl or, slt		0007-4L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1460.00						0008
				90 Sh/Clst: ol gy to lt ol gy, mic		0008-1L
				10 Other : mic, fos		0008-3L
				tr Cont : prp, ns		0008-2L
				tr Sh/Clst: pl or, slt		0008-4L
1470.00						0009
				100 Sh/Clst: ol gy to lt ol gy, mic		0009-1L
				tr Cont : prp, ns		0009-2L
				tr Other : mic, fos		0009-3L
1480.00						0010
				100 Sh/Clst: ol gy to lt ol gy, mic		0010-1L
				tr Cont : prp, ns		0010-2L
				tr Other : mic, fos		0010-3L
1497.00						0011
				100 Sh/Clst: ol gy to lt ol gy, mic		0011-1L
				tr Cont : prp, ns		0011-2L
				tr Other : mic, fos		0011-3L
1500.00						0012
	0.93			100 Sh/Clst: ol gy to lt ol gy, mic		0012-1L
				tr Cont : prp, ns		0012-2L
				tr Other : mic		0012-3L
				tr Sh/Clst: pl or, calc, slt		0012-4L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1510.00						0013
				100 Sh/Clst: ol gy to lt ol gy, mic		0013-1L
				tr Cont : prp, ns		0013-2L
				tr Other : mic, fos		0013-3L
				tr Sh/Clst: pl or, calc, slt		0013-4L
1530.00						0014
				100 Sh/Clst: ol gy to lt ol gy, mic		0014-1L
				tr Cont : prp, ns		0014-2L
				tr Other : mic		0014-3L
				tr Sh/Clst: pl y brn to pl or, calc, slt		0014-4L
1540.00						0015
				100 Sh/Clst: ol gy to lt ol gy, mic		0015-1L
				tr Cont : prp, ns		0015-2L
				tr Other : mic, fos		0015-3L
1550.00						0016
				100 Sh/Clst: ol gy to lt ol gy, calc, mic		0016-1L
				tr Cont : prp, ns		0016-2L
				tr Other : mic, fos		0016-3L
				tr Sh/Clst: drk or y to pl y brn		0016-4L
1560.00						0017
				100 Sh/Clst: ol gy to lt ol gy, calc, mic		0017-1L
				tr Other : mic		0017-2L
				tr Sh/Clst: y gy to or gy, calc		0017-3L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1570.00						0018
				100 Sh/Clst: ol gy to lt ol gy, calc, mic		0018-1L
				tr Other : mic		0018-2L
				tr Sh/Clst: drk or y to pl y brn, calc		0018-3L
1580.00						0019
				95 Sh/Clst: ol gy to lt ol gy, calc, mic		0019-1L
				5 Sh/Clst: y gy to or gy, calc		0019-3L
				tr Other : mic, fos		0019-2L
1590.00						0020
				100 Sh/Clst: ol gy to lt ol gy, calc, mic		0020-1L
				tr Other : pyr, mic, fos		0020-2L
				tr Sh/Clst: y gy to or gy, calc		0020-3L
				tr Cont : prp, ns		0020-4L
1600.00						0021
				100 Sh/Clst: ol gy to lt ol gy, calc, mic		0021-1L
				tr Other : pyr, mic, fos		0021-2L
				tr Sh/Clst: y gy, calc		0021-3L
				tr Cont : prp, ns		0021-4L
1610.00						0022
				100 Sh/Clst: ol gy to lt ol gy, calc, mic		0022-1L
				tr Other : pyr, mic		0022-2L
				tr Cont : prp, ns		0022-3L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1630.00						0023
				100 Sh/Clst: ol gy to lt ol gy, calc, mic		0023-1L
				tr Other : pyr, mic		0023-2L
				tr Cont : prp, ns		0023-3L
1650.00						0024
	0.78			95 Sh/Clst: ol gy to lt ol gy, calc, mic		0024-1L
				5 Cont : prp, ns		0024-3L
				tr Other : pyr, mic		0024-2L
1670.00						0025
				100 Sh/Clst: ol gy to lt ol gy, calc, mic		0025-1L
				tr Other : mic		0025-2L
				tr Cont : prp, ns		0025-3L
1690.00						0026
				100 Sh/Clst: ol gy to lt ol gy, calc, mic		0026-1L
				tr Other : mic		0026-2L
				tr Cont : prp, ns		0026-3L
1700.00						0067
				100 Sh/Clst: ol gy to lt ol gy, mic		0067-1L
				tr Cont : ns		0067-2L
1710.00						0068
				100 Sh/Clst: w to lt ol gy, calc, mic		0068-1L
				tr Cont : ns		0068-2L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
1720.00						0069
			90 Sh/Clst: w to lt ol gy, calc, mic			0069-1L
			10 Sh/Clst: ol gy, mic			0069-3L
			tr Cont : ns			0069-2L
1730.00						0070
			90 Sh/Clst: w to lt ol gy, calc, mic			0070-1L
			10 Sh/Clst: ol gy, mic			0070-3L
			tr Cont : ns			0070-2L
1740.00						0071
			90 Sh/Clst: w to lt ol gy, calc, mic			0071-1L
			10 Sh/Clst: ol gy, mic			0071-3L
			tr Cont : ns			0071-2L
1750.00						0072
			50 Sh/Clst: lt ol gy, calc, mic			0072-1L
			50 Sh/Clst: ol gy, mic			0072-3L
			tr Cont : ns			0072-2L
1760.00						0073
			60 Sh/Clst: drk y brn, mic			0073-3L
			40 Sh/Clst: lt ol gy, calc, mic			0073-1L
			tr Cont : ns			0073-2L
1770.00						0074
			90 Sh/Clst: lt ol gy, calc, mic			0074-1L
			10 Sh/Clst: drk y brn, mic			0074-3L
			tr Cont : ns			0074-2L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
1780.00						0075
		100	Sh/Clst: lt ol gy to drk y brn, calc, mic			0075-1L
		tr Cont	: ns			0075-2L
1790.00						0076
		100	Sh/Clst: lt ol gy to drk y brn, calc, mic			0076-1L
		tr Cont	: ns			0076-2L
1800.00						0077
	1.77	100	Sh/Clst: lt ol gy to drk y brn, calc, mic			0077-1L
		tr Cont	: ns			0077-2L
1810.00						0078
		100	Sh/Clst: lt ol gy to drk y brn, calc, mic			0078-1L
1820.00						0079
		100	Sh/Clst: lt ol gy to drk y brn, calc, mic			0079-1L
1830.00						0080
		100	Sh/Clst: lt ol gy to drk y brn, calc, mic			0080-1L
		tr Cont	: ns			0080-2L
1840.00						0081
		100	Sh/Clst: lt ol gy to drk y brn, calc, mic			0081-1L
		tr Cont	: ns			0081-2L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1850.00						0082
			100	Sh/Clst: lt ol gy to drk y brn, calc, mic		0082-1L
			tr	Cont : ns		0082-2L
			tr	Ca : w, cly		0082-3L
1860.00						0083
			100	Sh/Clst: lt ol gy to drk y brn, calc, mic		0083-1L
			tr	Cont : ns		0083-2L
			tr	Ca : w, cly		0083-3L
1870.00						0084
			100	Sh/Clst: lt ol gy to drk y brn, calc, mic		0084-1L
			tr	Cont : ns		0084-2L
			tr	Ca : w, cly		0084-3L
1880.00						0085
			100	Sh/Clst: lt ol gy to drk y brn, calc, mic		0085-1L
			tr	Cont : ns		0085-2L
1890.00						0086
			100	Sh/Clst: lt ol gy to drk y brn, calc, mic		0086-1L
			tr	Cont : ns		0086-2L
1900.00						0087
			100	Sh/Clst: lt ol gy to drk y brn, calc, mic		0087-1L
			tr	Cont : ns		0087-2L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1910.00						0088
				100 Sh/Clst: lt ol gy to drk y brn, calc, mic		0088-1L
				tr Cont : ns		0088-2L
				tr Other : fos		0088-3L
1920.00						0089
				100 Sh/Clst: lt ol gy to drk y brn to dsk y		0089-1L
				brn, calc, mic		
				tr Cont : ns		0089-2L
				tr Other : fos		0089-3L
1930.00						0090
				100 Sh/Clst: lt ol gy to drk y brn to dsk y		0090-1L
				brn, calc, mic		
				tr Cont : ns		0090-2L
				tr Other : fos		0090-3L
1940.00						0091
				100 Sh/Clst: lt ol gy to drk y brn to dsk y		0091-1L
				brn, calc, mic		
				tr Cont : ns		0091-2L
				tr Other : fos		0091-3L
1950.00						0092
	2.02			100 Sh/Clst: lt ol gy to drk y brn to dsk y		0092-1L
				brn, calc, mic		
				tr Cont : ns		0092-2L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
1960.00						0093
		100	Sh/Clst:	lt ol gy to drk y brn to dsk y brn, calc, mic		0093-1L
		tr Cont	:	ns		0093-2L
1970.00						0094
		100	Sh/Clst:	lt ol gy to drk y brn, calc, mic		0094-1L
1980.00						0095
		100	Sh/Clst:	lt ol gy to drk y brn, calc, mic		0095-1L
1990.00						0096
		100	Sh/Clst:	lt ol gy to drk y brn, calc, mic		0096-1L
2000.00						0097
		100	Sh/Clst:	lt ol gy to drk y brn, calc, mic		0097-1L
2010.00						0098
		100	Sh/Clst:	lt ol gy to drk y brn, calc, mic		0098-1L
		tr Cont	:	ns		0098-2L
2020.00						0099
		100	Sh/Clst:	lt ol gy to drk y brn, calc, mic		0099-1L
		tr Cont	:	ns		0099-2L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
2030.00						0100
		100	Sh/Clst: lt ol gy to drk y brn, calc, mic			0100-1L
		tr Cont	: ns			0100-2L
2040.00						0101
		100	Sh/Clst: lt ol gy to drk y brn, calc, mic			0101-1L
		tr Cont	: ns			0101-2L
2050.00						0102
		100	Sh/Clst: lt ol gy to drk y brn, calc, mic			0102-1L
		tr Cont	: y gy, Mica-ad, prp, ns			0102-2L
2060.00						0103
		100	Sh/Clst: lt ol gy to pl y brn, calc, mic			0103-1L
		tr Cont	: y gy, Mica-ad, prp, ns			0103-2L
2070.00						0104
		100	Sh/Clst: lt ol gy to pl y brn, calc, mic			0104-1L
		tr Ca	: drk y brn, dol			0104-2L
2080.00						0105
		100	Sh/Clst: lt ol gy to pl y brn, calc, mic			0105-1L
		tr Ca	: drk y brn, dol			0105-2L
2090.00						0106
		100	Sh/Clst: lt ol gy to pl y brn, calc, mic			0106-1L
		tr Ca	: drk y brn, dol			0106-2L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
2100.00						0107
	1.95	100	Sh/Clst: lt ol gy to pl y brn, calc, mic			0107-1L
			tr Ca : drk y brn, dol			0107-2L
2110.00						0108
		100	Sh/Clst: lt ol gy to drk y brn to pl y			0108-1L
			brn, calc, mic			
2120.00						0109
		100	Sh/Clst: lt ol gy to drk y brn to pl y			0109-1L
			brn, calc, mic			
2130.00						0110
		100	Sh/Clst: lt ol gy to drk y brn to pl y			0110-1L
			brn, calc, mic			
2140.00						0111
		100	Sh/Clst: lt ol gy to drk y brn to pl y			0111-1L
			brn, calc, mic			
		tr	Sh/Clst: y gy, calc			0111-2L
		tr Ca	: drk y brn, dol			0111-3L
2150.00						0112
		100	Sh/Clst: lt ol gy to drk y brn to pl y			0112-1L
			brn, calc, mic			
		tr	Sh/Clst: y gy, calc			0112-2L
		tr Ca	: drk y brn, dol			0112-3L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2160.00						0113
		100	Sh/Clst:	lt ol gy to drk y brn to pl y brn, calc, mic		0113-1L
			tr Sh/Clst:	y gy, calc		0113-2L
			tr Ca	: drk y brn, dol		0113-3L
2170.00						0114
		100	Sh/Clst:	lt ol gy to drk y brn to pl y brn, calc, mic		0114-1L
			tr Sh/Clst:	y gy, calc		0114-2L
2180.00						0115
		100	Sh/Clst:	lt ol gy to drk y brn to pl y brn, calc, mic		0115-1L
			tr Sh/Clst:	y gy, calc		0115-2L
			tr Ca	: drk y brn, dol		0115-3L
2190.00						0116
		100	Sh/Clst:	lt ol gy to drk y brn to pl y brn, calc, mic		0116-1L
			tr Sh/Clst:	y gy, calc		0116-2L
			tr Ca	: drk y brn, dol		0116-3L
2200.00						0117
		95	Sh/Clst:	lt ol gy to drk y brn to pl y brn, calc, mic		0117-1L
		5	Ca	: drk y brn, dol		0117-3L
			tr Sh/Clst:	y gy, calc		0117-2L
			tr Other	: pyr, fos		0117-4L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2210.00						0118
			95	Sh/Clst: lt ol gy to drk y brn to pl y brn, calc, mic		0118-1L
			5	Ca : drk y brn, dol		0118-3L
			tr	Sh/Clst: y gy, calc		0118-2L
			tr	Cont : prp		0118-4L
2220.00						0119
			95	Sh/Clst: lt ol gy to drk y brn to pl y brn, calc, mic		0119-1L
			5	Ca : drk y brn, dol		0119-3L
			tr	Sh/Clst: y gy, calc		0119-2L
			tr	Other : fos		0119-4L
2230.00						0120
			95	Sh/Clst: lt ol gy to drk y brn to pl y brn, calc, mic		0120-1L
			5	Ca : drk y brn, dol		0120-3L
			tr	Sh/Clst: y gy, calc		0120-2L
			tr	Other : fos		0120-4L
2240.00						0121
			100	Sh/Clst: lt ol gy to drk y brn to pl y brn, calc, mic		0121-1L
			tr	Ca : drk y brn, dol		0121-2L
2250.00						0122
	2.65		100	Sh/Clst: lt ol gy to drk y brn to pl y brn, calc, mic		0122-1L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2260.00						0123
				100 Sh/Clst: drk y brn to pl y brn, calc, mic		0123-1L
				tr Other : fos		0123-2L
2270.00						0124
				100 Sh/Clst: lt ol gy to drk y brn to pl y		0124-1L
				brn, calc, mic		
				tr Other : fos		0124-2L
2280.00						0125
				100 Sh/Clst: lt ol gy to drk y brn to pl y		0125-1L
				brn, calc, mic		
				tr Sh/Clst: y gy, calc		0125-2L
2290.00						0126
				100 Sh/Clst: lt ol gy to drk y brn to pl y		0126-1L
				brn, calc, mic		
				tr Ca : drk y brn, dol		0126-2L
2300.00						0127
				100 Sh/Clst: lt ol gy to drk y brn to pl y		0127-1L
				brn, calc, mic		
				tr Ca : drk y brn, dol		0127-2L
2310.00						0128
				100 Sh/Clst: lt ol gy to dsk y brn, calc, mic		0128-1L
				tr Sh/Clst: w to y gy, calc		0128-2L
				tr Cont : prp		0128-3L
				tr Other : fos		0128-4L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2320.00						0129
				100 Sh/Clst: lt ol gy to dsk y brn, calc, mic		0129-1L
				tr Sh/Clst: w to y gy, calc		0129-2L
				tr Ca : drk y brn, dol		0129-3L
				tr Cont : prp		0129-4L
2330.00						0130
				100 Sh/Clst: lt ol gy to dsk y brn, calc, mic		0130-1L
				tr Sh/Clst: w to y gy, calc		0130-2L
				tr Ca : drk y brn, dol		0130-3L
2340.00						0131
				100 Sh/Clst: lt ol gy to dsk y brn, calc, mic		0131-1L
				tr Sh/Clst: w to y gy, calc		0131-2L
				tr Ca : drk y brn, dol		0131-3L
2350.00						0132
				100 Sh/Clst: lt ol gy to dsk y brn, calc, mic		0132-1L
				tr Sh/Clst: w to y gy, calc		0132-2L
				tr Ca : drk y brn, dol		0132-3L
				tr Cont : prp		0132-4L
2360.00						0133
				100 Sh/Clst: lt ol gy to dsk brn, calc, mic		0133-1L
				tr Sh/Clst: w to y gy, calc		0133-2L
				tr Ca : drk y brn, dol		0133-3L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2370.00						0134
			100	Sh/Clst: lt ol gy to dsk brn, calc, mic		0134-1L
			tr	Sh/Clst: w to y gy, calc		0134-2L
			tr	Ca : drk y brn, dol		0134-3L
2380.00						0135
			100	Sh/Clst: drk y brn to dsk y brn, calc, mic		0135-1L
			tr	Sh/Clst: w to y gy, calc		0135-2L
			tr	Ca : drk y brn, dol		0135-3L
			tr	Sh/Clst: lt ol gy, calc, mic		0135-4L
2390.00						0136
			100	Sh/Clst: lt ol gy, drk y brn to dsk y brn, calc, mic		0136-1L
			tr	Sh/Clst: w to y gy, calc		0136-2L
			tr	Ca : drk y brn, dol		0136-3L
2400.00						0137
	2.98		100	Sh/Clst: lt ol gy, drk y brn to dsk y brn, calc, mic		0137-1L
			tr	Sh/Clst: w to y gy, calc		0137-2L
			tr	Ca : drk y brn, dol		0137-3L
2410.00						0138
			100	Sh/Clst: lt ol gy, drk y brn to dsk y brn, calc, mic		0138-1L
			tr	Sh/Clst: w to y gy, calc		0138-2L
			tr	Ca : drk y brn, dol		0138-3L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2420.00						0139
			100	Sh/Clst: lt ol gy, drk y brn to dsk y brn, calc, mic		0139-1L
			tr	Sh/Clst: w to y gy, calc		0139-2L
			tr	Ca : drk y brn, dol		0139-3L
2430.00						0140
			100	Sh/Clst: lt ol gy, drk y brn to dsk y brn, calc, mic		0140-1L
			tr	Sh/Clst: w to y gy, calc		0140-2L
			tr	Ca : drk y brn, dol		0140-3L
2440.00						0141
			100	Sh/Clst: lt ol gy, drk y brn to dsk y brn, calc, mic		0141-1L
			tr	Sh/Clst: w to y gy, calc		0141-2L
			tr	Ca : drk y brn, dol		0141-3L
2450.00						0142
			100	Sh/Clst: lt ol gy, drk y brn to dsk y brn, calc, mic		0142-1L
			tr	Sh/Clst: w to y gy, calc		0142-2L
			tr	Ca : drk y brn, dol		0142-3L
2460.00						0143
			100	Sh/Clst: lt ol gy, drk y brn to dsk y brn, calc, mic		0143-1L
			tr	Sh/Clst: w to y gy, calc		0143-2L
			tr	Ca : drk y brn, dol		0143-3L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2470.00						0144
				100 Sh/Clst: lt ol gy, drk y brn to dsk y brn, calc, mic		0144-1L
				tr Sh/Clst: w to y gy, calc		0144-2L
				tr Ca : drk y brn, dol		0144-3L
2480.00						0145
				100 Sh/Clst: lt ol gy, drk y brn to dsk y brn, mic		0145-1L
				tr Sh/Clst: w to y gy, calc		0145-2L
				tr Ca : drk y brn, dol		0145-3L
2490.00						0146
				100 Sh/Clst: lt ol gy, drk y brn to dsk y brn, mic		0146-1L
				tr Sh/Clst: w to y gy, calc		0146-2L
				tr Ca : drk y brn, dol		0146-3L
2500.00						0147
				100 Sh/Clst: lt ol gy, drk y brn to dsk y brn, mic		0147-1L
				tr Sh/Clst: w to y gy, calc		0147-2L
				tr Ca : drk y brn, dol		0147-3L
2510.00						0148
				100 Sh/Clst: lt ol gy, drk y brn to dsk y brn, mic		0148-1L
				tr Sh/Clst: w to y gy, calc		0148-2L
				tr Ca : drk y brn, dol		0148-3L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2520.00						0149
			100	Sh/Clst: lt ol gy, drk y brn to dsk y brn, mic		0149-1L
			tr	Sh/Clst: w to y gy, calc		0149-2L
			tr	Ca : drk y brn, dol		0149-3L
2530.00						0150
			100	Sh/Clst: lt ol gy, drk y brn to dsk y brn, mic		0150-1L
			tr	Sh/Clst: w to y gy, calc		0150-2L
			tr	Ca : drk y brn to pl y brn, dol		0150-3L
			tr	Chert : drk gy		0150-4L
2540.00						0151
			100	Sh/Clst: lt ol gy, drk y brn to dsk y brn, mic		0151-1L
			tr	Sh/Clst: w to y gy, calc		0151-2L
			tr	Ca : drk y brn to pl y brn, dol		0151-3L
			tr	Chert : drk gy		0151-4L
2550.00						0152
	1.22		100	Sh/Clst: lt ol gy, drk y brn to dsk y brn, mic		0152-1L
			tr	Sh/Clst: w to y gy, calc		0152-2L
			tr	Ca : drk y brn to pl y brn, dol		0152-3L
2560.00						0153
			100	Sh/Clst: lt ol gy, drk y brn to dsk y brn, mic		0153-1L
			tr	Sh/Clst: w to y gy, calc		0153-2L
			tr	Ca : drk y brn to pl y brn, dol		0153-3L
			tr	Other : pyr		0153-4L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2570.00						0154
				100 Sh/Clst: lt ol gy, drk y brn, mic		0154-1L
				tr Sh/Clst: w to y gy, calc		0154-2L
				tr Ca : drk y brn to pl y brn, dol		0154-3L
				tr Other : pyr		0154-4L
2580.00						0155
				100 Sh/Clst: lt ol gy, drk y brn, mic		0155-1L
				tr Sh/Clst: w to y gy, calc		0155-2L
				tr Ca : drk y brn to pl y brn, dol		0155-3L
2590.00						0156
				100 Sh/Clst: lt ol gy, drk y brn, mic		0156-1L
				tr Sh/Clst: w to y gy, calc		0156-2L
				tr Ca : drk y brn to pl y brn, dol		0156-3L
2600.00						0157
				100 Sh/Clst: lt ol gy, drk y brn, dsk y brn, mic		0157-1L
				tr Sh/Clst: w to y gy, calc		0157-2L
				tr Ca : drk y brn to pl y brn, dol		0157-3L
2610.00						0158
				90 Sh/Clst: lt ol gy, calc, mic		0158-1L
				10 Sh/Clst: drk y brn, dsk y brn, calc, mic		0158-4L
				tr Sh/Clst: w to y gy, calc		0158-2L
				tr Ca : drk y brn to pl y brn, dol		0158-3L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
2620.00						0159
		90	Sh/Clst:	lt ol gy, calc, mic		0159-1L
		10	Sh/Clst:	drk y brn, dsk y brn, calc, mic		0159-4L
		tr	Sh/Clst:	w to y gy, calc		0159-2L
		tr	Ca	: drk y brn to pl y brn, dol		0159-3L
2630.00						0160
		90	Sh/Clst:	lt ol gy, calc, mic		0160-1L
		10	Sh/Clst:	drk y brn, dsk y brn, calc, mic		0160-4L
		tr	Sh/Clst:	w to y gy, calc		0160-2L
		tr	Ca	: drk y brn to pl y brn, dol		0160-3L
2640.00						0161
		95	Sh/Clst:	lt ol gy, calc, mic		0161-1L
		5	Sh/Clst:	drk y brn, dsk y brn, calc, mic		0161-4L
		tr	Sh/Clst:	w to y gy, calc		0161-2L
		tr	Ca	: drk y brn to pl y brn, dol		0161-3L
2650.00						0162
		50	Sh/Clst:	lt ol gy, calc, mic		0162-1L
		50	Sh/Clst:	drk y brn, dsk y brn, calc, mic		0162-3L
		tr	Sh/Clst:	w to y gy, calc		0162-2L
2660.00						0163
		80	Sh/Clst:	lt ol gy, calc, mic		0163-1L
		20	Sh/Clst:	drk y brn, dsk y brn, calc, mic		0163-3L
		tr	Sh/Clst:	w to y gy, calc		0163-2L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2670.00						0164
				60 Sh/Clst: lt ol gy, calc, mic		0164-1L
				40 Sh/Clst: drk y brn, dsk y brn, calc, mic		0164-3L
				tr Sh/Clst: w to y gy, calc		0164-2L
2680.00						0165
				60 Sh/Clst: lt ol gy, calc, mic		0165-1L
				40 Sh/Clst: drk y brn, dsk y brn, calc, mic		0165-3L
				tr Sh/Clst: w to y gy, calc		0165-2L
2690.00						0166
				40 Sh/Clst: lt ol gy, mic		0166-1L
				40 Sh/Clst: drk y brn, dsk y brn, mic		0166-3L
				20 Sh/Clst: m y brn		0166-2L
2700.00						0167
	2.43			60 Sh/Clst: lt ol gy, mic		0167-1L
				40 Sh/Clst: drk y brn, dsk y brn, mic		0167-3L
				tr Sh/Clst: m y brn		0167-2L
2710.00						0168
				60 Sh/Clst: lt ol gy, mic		0168-1L
				40 Sh/Clst: drk y brn, dsk y brn, mic		0168-3L
				tr Sh/Clst: m y brn		0168-2L
2720.00						0169
				100 Sh/Clst: lt ol gy to drk y brn, mic		0169-1L
				tr Sh/Clst: w to y gy		0169-2L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frn	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2730.00						0170
				100 Sh/Clst: lt ol gy to drk y brn, mic		0170-1L
				tr Sh/Clst: w to y gy		0170-2L
2740.00						0171
				90 Sh/Clst: lt ol gy to drk y brn, calc, mic		0171-1L
				10 Sh/Clst: w to y gy, calc		0171-2L
2750.00						0172
				90 Sh/Clst: lt ol gy to drk y brn, calc, mic		0172-1L
				10 Sh/Clst: w to y gy, calc		0172-2L
2760.00						0173
				90 Sh/Clst: lt ol gy to drk y brn, calc, mic		0173-1L
				10 Sh/Clst: w to y gy, calc		0173-2L
2770.00						0174
				90 Sh/Clst: lt ol gy to drk y brn, calc, mic		0174-1L
				10 Sh/Clst: w to y gy, calc		0174-2L
2780.00						0175
				90 Sh/Clst: lt ol gy to drk y brn, calc, mic		0175-1L
				10 Sh/Clst: w to y gy, calc		0175-2L
2790.00						0176
				90 Sh/Clst: lt ol gy to drk y brn to dsk y		0176-1L
				brn, calc, mic		
				10 Sh/Clst: w to y gy, calc		0176-2L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
2800.00						0177
		90	Sh/Clst:	lt ol gy to drk y brn to dsk y brn, calc, mic		0177-1L
		10	Sh/Clst:	w to or gy, calc		0177-2L
		tr	Other	: pyr		0177-3L
2810.00						0178
		90	Sh/Clst:	lt ol gy to drk y brn to dsk y brn, calc, mic		0178-1L
		10	Sh/Clst:	w to or gy, calc		0178-2L
		tr	Other	: pyr		0178-3L
2820.00						0179
		90	Sh/Clst:	lt ol gy to drk y brn to dsk y brn, calc, mic		0179-1L
		10	Sh/Clst:	w to or gy, calc		0179-2L
		tr	Other	: pyr		0179-3L
		tr	Ca	: pl y, dol		0179-4L
2830.00						0180
		90	Sh/Clst:	lt ol gy to drk y brn to dsk y brn, calc, mic		0180-1L
		10	Sh/Clst:	w to or gy, calc		0180-2L
		tr	Other	: pyr		0180-3L
		tr	Ca	: pl y, dol		0180-4L
2840.00						0181
		90	Sh/Clst:	lt ol gy to drk y brn to dsk y brn, calc, mic		0181-1L
		10	Sh/Clst:	w to or gy, calc		0181-2L
		tr	Other	: pyr		0181-3L
		tr	Ca	: pl y, dol		0181-4L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
2850.00						0182
	1.13	95	Sh/Clst: lt ol gy to drk y brn to dsk y brn, calc, mic			0182-1L
		5	Sh/Clst: w to or gy, calc			0182-2L
		tr Ca	: pl y, dol			0182-3L
2860.00						0183
		95	Sh/Clst: lt ol gy to drk y brn to dsk y brn, calc, mic			0183-1L
		5	Sh/Clst: w to or gy, calc			0183-2L
		tr Ca	: pl y, dol			0183-3L
2870.00						0184
		95	Sh/Clst: lt ol gy to drk y brn to dsk y brn, calc, mic			0184-1L
		5	Sh/Clst: w to or gy, calc			0184-2L
		tr Ca	: pl y, dol			0184-3L
		tr Other	: pyr			0184-4L
2880.00						0185
		95	Sh/Clst: lt ol gy to drk y brn to dsk y brn, calc, mic			0185-1L
		5	Sh/Clst: y gy to lt brn gy, calc			0185-2L
		tr Ca	: pl y, dol			0185-3L
		tr Other	: pyr			0185-4L
2890.00						0186
		95	Sh/Clst: lt ol gy to drk y brn to dsk y brn, calc, mic			0186-1L
		5	Sh/Clst: y gy to lt brn gy, calc			0186-2L
		tr Ca	: pl y, dol			0186-3L
		tr Other	: pyr			0186-4L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
2900.00						0187
		95	Sh/Clst:	lt ol gy to drk y brn to dsk y brn, calc, mic		0187-1L
		5	Sh/Clst:	y gy to lt brn gy, calc		0187-2L
		tr Ca	:	pl y, dol		0187-3L
		tr Other	:	pyr		0187-4L
2910.00						0188
		95	Sh/Clst:	lt ol gy to drk y brn to dsk y brn, calc, mic		0188-1L
		5	Sh/Clst:	y gy to lt brn gy, calc		0188-2L
		tr Ca	:	pl y, dol		0188-3L
		tr Other	:	pyr		0188-4L
2920.00						0189
		95	Sh/Clst:	lt ol gy to drk y brn to dsk y brn, calc, mic		0189-1L
		5	Sh/Clst:	y gy to lt brn gy, calc		0189-2L
		tr Ca	:	pl y, dol		0189-3L
		tr Other	:	pyr		0189-4L
2923.00						0190
		60	Sh/Clst:	lt gy to m gy, mic		0190-1L
		35	Sh/Clst:	y gy to lt brn gy, dsk y brn, calc, mic		0190-2L
		5	Ca	: pl y, dol		0190-3L
		tr Other	:	pyr		0190-4L
2926.00						0191
	0.42	80	Sh/Clst:	lt gy to m gy, mic		0191-1L
		20	Sh/Clst:	y gy to lt brn gy, dsk y brn, calc, mic		0191-2L
		tr Ca	:	pl y, dol		0191-3L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
2929.00						0192
	0.41	50	Sh/Clst: lt gy to m gy, mic			0192-1L
		50	Sh/Clst: y gy to lt brn gy, dsk y brn, calc, mic			0192-2L
		tr Ca	: pl y, dol			0192-3L
2932.00						0193
	2.06	60	Sh/Clst: y gy to lt brn gy, dsk y brn, calc, mic			0193-2L
		40	Sh/Clst: lt gy to m gy, mic			0193-1L
		tr Ca	: pl y, dol			0193-3L
2944.00						0194
	0.30	80	Sh/Clst: lt gy to m gy, mic			0194-1L
		20	Sh/Clst: y gy to lt brn gy, dsk y brn, calc, mic			0194-2L
		tr Ca	: pl y, dol			0194-3L
		tr Sh/Clst:	y gy to lt brn, calc			0194-4L
2956.00						0195
		80	Sh/Clst: lt gy to lt ol gy to m gy, mic			0195-1L
		20	Sh/Clst: y gy to lt brn gy, dsk y brn, calc, mic			0195-2L
		tr Ca	: pl y, dol			0195-3L
		tr Sh/Clst:	y gy to lt brn, calc			0195-4L
2968.00						0196
		80	Sh/Clst: lt gy to lt ol gy to m gy, mic			0196-1L
		20	Sh/Clst: y gy to lt brn gy, dsk y brn, calc, mic			0196-2L
		tr Ca	: pl y, dol			0196-3L
		tr Sh/Clst:	y gy to lt brn, calc			0196-4L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2980.00						0197
				80 Sh/Clst: lt gy to lt ol gy to m gy, mic		0197-1L
				20 Sh/Clst: y gy to lt brn gy, dsk y brn, calc, mic		0197-2L
				tr Ca : pl y, dol		0197-3L
				tr Sh/Clst: y gy to lt brn, calc		0197-4L
2992.00						0198
	0.56			80 Sh/Clst: lt gy to lt ol gy to m gy, mic		0198-1L
				20 Sh/Clst: y gy to lt brn gy, dsk y brn, calc, mic		0198-2L
				tr Ca : pl y, dol		0198-3L
				tr Sh/Clst: y gy to lt brn, calc		0198-4L
3004.00						0199
				50 Sh/Clst: lt gy to lt ol gy to m gy, mic		0199-1L
				30 Sh/Clst: y gy to lt brn gy, dsk y brn, calc, mic		0199-2L
				20 Cont : prp		0199-4L
				tr Sh/Clst: y gy to lt brn, calc		0199-3L
3016.00						0200
				50 Sh/Clst: lt gy to lt ol gy to m gy, mic		0200-1L
				30 Sh/Clst: y gy to lt brn gy, dsk y brn, calc, mic		0200-2L
				20 Cont : prp		0200-4L
				tr Sh/Clst: y gy to lt brn, calc		0200-3L
3028.00						0201
				50 Sh/Clst: lt gy to lt ol gy to m gy, mic		0201-1L
				30 Sh/Clst: y gy to lt brn gy, dsk y brn, calc, mic		0201-2L
				20 Cont : prp		0201-4L
				tr Sh/Clst: y gy to lt brn, calc		0201-3L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3040.00						0202
				50 Sh/Clst: lt gy to lt ol gy to m gy, mic		0202-1L
				30 Sh/Clst: y gy to lt brn gy, dsk y brn, calc, mic		0202-2L
				20 Cont : prp		0202-4L
				tr Sh/Clst: y gy to lt brn, calc		0202-3L
3052.00						0203
				50 Sh/Clst: lt gy to lt brn gy, lt bl gy		0203-1L
				50 Sh/Clst: gy blk to m gy		0203-2L
3064.00						0210
				60 Sh/Clst: lt gy to lt ol gy to lt bl gy		0210-1L
				40 Sh/Clst: lt brn gy to dsk y brn, mic		0210-3L
				tr Sh/Clst: m gy to drk gy		0210-2L
				tr Cont : prp, ns		0210-4L
3076.00						0204
				50 Sh/Clst: drk gy		0204-2L
				40 Sh/Clst: lt gy to lt ol gy to lt bl gy		0204-1L
				10 Sh/Clst: lt brn gy		0204-3L
				tr Cont : prp		0204-4L
				tr Sh/Clst: gy red		0204-5L
3088.00						0205
				60 Sh/Clst: drk gy		0205-2L
				30 Sh/Clst: lt brn gy		0205-3L
				10 Sh/Clst: lt gy to lt ol gy to lt bl gy		0205-1L
				tr Other : pyr		0205-4L
				tr Sh/Clst: gy red		0205-5L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3100.00						0206
	1.40	55	Sh/Clst:	drk gy		0206-2L
		25	Sh/Clst:	lt gy to lt ol gy to lt bl gy		0206-1L
		10	Sh/Clst:	lt brn gy		0206-3L
		10	Sltst	: w, glauc		0206-6L
		tr	Cont	: prp		0206-4L
		tr	Sh/Clst:	gy red		0206-5L
3112.00						0207
		30	Sh/Clst:	lt gy to lt ol gy to lt bl gy		0207-1L
		30	Sh/Clst:	drk gy		0207-2L
		30	Sh/Clst:	lt brn gy to pl y brn		0207-3L
		10	Sltst	: w, glauc		0207-5L
		tr	Sh/Clst:	gy red		0207-4L
3124.00						0208
		55	Sh/Clst:	m gy to drk gy		0208-2L
		20	Sh/Clst:	lt brn gy to pl y brn		0208-3L
		15	Sh/Clst:	lt gy to lt ol gy		0208-1L
		10	Sltst	: w, glauc		0208-4L
		tr	Cont	: prp, ns		0208-5L
3148.00						0211
		80	Sh/Clst:	m gy to drk gy		0211-2L
		10	Sh/Clst:	lt brn gy to drk y brn, mic		0211-3L
		5	Sh/Clst:	lt gy to lt ol gy to lt bl gy		0211-1L
		5	Sltst	: w to lt gy, glauc		0211-5L
		tr	Cont	: prp, ns		0211-4L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3160.00						0209
				60 Sh/Clst: lt brn gy to dsk y brn, mic		0209-3L
				40 Sh/Clst: lt gy to lt ol gy to lt bl gy		0209-1L
				tr Sh/Clst: m gy to drk gy		0209-2L
				tr Cont : prp, ns		0209-4L
3172.00						0212
				70 Sh/Clst: lt brn gy to dsk y brn, mic		0212-3L
				15 Sh/Clst: lt gy to lt ol gy		0212-1L
				10 Sh/Clst: m gy to drk gy		0212-2L
				5 sltst : w to lt gy, glauc		0212-5L
				tr Other : pyr		0212-4L
3184.00						0213
				50 Sh/Clst: lt gy to lt ol gy		0213-1L
				50 Sh/Clst: lt brn gy to dsk y brn, mic		0213-3L
				tr Sh/Clst: m gy to drk gy		0213-2L
3196.00						0214
	1.78			50 Sh/Clst: lt brn gy to drk y brn to dsk y brn, mic		0214-3L
				30 Sh/Clst: m gy to drk gy		0214-2L
				20 Sh/Clst: lt gy to lt ol gy		0214-1L
				tr Other : pyr		0214-4L
3208.00						0215
				90 Sh/Clst: w to lt gy to lt ol gy, calc		0215-1L
				10 Sh/Clst: lt brn gy to drk y brn, calc, mic		0215-3L
				tr Sh/Clst: m gy to drk gy		0215-2L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3220.00						0216
				90 Sh/Clst: w to lt gy to lt ol gy, calc		0216-1L
				10 Sh/Clst: lt brn gy to drk y brn, calc, mic		0216-3L
				tr Sh/Clst: m gy to drk gy		0216-2L
3229.00						0217
				60 Sh/Clst: w to lt gy to lt ol gy, calc		0217-1L
				20 Sh/Clst: m gy to drk gy		0217-2L
				20 Sh/Clst: lt brn gy to drk y brn to dsk y brn, calc, mic		0217-3L
				tr Sh/Clst: gy red		0217-4L
3241.00						0218
				50 Sh/Clst: gy red		0218-4L
				30 Sh/Clst: w to lt gy to lt ol gy, calc		0218-1L
				20 Sh/Clst: m gy to drk gy		0218-2L
				tr Sh/Clst: lt brn gy to drk y brn to dsk y brn, calc, mic		0218-3L
3253.00						0219
				40 Sh/Clst: gn gy to lt ol gy to m lt bl gy, calc		0219-1L
				20 Sh/Clst: gy red		0219-4L
				20 Ca : w to lt gy, chk		0219-5L
				15 Sh/Clst: lt brn gy to drk y brn, mic		0219-3L
				5 Sh/Clst: m gy to drk gy		0219-2L
3265.00						0220
				80 Sh/Clst: gn gy to lt gy to lt ol gy, calc		0220-1L
				10 Sh/Clst: lt brn gy to drk y brn, mic		0220-3L
				5 Sh/Clst: gy red		0220-4L
				5 Ca : w to lt gy, chk		0220-5L
				tr Sh/Clst: m gy		0220-2L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3277.00						0221
			90	Ca	: w to lt gy, chk	0221-1L
			10	Sh/Clst:	y gy to lt brn gy	0221-2L
			tr	Sh/Clst:	gy red	0221-3L
			tr	Ca	: pl y brn, dol	0221-4L
3289.00						0222
			100	Ca	: w, chk	0222-1L
			tr	Cont	: st	0222-2L
3296.00	ccp				Shet Ekof Tertiary	0341
	0.20	100	Ca		: w to lt gy, hd	0341-1L
3301.00						0223
			100	Ca	: w, chk	0223-1L
			tr	Cont	: st, prp	0223-2L
			tr	Sh/Clst:	m gy	0223-3L
3303.00	ccp					0342
	0.18	100	Ca		: w, hd	0342-1L
3312.00						0224
			100	Ca	: w, chk	0224-1L
			tr	Cont	: st, prp	0224-2L
			tr	Sh/Clst:	m gy	0224-3L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
3313.00	ccp					0343
	0.19	100	Ca	: w, hd		0343-1L
3325.00						0225
		100	Ca	: w, chk		0225-1L
		tr	Cont	: st, prp		0225-2L
		tr	Sh/Clst:	m gy		0225-3L
3337.00						0226
		100	Ca	: w, chk		0226-1L
		tr	Cont	: st, prp		0226-2L
		tr	Sh/Clst:	m gy		0226-3L
3349.00						0227
		100	Ca	: w, chk		0227-1L
		tr	Cont	: st, prp		0227-2L
		tr	Sh/Clst:	m gy		0227-3L
3361.00						0228
		100	Ca	: w, chk		0228-1L
		tr	Cont	: st, prp		0228-2L
		tr	Sh/Clst:	m gy		0228-3L
3373.00						0229
		100	Ca	: w, chk		0229-1L
		tr	Cont	: st, prp		0229-2L
		tr	Sh/Clst:	m gy		0229-3L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3385.00						0230
			50	Ca : w, slt, hd		0230-1L
			50	Sh/Clst: m gy		0230-3L
			tr	Cont : st, prp		0230-2L
3397.00						0231
			100	Ca : w, slt, hd		0231-1L
			tr	Cont : st, prp		0231-2L
			tr	Sh/Clst: m gy		0231-3L
3409.00						0232
	0.13		100	Ca : w, slt, hd		0232-1L
			tr	Cont : st, prp		0232-2L
			tr	Sh/Clst: m gy		0232-3L
3421.00						0233
			95	Ca : w, slt, hd		0233-1L
			5	Sh/Clst: lt ol gy to m gy		0233-3L
			tr	Cont : st, prp		0233-2L
3433.00						0234
			100	Ca : w, slt		0234-1L
			tr	Cont : st, prp		0234-2L
3445.00						0235
			100	Ca : w, slt		0235-1L
			tr	Cont : st, prp		0235-2L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
3457.00						0236
		100 Ca		: w, chk		0236-1L
		tr Cont		: st		0236-2L
3469.00						0237
		100 Ca		: w, chk		0237-1L
		tr Cont		: st		0237-2L
3481.00						0238
		100 Ca		: w, chk		0238-1L
		tr Cont		: st		0238-2L
3493.00						0239
	0.20	100 Ca		: w, chk		0239-1L
		tr Cont		: st		0239-2L
3505.00						0240
		100 Ca		: w, chk		0240-1L
		tr Cont		: st		0240-2L
3517.00						0241
		100 Ca		: w, chk		0241-1L
		tr Cont		: st		0241-2L
3529.00						0242
		100 Ca		: w, chk		0242-1L
		tr Cont		: st		0242-2L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
3541.00						0243
		100 Ca	:	w, chk		0243-1L
		tr Cont	:	st		0243-2L
3553.00						0244
		100 Ca	:	w, chk		0244-1L
		tr Cont	:	st		0244-2L
3565.00						0245
		100 Ca	:	w, chk		0245-1L
		tr Cont	:	st		0245-2L
3577.00						0246
		100 Ca	:	w, chk		0246-1L
		tr Cont	:	st		0246-2L
3589.00						0247
		100 Ca	:	w, chk		0247-1L
		tr Cont	:	st		0247-2L
3601.00						0248
	0.14	100 Ca	:	w, chk		0248-1L
		tr Cont	:	st		0248-2L
3613.00						0249
		100 Ca	:	w, chk		0249-1L
		tr Cont	:	st		0249-2L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3625.00						0250
		100 Ca		: w, chk		0250-1L
		tr Cont		: st		0250-2L
3637.00						0251
		100 Ca		: w, chk		0251-1L
		tr Cont		: st		0251-2L
3649.00						0252
		100 Ca		: w, chk		0252-1L
		tr Cont		: st		0252-2L
3661.00						0253
		100 Ca		: w, gy red, chk		0253-1L
		tr Cont		: st		0253-2L
3673.00						0254
		100 Ca		: w, gy red, chk		0254-1L
		tr Cont		: st		0254-2L
3685.00						0255
		100 Ca		: w to pl red, chk		0255-1L
		tr Cont		: st		0255-2L
3697.00						0256
	0.22	100 Ca		: w to pl red, chk		0256-1L
		tr Cont		: st		0256-2L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3709.00						0257
		100	Ca	: w to pl red, chk		0257-1L
		tr	Cont	: st		0257-2L
3721.00						0258
		100	Ca	: w, chk		0258-1L
		tr	Cont	: st		0258-2L
		tr	Ca	: pl red, chk		0258-3L
3733.00						0259
		100	Ca	: w, chk		0259-1L
		tr	Cont	: st		0259-2L
		tr	Ca	: pl red, chk		0259-3L
3745.00						0261
		100	Ca	: w to pl red, chk		0261-1L
		tr	Cont	: st		0261-2L
3757.00						0260
		100	Ca	: w to pl red, chk		0260-1L
		tr	Cont	: st		0260-2L
3769.00						0262
		50	Ca	: w, chk		0262-1L
		50	Sh/Clst	: lt gy to m gy, calc		0262-3L
		tr	Cont	: st		0262-2L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3781.00						0263
			50	Ca : w, chk		0263-1L
			50	Sh/Clst: lt gy to m gy, calc		0263-3L
			tr	Cont : st		0263-2L
3793.00						0264
			50	Ca : w, chk		0264-1L
			45	Ca : lt gy to m gy, cly		0264-3L
			5	Ca : pl red to gy red, chk		0264-4L
			tr	Cont : st		0264-2L
3805.00						0265
	0.24		50	Ca : w, chk		0265-1L
			45	Ca : lt gy to m gy, cly		0265-3L
			5	Ca : pl red to gy red, chk		0265-4L
			tr	Cont : st		0265-2L
3817.00						0268
			50	Ca : w, chk		0268-1L
			45	Ca : lt gy to m gy, cly		0268-3L
			5	Ca : pl red to gy red, chk		0268-4L
			tr	Cont : st		0268-2L
3829.00						0269
			65	Ca : lt gy to m gy, cly		0269-3L
			30	Ca : w, chk		0269-1L
			5	Ca : pl red to gy red, chk		0269-4L
			tr	Cont : st		0269-2L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3841.00						0270
		100	Ca	: w, chk		0270-1L
		tr	Cont	: st		0270-2L
		tr	Ca	: lt gy to m gy, cly		0270-3L
		tr	Ca	: pl red to gy red, chk		0270-4L
3853.00						0271
		80	Ca	: lt gy to m gy, cly		0271-3L
		20	Ca	: w, slt, hd		0271-1L
		tr	Cont	: st		0271-2L
		tr	Ca	: pl red to gy red, chk		0271-4L
3865.00						0272
		80	Ca	: lt gy to m gy, cly		0272-3L
		20	Ca	: w, slt, hd		0272-1L
		tr	Cont	: st		0272-2L
		tr	Ca	: pl red to gy red, chk		0272-4L
3877.00						0273
		80	Ca	: lt gy to m gy, cly		0273-3L
		20	Ca	: w, slt, hd		0273-1L
		tr	Cont	: st		0273-2L
		tr	Ca	: pl red to gy red, chk		0273-4L
3889.00						0274
		85	Ca	: w, slt, hd		0274-1L
		10	Ca	: lt gy to m gy, cly		0274-3L
		5	Ca	: gy red to pl red, hd		0274-4L
		tr	Cont	: st		0274-2L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
3901.00						0275
	0.15	90 Ca		: w, slt, hd		0275-1L
		10 Sh/Clst:	m gy to drk gy, calc			0275-2L
3913.00						0279
		50 Ca		: w, slt, hd		0279-1L
		50 Sh/Clst:	m gy to drk gy, calc, slt			0279-2L
3925.00						0276
		90 Ca		: w, slt, hd		0276-1L
		10 Sh/Clst:	m gy to drk gy, calc			0276-2L
3937.00						0277
		50 Ca		: w, slt, hd		0277-1L
		50 Sh/Clst:	m gy to drk gy, calc, slt			0277-2L
3949.00						0278
		50 Ca		: w, slt, hd		0278-1L
		50 Sh/Clst:	m gy to drk gy, calc, slt			0278-2L
3961.00						0280
		100 Ca		: w, hd, chk		0280-1L
		tr Cont		: st		0280-2L
3972.00						0281
		100 Ca		: w, hd, chk		0281-1L
		tr Cont		: st		0281-2L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
3985.00						0282
		100 Ca		: w, hd, chk		0282-1L
		tr Cont		: st		0282-2L
3997.00						0283
	0.11	100 Ca		: w, hd, chk		0283-1L
		tr Cont		: st		0283-2L
4009.00						0284
		100 Ca		: w, hd, chk		0284-1L
		tr Cont		: st		0284-2L
		tr Sh/Clst:		calc, slt, hd		0284-3L
4015.00						0285
		95 Ca		: w, hd, chk		0285-1L
		5 Sh/Clst:		calc, slt, hd		0285-3L
		tr Cont		: st		0285-2L
4021.00						0286
		100 Ca		: w, hd, chk		0286-1L
		tr Cont		: st		0286-2L
		tr Sh/Clst:		calc, slt, hd		0286-3L
4027.00						0287
		100 Ca		: w, hd, chk		0287-1L
		tr Sh/Clst:		calc, slt, hd		0287-2L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4033.00						0288
		100	Ca	: w, hd, chk		0288-1L
		tr	Sh/Clst:	gy blk to m drk gy, calc, mic, hd		0288-2L
4039.00						0289
		100	Ca	: w, hd, chk		0289-1L
		tr	Sh/Clst:	gy blk to m drk gy, calc, mic, hd		0289-2L
4045.00						0290
		100	Ca	: w to lt gy, hd, chk		0290-1L
		tr	Sh/Clst:	gy blk to m drk gy, calc, mic, hd		0290-2L
4051.00						0291
		100	Ca	: w to lt gy, hd, chk		0291-1L
		tr	Sh/Clst:	gy blk to m drk gy, calc, mic, hd		0291-2L
4057.00						0292
		100	Ca	: w to lt gy, hd, chk		0292-1L
		tr	Sh/Clst:	gy blk to m drk gy, calc, mic, hd		0292-2L
4063.00						0293
		100	Ca	: w to lt gy, hd, chk		0293-1L
		tr	Sh/Clst:	gy blk to m drk gy, calc, mic, hd		0293-2L
4069.00						0294
		100	Ca	: w to lt gy, hd, chk		0294-1L
		tr	Sh/Clst:	gy blk to m drk gy, calc, mic, hd		0294-2L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4075.00						0295
				100 Ca : w to lt gy, hd, chk		0295-1L
				tr Sh/Clst: gy blk to m drk gy, calc, mic, hd		0295-2L
				tr Sltst : w to lt gy, calc, glauc		0295-3L
4081.00						0296
				100 Ca : w to lt gy, hd, chk		0296-1L
				tr Sh/Clst: gy blk to m drk gy, calc, mic, hd		0296-2L
				tr Sltst : w to lt gy, calc, glauc		0296-3L
4087.00						0297
				100 Ca : w to lt gy, hd, chk		0297-1L
				tr Sh/Clst: gy blk to m drk gy, calc, mic, hd		0297-2L
				tr Sltst : w to lt gy, calc, glauc		0297-3L
4093.00						0298
				100 Ca : w to lt gy, hd, chk		0298-1L
				tr Sh/Clst: gy blk to m drk gy, calc, mic, hd		0298-2L
				tr Sltst : w to lt gy, calc, glauc		0298-3L
4099.00						0299
				100 Ca : w to y gy, hd, chk		0299-1L
				tr Sh/Clst: gy blk to m drk gy, calc, mic, hd		0299-2L
				tr Sltst : w to lt gy, calc, glauc		0299-3L
4105.00						0300
	0.09			100 Ca : w to y gy, hd, chk		0300-1L
				tr Sh/Clst: gy blk to m drk gy, calc, mic, hd		0300-2L
				tr Sltst : w to lt gy, calc, glauc		0300-3L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4111.00						0301
				100 Ca : w to y gy, hd, chk		0301-1L
				tr Sh/Clst: gy blk to m drk gy, calc, mic, hd		0301-2L
				tr Sltst : w to lt gy, calc, glauc		0301-3L
4117.00						0302
				100 Ca : w to y gy, hd, chk		0302-1L
				tr Sh/Clst: gy blk to m drk gy, calc, mic, hd		0302-2L
				tr Sltst : w to lt gy, calc, glauc		0302-3L
4123.00						0303
				100 Ca : w to y gy, hd, chk		0303-1L
				tr Sh/Clst: gy blk to m drk gy, calc, mic, hd		0303-2L
				tr Sltst : w to lt gy, calc, glauc		0303-3L
4129.00						0304
				100 Ca : w to y gy, hd, chk		0304-1L
				tr Sh/Clst: gy blk to m drk gy, calc, mic, hd		0304-2L
				tr Sltst : w to lt gy, calc, glauc		0304-3L
4135.00						0305
				100 Ca : w to y gy, hd, chk		0305-1L
				tr Sh/Clst: gy blk to m drk gy, calc, mic, hd		0305-2L
				tr Sltst : w to lt gy, calc, glauc		0305-3L
4141.00						0306
				100 Ca : w to y gy, hd, chk		0306-1L
				tr Sh/Clst: gy blk to m drk gy, calc, mic, hd		0306-2L
				tr Sltst : w to lt gy, calc, glauc		0306-3L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4147.00						0307
				50 Ca : w to y gy, hd, chk		0307-1L
				50 Sh/Clst: ol blk to lt gy, calc, mic, hd		0307-2L
4153.00						0308
				40 Ca : w to y gy, hd, chk		0308-1L
				30 Sh/Clst: ol blk to lt gy, calc, hd		0308-2L
				30 Sh/Clst: brn blk		0308-3L
4159.00						0309
				90 Ca : w to y gy, hd, chk		0309-1L
				10 Sh/Clst: ol blk to lt gy, calc, hd		0309-2L
				tr Sh/Clst: brn blk		0309-3L
4171.00						0310
				80 Ca : w to y gy, hd, chk		0310-1L
				10 Sh/Clst: ol blk to lt gy, calc, hd		0310-2L
				10 Sh/Clst: brn blk		0310-3L
4177.00						0311
				90 Ca : w to y gy, hd, chk		0311-1L
				10 Sh/Clst: ol blk to lt gy, calc, hd		0311-2L
				tr Sh/Clst: brn blk		0311-3L
4183.00						0340
				50 Ca : w to y gy, hd, chk		0340-1L
				50 Sh/Clst: ol blk to lt gy, calc, hd		0340-2L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4189.00						0312
				50 Ca : w to y gy, hd, chk		0312-1L
				50 Sh/Clst: ol blk to lt gy, calc, hd		0312-2L
4195.00						0313
				70 Sh/Clst: lt gy to m drk gy, calc, hd		0313-2L
				20 Ca : w to y gy, hd, chk		0313-1L
				10 Cont : prp		0313-3L
4201.00						0314
	0.56			70 Sh/Clst: lt gy to m drk gy, calc, hd		0314-2L
				20 Ca : w to y gy, hd, chk		0314-1L
				10 Cont : prp		0314-3L
4207.00						0315
				70 Sh/Clst: lt gy to m drk gy, calc, hd		0315-2L
				20 Ca : w to y gy, hd, chk		0315-1L
				10 Cont : prp		0315-3L
4213.00						0316
				70 Sh/Clst: lt gy to m drk gy, calc, hd		0316-2L
				20 Ca : w to y gy, hd, chk		0316-1L
				10 Cont : prp		0316-3L
4219.00						0317
				80 Sh/Clst: lt gy to m drk gy, calc, hd		0317-2L
				20 Ca : w to y gy, hd, chk		0317-1L
				tr Cont : prp		0317-3L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
4225.00						0318
		80 Ca		: w to y gy, hd, chk		0318-1L
		20 Sh/Clst:	brn blk to lt gy to m gy, calc, hd			0318-2L
		tr Cont	: prp			0318-3L
4231.00						0319
		80 Ca		: w to y gy, hd, chk		0319-1L
		20 Sh/Clst:	brn blk to lt gy to m gy, calc, hd			0319-2L
		tr Cont	: prp			0319-3L
4237.00						0320
		100 Ca		: w to lt brn gy, hd, chk		0320-1L
		tr Sh/Clst:	brn blk to m gy, calc, hd			0320-2L
		tr Cont	: st, prp			0320-3L
4249.00						0324
		100 Ca		: w, hd, chk		0324-1L
		tr Sh/Clst:	brn blk to m gy, calc, hd			0324-2L
		tr Cont	: st, prp			0324-3L
4255.00						0321
		100 Ca		: w to lt brn gy, hd, chk		0321-1L
		tr Sh/Clst:	brn blk to m gy, calc, hd			0321-2L
		tr Cont	: st, prp			0321-3L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4261.00						0322
		100	Ca	: w to lt brn gy, hd, chk		0322-1L
			tr Sh/Clst:	brn blk to m gy, calc, hd		0322-2L
			tr Cont	: st, prp		0322-3L
4267.00						0323
		100	Ca	: w to lt brn gy, hd, chk		0323-1L
			tr Sh/Clst:	brn blk to m gy, calc, hd		0323-2L
			tr Cont	: st, prp		0323-3L
4273.00						0325
		80	Ca	: w, hd, chk		0325-1L
		20	Sh/Clst:	ol blk to lt brn gy to m gy, calc, hd		0325-2L
			tr Cont	: st		0325-3L
4279.00						0326
		80	Ca	: w, hd, chk		0326-1L
		20	Sh/Clst:	ol gy to lt brn gy to m gy, calc, hd		0326-2L
			tr Cont	: st, prp		0326-3L
4285.00						0327
		80	Ca	: w, hd, chk		0327-1L
		20	Sh/Clst:	brn blk to lt gy to lt brn gy to drk gy, calc, hd		0327-2L
			tr Cont	: st, Mica-ad, prp		0327-3L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
4291.00						0328
		100	Cont	: Mica-ad, ns		0328-3L
			tr Ca	: w, hd, chk		0328-1L
			tr Sh/Clst:	brn blk to lt gy to lt brn gy to drk gy, calc, hd		0328-2L
4297.00						0330
		70	Ca	: w, hd, chk		0330-1L
		20	Sh/Clst:	brn blk to ol gy to lt brn gy to m gy, calc, hd		0330-2L
		10	Cont	: Mica-ad		0330-3L
4303.00						0329
		60	Ca	: w, hd, chk		0329-1L
		40	Sh/Clst:	brn blk to ol gy to lt brn gy to m gy, calc, hd		0329-2L
			tr Cont	: Mica-ad		0329-3L
4309.00						0331
		60	Ca	: w, hd		0331-1L
	0.50	40	Sh/Clst:	gy blk to m gy to drk gy, calc, mic		0331-2L
4315.00						0332
		50	Ca	: w, hd		0332-1L
		50	Sh/Clst:	gy blk to m gy to drk gy, calc, mic		0332-2L
			tr Cont	: prp		0332-3L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4321.00						0333
				40 Sh/Clst: w, hd		0333-1L
				40 Sh/Clst: ol gy to m gy		0333-2L
				20 Sh/Clst: gy red, calc		0333-3L
4327.00						0334
				55 Sh/Clst: w, hd		0334-1L
				45 Sh/Clst: ol gy to m gy		0334-2L
				tr Sh/Clst: gy red to m brn, calc		0334-3L
4333.00						0335
				55 Sh/Clst: w, hd		0335-1L
				45 Sh/Clst: ol gy to ol blk to drk gy		0335-2L
				tr Sh/Clst: gy red to m brn, calc		0335-3L
4339.00						0336
	0.56			70 Sh/Clst: ol gy to ol blk to drk gy		0336-2L
				30 Sh/Clst: w, hd		0336-1L
				tr Sh/Clst: gy red to m brn, calc		0336-3L
4345.00						0337
				70 Sh/Clst: ol gy to ol blk to drk gy		0337-2L
				30 Sh/Clst: w, hd		0337-1L
				tr Sh/Clst: gy red to m brn, calc		0337-3L
4351.00						0338
				85 Sh/Clst: gy blk to drk gy, ol gy		0338-2L
				15 Sh/Clst: w, hd		0338-1L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
4357.00						0339
		85	Sh/Clst: gy blk to drk gy, ol gy			0339-2L
		15	Sh/Clst: w, hd			0339-1L
		tr	Sh/Clst: gy red to m brn, calc			0339-3L
4360.00						0352
	1.26	60	Sh/Clst: gy blk to ol blk, m gy, hd			0352-1L
		40	Ca : w to gy pi, cly			0352-2L
		tr	Ca : dsk y brn, dol			0352-3L
		tr	Cont : prp, fib			0352-4L
4369.00						0353
		35	Sh/Clst: ol blk to drk gy			0353-1L
		35	Ca : w to gy red, cly			0353-2L
		20	Sh/Clst: pl y brn to dsk y brn, calc			0353-3L
		10	Cont : Mica-ad, prp			0353-5L
		tr	Ca : dsk y brn, dol			0353-4L
4375.00						0354
		40	Cont : Mica-ad, prp			0354-5L
		35	Sh/Clst: brn blk to drk gy			0354-1L
		20	Ca : w to gy red, cly			0354-2L
		5	Sh/Clst: pl y brn, calc			0354-3L
		tr	Ca : dsk y brn, dol			0354-4L
4381.00						0355
		40	Sh/Clst: drk y brn, calc			0355-3L
		30	Sh/Clst: brn gy to drk gy			0355-1L
		20	Ca : gy pi to lt gy, cly			0355-2L
		10	Cont : Coal-ad, Mica-ad, prp			0355-5L
		tr	Ca : dsk y brn, dol			0355-4L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4387.00						0356
	1.58	60	Sh/Clst:	lt gy to drk y brn, calc		0356-3L
		20	Ca	: gy pi, cly		0356-2L
		15	Sh/Clst:	gy blk to drk gy		0356-1L
		5	Cont	: Mica-ad, prp		0356-4L
4393.00						0357
		40	Cont	: Mica-ad, prp		0357-4L
		30	Sh/Clst:	lt gy to drk y brn, calc		0357-3L
		20	Sh/Clst:	gy blk to drk gy		0357-1L
		10	Ca	: gy pi, cly		0357-2L
4399.00						0358
		70	Cont	: Mica-ad, prp		0358-4L
		10	Sh/Clst:	gy blk to drk gy		0358-1L
		10	Ca	: gy pi, cly		0358-2L
		10	Sh/Clst:	lt gy to drk y brn, calc		0358-3L
4402.00						0359
		75	Cont	: Mica-ad, prp, ns		0359-4L
		10	Sh/Clst:	gy blk to drk gy		0359-1L
		10	Ca	: gy pi, cly		0359-2L
		5	Sh/Clst:	lt gy to m gy, calc		0359-3L
4408.00						0360
	3.93	70	Sh/Clst:	gy blk to brn blk		0360-1L
		15	Cont	: Mica-ad, prp, ns		0360-4L
		10	Ca	: w to gy pi, cly		0360-2L
		5	Sh/Clst:	lt gy, drk y brn, calc		0360-3L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4414.00						0361
	2.57	85	Sh/Clst:	gy blk to brn blk, mic		0361-1L
		10	Ca	: w to pl red, cly		0361-2L
		5	Sh/Clst:	lt gy, drk y brn, calc		0361-3L
		tr	Cont	: Mica-ad, prp		0361-4L
4420.00						0362
	5.18	70	Sh/Clst:	brn blk to drk gy, mic		0362-1L
		20	Ca	: w to pl red, cly		0362-2L
		5	Sh/Clst:	lt gy, drk y brn, calc		0362-3L
		5	Cont	: Mica-ad, prp		0362-4L
4423.00						0363
	2.49	65	Sh/Clst:	brn blk to drk gy, mic		0363-1L
		30	Ca	: w to pl red, cly		0363-2L
		5	Cont	: Mica-ad, prp, ns		0363-4L
		tr	Sh/Clst:	lt gy to pl y brn, calc		0363-3L
4435.00						0364
	5.55	80	Sh/Clst:	brn blk to drk gy, mic		0364-1L
		20	Ca	: w to pl red, cly		0364-2L
		tr	Sh/Clst:	lt gy to pl y brn, calc		0364-3L
		tr	Cont	: Mica-ad, prp		0364-4L
4444.00						0365
	3.03	80	Sh/Clst:	brn blk to drk gy, mic		0365-1L
		10	Ca	: w to pl red, cly		0365-2L
		10	Sh/Clst:	lt gy to pl y brn, calc		0365-3L
		tr	Cont	: Mica-ad, prp		0365-4L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4450.00						0366
	2.41	50	Sh/Clst:	brn blk to drk gy, mic		0366-1L
		35	Sh/Clst:	lt gy to pl y brn, calc		0366-3L
		15	Ca	: w to pl red, cly		0366-2L
			tr Cont	: Mica-ad, prp		0366-4L
4465.00						0367
	2.36	80	Sh/Clst:	brn blk to drk gy, mic		0367-1L
		10	Sh/Clst:	w to pl red, calc		0367-2L
		10	Sh/Clst:	lt gy to pl y brn, calc		0367-3L
			tr Cont	: prp		0367-4L
4471.00						0368
	8.00	95	Sh/Clst:	brn blk, mic		0368-1L
		5	Sh/Clst:	w to lt gy to pl red to pl y brn, calc		0368-2L
			tr Cont	: prp		0368-3L
4477.00						0369
	3.22	95	Sh/Clst:	brn blk, mic		0369-1L
		5	Sh/Clst:	w to lt gy to pl red to pl y brn, calc		0369-2L
			tr Cont	: prp		0369-3L
4483.00						0370
	4.68	100	Sh/Clst:	brn blk, mic		0370-1L
			tr Sh/Clst:	w to pl red, calc		0370-2L
			tr Cont	: prp		0370-3L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
4489.00						0371
	8.55	95	Sh/Clst: brn blk, mic			0371-1L
		5	Sh/Clst: w to lt gy to pl red, calc			0371-2L
			tr Cont : prp			0371-3L
4495.00						0372
	6.98	95	Sh/Clst: brn blk, mic			0372-1L
		5	Sh/Clst: w to pl red, calc			0372-2L
			tr Cont : prp			0372-3L
4501.00						0373
	6.66	100	Sh/Clst: brn blk, mic			0373-1L
			tr Sh/Clst: w to pl red, calc			0373-2L
			tr Cont : prp			0373-3L
4507.00						0374
	3.32	100	Sh/Clst: blk to brn blk, mic			0374-1L
			tr Sh/Clst: w, calc			0374-2L
			tr Cont : prp			0374-3L
4513.00						0375
	7.81	90	Sh/Clst: brn blk, mic			0375-1L
		10	Sh/Clst: w to gy pi, calc			0375-2L
			tr Cont : prp			0375-3L
4519.00						0376
	4.95	90	Sh/Clst: brn blk, mic			0376-1L
		10	Sh/Clst: w to gy pi, calc			0376-2L
			tr Cont : prp			0376-3L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4525.00						0377
	8.58	90	Sh/Clst:	brn blk, mic		0377-1L
		10	Sh/Clst:	w to gy pi to lt gy, calc		0377-2L
			tr Cont	: prp		0377-3L
			tr S/Sst	: w, drk brn to dsk brn		0377-4L
4531.00						0378
	6.03	90	Sh/Clst:	brn blk, mic		0378-1L
		10	Sh/Clst:	w to gy pi to lt gy, calc		0378-2L
			tr Cont	: prp		0378-3L
			tr S/Sst	: w, drk brn to dsk brn		0378-4L
4537.00						0379
	5.92	70	Sh/Clst:	brn blk, mic		0379-1L
		20	Cont	: Mica-ad, prp		0379-3L
		10	Sh/Clst:	w to gy pi, calc		0379-2L
4543.00						0380
	3.85	60	Sh/Clst:	brn blk, mic		0380-1L
		40	Sh/Clst:	w to gy pi to lt gy, calc		0380-2L
			tr Cont	: Mica-ad, prp		0380-3L
4549.00						0381
	6.62	90	Sh/Clst:	brn blk, calc, mic		0381-1L
		10	Sh/Clst:	w to gy pi to lt gy, calc		0381-2L
			tr Cont	: Mica-ad, prp		0381-3L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Prm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4555.00						0382
	4.76	80	Sh/Clst:	brn blk, calc, mic		0382-1L
		15	Sh/Clst:	w to gy pi to lt gy, calc		0382-2L
		5	Cont	: Mica-ad, prp		0382-3L
4561.00						0383
	2.72	50	Sh/Clst:	brn blk, calc, mic		0383-1L
		35	S/Sst	: w, f, l		0383-4L
		10	Sh/Clst:	w to gy pi to lt gy, calc		0383-2L
		5	Cont	: Mica-ad, prp		0383-3L
4567.00						0384
	3.85	85	Sh/Clst:	brn blk, calc, mic		0384-1L
		15	Sh/Clst:	w to gy pi to lt gy, calc		0384-2L
		tr	Cont	: Mica-ad, prp		0384-3L
4573.00						0385
	3.04	90	Sh/Clst:	brn blk, calc, mic		0385-1L
		10	Sh/Clst:	w to gy pi to lt gy, calc		0385-2L
		tr	Cont	: Mica-ad, prp		0385-3L
4579.00						0386
		90	Sh/Clst:	brn blk, calc, mic		0386-1L
		10	Sh/Clst:	w to gy pi to lt gy, calc		0386-2L
		tr	Cont	: Mica-ad, prp		0386-3L
4585.00						0387
	6.47	100	Sh/Clst:	blk to brn blk, calc, mic		0387-1L
		tr	Sh/Clst:	w to gy pi to lt gy, calc		0387-2L
		tr	Cont	: Mica-ad, prp		0387-3L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4597.00						0388
		100		Sh/Clst: blk to brn blk, calc, mic		0388-1L
				tr Sh/Clst: w, calc		0388-2L
				tr Cont : prp		0388-3L
4603.00						0389
	7.52	90		Sh/Clst: brn blk to drk gy, calc, mic		0389-1L
		10		Sh/Clst: w to gy pi, calc		0389-2L
				tr Cont : prp		0389-3L
4609.00						0390
		90		Sh/Clst: brn blk to drk gy, calc, mic		0390-1L
		10		Sh/Clst: w to gy pi, calc		0390-2L
				tr Cont : prp		0390-3L
4615.00						0391
	6.54	95		Sh/Clst: brn blk, calc, mic		0391-1L
		5		Sh/Clst: w to lt gy, calc		0391-2L
				tr Cont : prp		0391-3L
4621.00						0392
		95		Sh/Clst: brn blk, calc, mic		0392-1L
		5		Sh/Clst: w to lt gy, calc		0392-2L
				tr Cont : prp		0392-3L
4627.00						0393
	4.37	85		Sh/Clst: brn blk to drk gy, calc, mic		0393-1L
		15		Sh/Clst: w to lt gy to pl red, calc		0393-2L
				tr Cont : prp		0393-3L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
4633.00						0394
			60 Sh/Clst:	brn blk to drk gy, calc, mic		0394-1L
			40 Sh/Clst:	lt gy to pl red to pl y brn, calc		0394-2L
			tr Cont	: prp		0394-3L
4639.00						0395
	4.03		60 Sh/Clst:	brn blk to drk gy, calc, mic		0395-1L
			40 Sh/Clst:	w to lt gy to pl red to pl y brn, calc		0395-2L
			tr Cont	: prp		0395-3L
4645.00						0396
			60 Sh/Clst:	brn blk to drk gy, calc, mic		0396-1L
			40 Sh/Clst:	w to lt gy to pl red to pl y brn, calc		0396-2L
			tr Cont	: prp		0396-3L
4648.00						0397
	4.99		60 Sh/Clst:	brn blk to drk gy, calc, mic		0397-1L
			40 Sh/Clst:	w to lt brn gy to pl red to pl y brn, calc		0397-2L
			tr Cont	: prp		0397-3L
4654.00						0398
	5.45		50 Sh/Clst:	brn blk to drk gy, calc, mic		0398-1L
			50 Sh/Clst:	w to gy pi to lt gy, calc		0398-2L
			tr Cont	: prp		0398-3L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4660.00						0399
	4.69		50	Sh/Clst: brn blk to drk gy, calc, mic		0399-1L
			50	Sh/Clst: lt gy, pl red, calc		0399-2L
			tr	Cont : prp		0399-3L
4666.00						0400
	3.34		50	Sh/Clst: brn blk to drk gy, calc, mic		0400-1L
			50	Sh/Clst: lt gy, pl red, calc		0400-2L
			tr	Cont : prp		0400-3L
4672.00						0401
			50	Sh/Clst: brn blk to drk gy, calc, mic		0401-1L
			50	Sh/Clst: lt gy, pl red, calc		0401-2L
			tr	Cont : prp, ns		0401-3L
4678.00						0402
	6.16		70	Sh/Clst: brn blk to drk gy, calc, mic		0402-1L
			30	Sh/Clst: gy pi, lt gy, lt brn gy, calc		0402-2L
			tr	Cont : prp		0402-3L
			tr	Other : pyr		0402-4L
4684.00						0403
			40	Cont : prp, dd		0403-3L
			30	Sh/Clst: brn blk to drk gy, calc, mic		0403-1L
			30	Sh/Clst: gy pi, lt gy, lt brn gy, calc		0403-2L
4690.00						0404
	2.86		80	Sh/Clst: brn blk to drk gy, calc, mic		0404-1L
			10	Sh/Clst: w to pl y brn, calc		0404-2L
			10	Cont : prp, dd		0404-3L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4696.00						0405
			85	Sh/Clst: brn blk to drk gy, calc, mic		0405-1L
			15	Sh/Clst: w to lt gy to pl y brn, calc		0405-2L
			tr	Cont : prp		0405-3L
4702.00						0406
	3.17		85	Sh/Clst: brn blk to drk gy, calc, mic		0406-1L
			15	Sh/Clst: w to lt gy to pl y brn, calc		0406-2L
			tr	Cont : prp, ns		0406-3L
4708.00						0407
			70	Sh/Clst: brn blk to drk gy, calc, mic		0407-1L
			30	Sh/Clst: w to lt gy to pl y brn, calc		0407-2L
			tr	Cont : prp, ns		0407-3L
4714.00						0408
	3.17		85	Sh/Clst: brn blk to drk gy, calc, mic		0408-1L
			15	Sh/Clst: w to lt gy, calc		0408-2L
			tr	Cont : prp		0408-3L
4720.00						0409
			80	Sh/Clst: brn blk to drk gy, calc, mic		0409-1L
			20	Sh/Clst: w to gy pi to lt gy, calc		0409-2L
			tr	Cont : prp		0409-3L
4726.00						0410
	3.02		85	Sh/Clst: brn blk to drk gy, calc, mic		0410-1L
			15	Sh/Clst: w to gy pi to lt gy, calc		0410-2L
			tr	Cont : prp		0410-3L
			tr	Sltst : w to lt gy, glauc		0410-4L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4732.00						0411
				85 Sh/Clst: brn gy to drk gy, calc, mic		0411-1L
				15 Sh/Clst: w to gy pi to lt gy, calc		0411-2L
				tr Cont : prp		0411-3L
				tr Sltst : w to lt gy, mic, glauc		0411-4L
4738.00						0412
	3.08			85 Sh/Clst: brn gy to drk gy, calc, mic		0412-1L
				15 Sh/Clst: w to gy pi to lt gy, calc		0412-2L
				tr Cont : prp		0412-3L
				tr Sltst : w to lt gy, mic, glauc		0412-4L
4744.00						0413
				80 Sltst : w to lt gy, mic, l		0413-4L
				20 Sh/Clst: brn gy to drk gy, calc, mic		0413-1L
				tr Sh/Clst: w to gy pi to lt gy, calc		0413-2L
				tr Cont : prp, ns		0413-3L
4750.00						0414
				45 Sh/Clst: brn gy to drk gy, calc, mic		0414-1L
				35 Sh/Clst: w to gy pi to lt gy, calc		0414-2L
				20 Sltst : w to lt gy to m gy, mic, l		0414-4L
				tr Cont : prp, ns		0414-3L
4754.00	ccp					0344
	0.67	100		Sltst : drk gy, calc, s, mic		0344-1L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
4756.00						0415
		45	Sh/Clst: brn blk to drk y brn, calc, mic			0415-1L
		35	Sh/Clst: w to gy pi to lt brn gy, calc			0415-2L
		20	Sltst : w to lt gy to m gy, mic, glauc			0415-4L
		tr	Cont : prp, ns			0415-3L
4759.00	ccp					0345
	0.73	100	Sltst : ol blk to drk gy, calc, s, mic			0345-1L
4762.00						0416
		40	Sh/Clst: brn blk to drk gy, calc, mic			0416-1L
		40	Cont : prp, ns, dd			0416-3L
		20	Sh/Clst: w to lt gy to lt brn gy, calc			0416-2L
		tr	Sltst : w, m gy, calc			0416-4L
4763.00	ccp					0346
	0.76	100	Sltst : ol blk to drk gy, calc, mic, glauc			0346-1L
4768.00						0417
		40	Sh/Clst: brn blk to drk gy, calc, mic			0417-1L
		30	Cont : prp, ns, dd			0417-3L
		15	Sh/Clst: w to lt gy to lt brn gy, calc			0417-2L
		15	Sltst : w, m gy, calc			0417-4L
4770.00	ccp					0347
	0.68	100	Sltst : ol blk to m drk gy, calc, mic, glauc			0347-1L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4774.00						0418
			40	Sh/Clst: brn blk to drk gy, calc, mic		0418-1L
			40	Cont : prp, ns, dd		0418-3L
			10	Sh/Clst: w to lt gy to lt brn gy, calc		0418-2L
			10	Sltst : w, m gy, calc		0418-4L
4780.00	ccp					0348
	0.81	100	Sltst	: brn blk, calc, mic, glauc		0348-1L
4780.00						0419
			50	Sh/Clst: brn blk to drk gy, calc, mic		0419-1L
			30	Sh/Clst: w to lt gy to lt brn gy to pl y brn, calc		0419-2L
			10	Cont : prp, ns, dd		0419-3L
			10	Sltst : w, m gy, calc		0419-4L
4786.00						0420
			75	Sh/Clst: brn blk to drk gy, calc, mic		0420-1L
			15	Sh/Clst: w to lt gy to lt brn gy to pl y brn, calc		0420-2L
			5	Cont : prp, ns, dd		0420-3L
			5	Sltst : w, m gy, calc, mic		0420-4L
			tr	Other : mic		0420-5L
4790.00	ccp					0349
	0.85	100	Sltst	: brn blk, calc, mic, glauc		0349-1L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4792.00						0421
				45 Sh/Clst: brn blk to drk gy, calc, mic		0421-1L
				35 Sh/Clst: w to lt gy to lt brn gy to pl red, calc		0421-2L
				15 Cont : prp, ns, dd		0421-3L
				5 Sltst : w, m gy, calc, mic		0421-4L
4798.00						0422
				65 Sh/Clst: brn blk to drk gy, calc, mic		0422-1L
				20 Cont : prp, ns, dd		0422-3L
				15 Sh/Clst: w to lt gy to lt brn gy, calc		0422-2L
				tr Sltst : w, m gy, calc, mic		0422-4L
4800.57	ccp					0350
	0.69	100	Sltst	: ol blk, calc, mic, glauc		0350-1L
4804.00						0423
				65 Sh/Clst: brn blk to drk gy, calc, mic		0423-1L
				30 Sh/Clst: w to lt gy to lt brn gy, calc		0423-2L
				5 Cont : prp, ns, dd		0423-3L
				tr Sltst : w, m gy, calc, mic		0423-4L
4810.00						0424
				65 Sh/Clst: brn blk to drk gy, calc, mic		0424-1L
				35 Sh/Clst: w to lt gy to lt brn gy, calc		0424-2L
				tr Cont : prp, ns, dd		0424-3L
				tr Sltst : w, m gy, calc, mic		0424-4L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4816.00						0425
	2.81	75	Sh/Clst:	brn blk to drk gy, calc, mic		0425-1L
		25	Marl	: w to lt gy to lt brn gy		0425-2L
			tr Cont	: prp, ns, dd		0425-3L
			tr Sltst	: w, m gy, calc, mic		0425-4L
4822.00						0433
		100	Cont	: Mica-ad		0433-3L
			tr Sh/Clst:	brn blk to drk gy, calc, mic		0433-1L
			tr Marl	: w to brn gy to lt gy to lt brn gy		0433-2L
			tr Sltst	: w, m gy, calc, mic		0433-4L
4828.00						0427
	2.96	60	Sh/Clst:	brn blk to drk gy, calc, mic		0427-1L
		35	Marl	: w to lt gy to lt brn gy		0427-2L
		5	Sltst	: w, m gy, calc, mic		0427-4L
			tr Cont	: prp, ns, dd		0427-3L
4834.00						0428
		80	Sh/Clst:	brn blk to drk gy, calc, mic		0428-1L
		20	Marl	: w to lt gy to lt brn gy		0428-2L
			tr Cont	: prp, ns, dd		0428-3L
			tr Sltst	: w, m gy, calc, mic		0428-4L
4840.00						0429
	2.71	80	Sh/Clst:	brn blk to drk gy, calc, mic		0429-1L
		20	Marl	: w to lt gy to lt brn gy		0429-2L
			tr Cont	: prp, ns		0429-3L
			tr Sltst	: w, m gy, pl y brn, calc, mic		0429-4L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4846.00						0430
				60 Sh/Clst: brn blk to drk gy, calc, mic		0430-1L
				40 Marl : w to lt gy to lt brn gy		0430-2L
				tr Cont : prp, ns		0430-3L
				tr Sltst : w, m gy, pl y brn, calc, mic		0430-4L
4852.00						0426
	2.06			60 Sh/Clst: brn blk to drk gy, calc, mic		0426-1L
				40 Marl : w to lt gy to lt brn gy		0426-2L
				tr Cont : prp, dd		0426-3L
				tr Sltst : w, m gy, calc, mic		0426-4L
4858.00						0431
				60 Sh/Clst: brn blk to drk gy, calc, mic		0431-1L
				40 Marl : w to lt gy to lt brn gy		0431-2L
				tr Cont : prp, ns		0431-3L
				tr Sltst : w, m gy, pl y brn, calc, mic		0431-4L
4864.00						0432
	2.67			60 Sh/Clst: brn blk to drk gy, calc, mic		0432-1L
				35 Marl : w to brn gy to lt gy to lt brn gy		0432-2L
				5 Cont : prp, ns		0432-3L
				tr Sltst : w, m gy, calc, mic		0432-4L
4870.00						0434
				75 S/Sst : w, f, l		0434-3L
				20 Sh/Clst: brn blk to drk gy, calc, mic		0434-1L
				5 Marl : w to lt gy to lt brn gy		0434-2L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4876.00						0435
	0.15	90	S/Sst	: w to lt gy, f, l		0435-3L
		10	Sh/Clst:	brn blk to m drk gy, calc, mic		0435-1L
			tr Marl	: w to lt gy to lt brn gy		0435-2L
4882.00						0436
	0.23	80	S/Sst	: w to lt gy to drk y brn, f		0436-3L
		20	Sh/Clst:	brn blk to m drk gy, calc, mic		0436-1L
			tr Marl	: w to lt gy to lt brn gy		0436-2L
4888.00						0437
		40	S/Sst	: w to lt gy to drk y brn, f		0437-3L
		30	Sh/Clst:	brn blk to m drk gy, calc, mic		0437-1L
		25	Kaolin	: w, m drk gy, hd		0437-4L
		5	Marl	: w to lt gy to lt brn gy		0437-2L
4894.00						0438
	0.26	65	S/Sst	: w to lt gy to drk y brn, f		0438-3L
		25	Sh/Clst:	brn blk to m drk gy, calc, mic		0438-1L
		10	Kaolin	: w, m drk gy, hd		0438-2L
4900.00						0439
		55	S/Sst	: w to lt gy to drk y brn, f		0439-3L
		25	Sh/Clst:	brn blk to m drk gy, calc, mic		0439-1L
		10	Kaolin	: w, m drk gy, hd		0439-2L
		10	Cont	: prp, dd		0439-4L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4903.00						0440
				40 Sh/Clst: brn blk to m drk gy, calc, mic		0440-1L
				40 S/Sst : w to lt gy to drk y brn, f		0440-3L
				20 Marl : w, lt gy, lt brn gy		0440-2L
				tr Cont : prp, dd		0440-4L
4912.00						0441
				40 Sh/Clst: brn blk to m drk gy, calc, mic		0441-1L
				40 S/Sst : w to lt gy to drk y brn, f		0441-3L
				20 Marl : w, lt gy, lt brn gy		0441-2L
				tr Cont : prp, dd		0441-4L
4917.50	swc					0351
	0.70	100		S/Sst : lt gy to lt brn gy		0351-1L
4930.00						0442
				80 Cont : Mica-ad		0442-4L
				20 S/Sst : w to lt gy to drk y brn, f		0442-3L
				tr Sh/Clst: brn blk to m drk gy, calc, mic		0442-1L
				tr Marl : w, lt gy, lt brn gy		0442-2L
4939.00						0443
				65 S/Sst : w to lt gy to drk y brn, f		0443-3L
				15 Sh/Clst: brn blk to m drk gy, calc, mic		0443-1L
				15 Cont : Mica-ad, prp		0443-4L
				5 Kaolin : w, m gy, hd		0443-2L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4948.00						0444
	0.18	65	S/Sst	: w to lt gy to drk y brn, f		0444-3L
		15	Sh/Clst:	brn blk to m drk gy, calc, mic		0444-1L
		15	Cont	: Mica-ad, prp		0444-4L
		5	Kaolin	: w, m gy, hd		0444-2L
4957.00						0445
		55	S/Sst	: w to lt gy to drk y brn, f		0445-3L
		30	Sh/Clst:	brn blk to m drk gy, calc, mic		0445-1L
		5	Kaolin	: w, m gy, hd		0445-2L
		5	Cont	: Mica-ad, prp		0445-4L
		5	Sltst	: w to lt gy		0445-5L
4963.00						0446
	0.30	55	S/Sst	: w to lt gy to drk y brn		0446-3L
		30	Sh/Clst:	brn blk to m drk gy, calc, mic		0446-1L
		5	Kaolin	: w, m gy, hd		0446-2L
		5	Cont	: Mica-ad, prp		0446-4L
		5	Sltst	: w to lt gy to pl y brn		0446-5L
4969.00						0447
		60	Sh/Clst:	brn blk to m drk gy, calc, mic		0447-1L
		15	S/Sst	: w to lt gy		0447-3L
		15	Marl	: w to lt gy to pl y brn		0447-5L
		5	Kaolin	: w, m gy, hd		0447-2L
		5	Cont	: Mica-ad, prp, fib		0447-4L
4975.00						0448
	3.33	60	Sh/Clst:	brn blk to m drk gy, calc, mic		0448-1L
		15	S/Sst	: w to lt gy		0448-3L
		15	Marl	: w to lt gy to pl y brn		0448-5L
		5	Kaolin	: w, m gy, hd		0448-2L
		5	Cont	: Mica-ad, prp, fib		0448-4L

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Table 1 : Lithology description for well NOCS 1/6-7

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
4981.00						0449
	2.75	85	Sh/Clst: brn blk to m drk gy, calc, mic			0449-1L
		10	Marl : w to lt gy to pl y brn			0449-5L
		5	Kaolin : w, m gy, hd			0449-2L
		tr	S/Sst : w to lt gy			0449-3L
		tr	Cont : Mica-ad, prp, fib			0449-4L
4987.00						0450
		100	Cont : Mica-ad, prp, fib			0450-4L
		tr	Sh/Clst: brn blk to m drk gy, calc, mic			0450-1L
		tr	Kaolin : w, m gy, hd			0450-2L
		tr	S/Sst : w to lt gy			0450-3L
		tr	Marl : w to lt gy to pl y brn			0450-5L
4993.00						0451
		100	Cont : Mica-ad, prp, fib			0451-4L
		tr	Sh/Clst: brn blk to m drk gy, calc, mic			0451-1L
		tr	Kaolin : w, m gy, hd			0451-2L
		tr	S/Sst : w to lt gy			0451-3L
		tr	Marl : w to lt gy to pl y brn			0451-5L

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1010.00	cut	Sh/Clst: y gy, or gy, lt gy to lt ol gy	0.06	0.22	2.06	0.11	0.34	65	606	0.3	0.21	443	0066-1L
1100.00	cut	Sh/Clst: ol gy to m drk gy	0.27	2.13	1.43	1.49	1.40	152	102	2.4	0.11	433	0057-1L
1210.00	cut	Sh/Clst: brn gy to m drk gy	0.22	1.97	1.83	1.08	1.59	124	115	2.2	0.10	435	0046-1L
1300.00	cut	Sh/Clst: ol gy to lt ol gy	0.31	2.39	1.59	1.50	1.63	147	98	2.7	0.11	430	0037-1L
1410.00	cut	Sh/Clst: ol gy to ol blk	0.16	1.43	1.00	1.43	1.15	124	87	1.6	0.10	431	0003-1L
1500.00	cut	Sh/Clst: ol gy to lt ol gy	0.10	0.93	0.70	1.33	0.93	100	75	1.0	0.10	424	0012-1L
1650.00	cut	Sh/Clst: ol gy to lt ol gy	0.07	0.77	0.48	1.60	0.78	99	62	0.8	0.08	424	0024-1L
1800.00	cut	Sh/Clst: lt ol gy to drk y brn	0.17	5.75	0.59	9.75	1.77	325	33	5.9	0.03	435	0077-1L
1950.00	cut	Sh/Clst: lt ol gy to drk y brn to dsk y brn	0.09	4.04	0.97	4.16	2.02	200	48	4.1	0.02	437	0092-1L
2100.00	cut	Sh/Clst: lt ol gy to pl y brn	0.11	4.55	0.72	6.32	1.95	233	37	4.7	0.02	436	0107-1L
2250.00	cut	Sh/Clst: lt ol gy to drk y brn to pl y brn	0.15	6.83	0.91	7.51	2.65	258	34	7.0	0.02	437	0122-1L
2400.00	cut	Sh/Clst: lt ol gy, drk y brn to dsk y brn	0.18	8.02	0.58	13.83	2.98	269	19	8.2	0.02	436	0137-1L
2550.00	cut	Sh/Clst: lt ol gy, drk y brn to dsk y brn	0.06	1.74	0.51	3.41	1.22	143	42	1.8	0.03	438	0152-1L

Table 2 : Rock-Eval table for well NOCS 1/6-7

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Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
2700.00	cut	Sh/Clst: drk y brn, dsk y brn	0.33	5.89	0.96	6.14	2.43	242	40	6.2	0.05	439	0167-3L
2850.00	cut	Sh/Clst: lt ol gy to drk y brn to dsk y brn	0.20	2.34	0.26	9.00	1.13	207	23	2.5	0.08	440	0182-1L
2926.00	cut	Sh/Clst: lt gy to m gy	0.05	0.67	0.22	3.05	0.42	160	52	0.7	0.07	434	0191-1L
2929.00	cut	Sh/Clst: lt gy to m gy	0.04	0.61	0.22	2.77	0.41	149	54	0.7	0.06	434	0192-1L
2932.00	cut	Sh/Clst: y gy to lt brn gy, dsk y brn	0.28	5.46	0.64	8.53	2.06	265	31	5.7	0.05	436	0193-2L
2944.00	cut	Sh/Clst: lt gy to m gy	0.04	0.46	0.37	1.24	0.30	153	123	0.5	0.08	437	0194-1L
2992.00	cut	Sh/Clst: lt gy to lt ol gy to m gy	0.04	0.83	0.29	2.86	0.56	148	52	0.9	0.05	438	0198-1L
3100.00	cut	Sh/Clst: drk gy	0.38	3.14	0.37	8.49	1.40	224	26	3.5	0.11	440	0206-2L
3196.00	cut	Sh/Clst: lt brn gy to drk y brn to dsk y brn	0.25	4.64	0.66	7.03	1.78	261	37	4.9	0.05	439	0214-3L
3296.00	ccp	Ca : w to lt gy	-	0.05	0.49	0.10	0.20	25	245	0.1	-	442	0341-1L
3303.00	ccp	Ca : w	0.01	0.14	0.22	0.64	0.18	78	122	0.2	0.07	450	0342-1L
3313.00	ccp	Ca : w	0.02	0.14	0.20	0.70	0.19	74	105	0.2	0.13	514	0343-1L
3409.00	cut	Ca : w	0.01	0.06	0.13	0.46	0.13	46	100	0.1	0.14	440	0232-1L

Table 2 : Rock-Eval table for well NOCS 1/6-7

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Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
3493.00	cut	Ca : w	0.02	0.19	0.52	0.37	0.20	95	260	0.2	0.10	449	0239-1L
3601.00	cut	Ca : w	0.02	0.16	0.37	0.43	0.14	114	264	0.2	0.11	466	0248-1L
3697.00	cut	Ca : w to pl red	0.02	0.18	0.53	0.34	0.22	82	241	0.2	0.10	480	0256-1L
3805.00	cut	Ca : lt gy to m gy	0.01	0.30	0.14	2.14	0.24	125	58	0.3	0.03	504	0265-3L
3901.00	cut	Ca : w	-	0.18	0.12	1.50	0.15	120	80	0.2	-	502	0275-1L
3997.00	cut	Ca : w	0.01	0.09	0.10	0.90	0.11	82	91	0.1	0.10	435	0283-1L
4105.00	cut	Ca : w to y gy	-	0.12	0.11	1.09	0.09	133	122	0.1	-	501	0300-1L
4201.00	cut	Sh/Clst: lt gy to m drk gy	0.03	0.24	0.12	2.00	0.56	43	21	0.3	0.11	441	0314-2L
4309.00	cut	Sh/Clst: gy blk to m gy to drk gy	0.14	0.30	0.08	3.75	0.50	60	16	0.4	0.32	408	0331-2L
4339.00	cut	Sh/Clst: ol gy to ol blk to drk gy	0.05	0.22	0.11	2.00	0.56	39	20	0.3	0.19	501	0336-2L
4360.00	cut	Sh/Clst: gy blk to ol blk, m gy	0.35	0.62	0.12	5.17	1.26	49	10	1.0	0.36	464	0352-1L
4387.00	cut	Sh/Clst: lt gy to drk y brn	5.88	3.54	0.43	8.23	1.58	224	27	9.4	0.62	425	0356-3L
4408.00	cut	Sh/Clst: gy blk to brn blk	6.12	5.57	0.39	14.28	3.93	142	10	11.7	0.52	436	0360-1L
4414.00	cut	Sh/Clst: gy blk to brn blk	3.65	3.31	0.39	8.49	2.57	129	15	7.0	0.52	441	0361-1L
4420.00	cut	Sh/Clst: brn blk to drk gy	7.29	7.44	0.74	10.05	5.18	144	14	14.7	0.49	446	0362-1L

Table 2 : Rock-Eval table for well NOCS 1/6-7

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Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
4423.00	cut	Sh/Clst: brn blk to drk gy	3.62	2.92	0.69	4.23	2.49	117	28	6.5	0.55	448	0363-1L
4435.00	cut	Sh/Clst: brn blk to drk gy	8.41	7.15	0.70	10.21	5.55	129	13	15.6	0.54	442	0364-1L
4444.00	cut	Sh/Clst: brn blk to drk gy	6.06	4.40	0.71	6.20	3.03	145	23	10.5	0.58	444	0365-1L
4450.00	cut	Sh/Clst: brn blk to drk gy	3.74	3.46	0.72	4.81	2.41	144	30	7.2	0.52	449	0366-1L
4465.00	cut	Sh/Clst: brn blk to drk gy	2.50	2.64	0.66	4.00	2.36	112	28	5.1	0.49	451	0367-1L
4471.00	cut	Sh/Clst: brn blk	4.19	13.33	0.92	14.49	8.00	167	12	17.5	0.24	460	0368-1L
4477.00	cut	Sh/Clst: brn blk	2.77	4.42	0.67	6.60	3.22	137	21	7.2	0.39	453	0369-1L
4483.00	cut	Sh/Clst: brn blk	3.35	5.04	0.87	5.79	4.68	108	19	8.4	0.40	453	0370-1L
4489.00	cut	Sh/Clst: brn blk	4.16	17.03	0.83	20.52	8.55	199	10	21.2	0.20	462	0371-1L
4495.00	cut	Sh/Clst: brn blk	4.82	10.73	0.67	16.01	6.98	154	10	15.6	0.31	458	0372-1L
4501.00	cut	Sh/Clst: brn blk	4.46	10.58	0.80	13.22	6.66	159	12	15.0	0.30	461	0373-1L
4507.00	cut	Sh/Clst: blk to brn blk	4.18	12.25	0.73	16.78	3.32	369	22	16.4	0.25	460	0374-1L
4513.00	cut	Sh/Clst: brn blk	4.25	11.86	1.05	11.30	7.81	152	13	16.1	0.26	454	0375-1L
4519.00	cut	Sh/Clst: brn blk	3.91	6.74	0.66	10.21	4.95	136	13	10.6	0.37	458	0376-1L
4525.00	cut	Sh/Clst: brn blk	3.91	12.79	1.01	12.66	8.58	149	12	16.7	0.23	463	0377-1L

Table 2 : Rock-Eval table for well NOCS 1/6-7

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
4531.00	cut	Sh/Clst: brn blk	4.34	8.24	0.93	8.86	6.03	137	15	12.6	0.34	459	0378-1L
4537.00	cut	Sh/Clst: brn blk	6.50	9.46	0.77	12.29	5.92	160	13	16.0	0.41	454	0379-1L
4543.00	cut	Sh/Clst: brn blk	3.11	5.57	0.84	6.63	3.85	145	22	8.7	0.36	457	0380-1L
4549.00	cut	Sh/Clst: brn blk	5.69	9.74	0.94	10.36	6.62	147	14	15.4	0.37	462	0381-1L
4555.00	cut	Sh/Clst: brn blk	4.20	7.37	0.71	10.38	4.76	155	15	11.6	0.36	459	0382-1L
4561.00	cut	Sh/Clst: brn blk	2.84	3.31	0.80	4.14	2.72	122	29	6.2	0.46	455	0383-1L
4567.00	cut	Sh/Clst: brn blk	3.71	5.23	0.70	7.47	3.85	136	18	8.9	0.41	459	0384-1L
4573.00	cut	Sh/Clst: brn blk	2.09	2.66	0.93	2.86	3.04	88	31	4.8	0.44	455	0385-1L
4585.00	cut	Sh/Clst: blk to brn blk	5.01	6.89	0.93	7.41	6.47	106	14	11.9	0.42	457	0387-1L
4603.00	cut	Sh/Clst: brn blk to drk gy	6.07	8.46	0.98	8.63	7.52	113	13	14.5	0.42	455	0389-1L
4615.00	cut	Sh/Clst: brn blk	6.94	6.39	1.01	6.33	6.54	98	15	13.3	0.52	450	0391-1L
4627.00	cut	Sh/Clst: brn blk to drk gy	4.01	4.21	0.77	5.47	4.37	96	18	8.2	0.49	450	0393-1L
4639.00	cut	Sh/Clst: brn blk to drk gy	3.63	3.81	0.87	4.38	4.03	95	22	7.4	0.49	451	0395-1L
4648.00	cut	Sh/Clst: brn blk to drk gy	3.63	5.61	0.94	5.97	4.99	112	19	9.2	0.39	456	0397-1L
4654.00	cut	Sh/Clst: brn blk to drk gy	2.86	6.64	1.09	6.09	5.45	122	20	9.5	0.30	462	0398-1L

Table 2 : Rock-Eval table for well NOCS 1/6-7

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Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
4660.00	cut	Sh/Clst: brn blk to drk gy	2.93	5.63	0.93	6.05	4.69	120	20	8.6	0.34	458	0399-1L
4666.00	cut	Sh/Clst: brn blk to drk gy	2.68	4.32	0.96	4.50	3.34	129	29	7.0	0.38	461	0400-1L
4678.00	cut	Sh/Clst: brn blk to drk gy	3.53	5.81	0.88	6.60	6.16	94	14	9.3	0.38	456	0402-1L
4690.00	cut	Sh/Clst: brn blk to drk gy	3.32	2.50	0.84	2.98	2.86	87	29	5.8	0.57	444	0404-1L
4702.00	cut	Sh/Clst: brn blk to drk gy	4.11	3.36	0.94	3.57	3.17	106	30	7.5	0.55	445	0406-1L
4714.00	cut	Sh/Clst: brn blk to drk gy	2.77	3.15	1.03	3.06	3.17	99	32	5.9	0.47	450	0408-1L
4726.00	cut	Sh/Clst: brn blk to drk gy	3.32	3.05	0.98	3.11	3.02	101	32	6.4	0.52	445	0410-1L
4738.00	cut	Sh/Clst: brn gy to drk gy	3.87	3.32	1.15	2.89	3.08	108	37	7.2	0.54	443	0412-1L
4754.00	ccp	Sltst : drk gy	0.41	0.38	0.17	2.24	0.67	57	25	0.8	0.52	362	0344-1L
4759.00	ccp	Sltst : ol blk to drk gy	0.38	0.36	0.18	2.00	0.73	49	25	0.7	0.51	362	0345-1L
4763.00	ccp	Sltst : ol blk to drk gy	0.22	0.42	0.39	1.08	0.76	55	51	0.6	0.34	363	0346-1L
4770.00	ccp	Sltst : ol blk to m drk gy	0.30	0.32	0.10	3.20	0.68	47	15	0.6	0.48	392	0347-1L
4780.00	ccp	Sltst : brn blk	0.53	0.63	1.95	0.32	0.81	78	241	1.2	0.46	363	0348-1L
4790.00	ccp	Sltst : brn blk	0.36	0.34	0.12	2.83	0.85	40	14	0.7	0.51	406	0349-1L
4800.57	ccp	Sltst : ol blk	0.17	0.23	0.05	4.60	0.69	33	7	0.4	0.43	420	0350-1L

Table 2 : Rock-Eval table for well NOCS 1/6-7

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
4816.00	cut	Sh/Clst: brn blk to drk gy	3.81	3.38	0.94	3.60	2.81	120	33	7.2	0.53	450	0425-1L
4828.00	cut	Sh/Clst: brn blk to drk gy	3.92	3.71	0.99	3.75	2.96	125	33	7.6	0.51	445	0427-1L
4840.00	cut	Sh/Clst: brn blk to drk gy	3.63	3.28	0.95	3.45	2.71	121	35	6.9	0.53	446	0429-1L
4852.00	cut	Sh/Clst: brn blk to drk gy	3.28	2.21	1.00	2.21	2.06	107	49	5.5	0.60	452	0426-1L
4864.00	cut	Sh/Clst: brn blk to drk gy	3.63	3.31	1.06	3.12	2.67	124	40	6.9	0.52	446	0432-1L
4876.00	cut	S/Sst : w to lt gy	0.06	0.01	0.32	0.03	0.15	7	213	0.1	0.86	417	0435-3L
4882.00	cut	S/Sst : w to lt gy to drk y brn	0.21	0.15	0.17	0.88	0.23	65	74	0.4	0.58	406	0436-3L
4894.00	cut	S/Sst : w to lt gy to drk y brn	0.28	0.14	0.14	1.00	0.26	54	54	0.4	0.67	402	0438-3L
4917.50	swc	S/Sst : lt gy to lt brn gy	1.20	0.67	0.20	3.35	0.70	96	29	1.9	0.64	389	0351-1L
4948.00	cut	S/Sst : w to lt gy to drk y brn	0.24	0.09	0.11	0.82	0.18	50	61	0.3	0.73	413	0444-3L
4963.00	cut	S/Sst : w to lt gy to drk y brn	0.34	0.17	0.15	1.13	0.30	57	50	0.5	0.67	413	0446-3L
4975.00	cut	Sh/Clst: brn blk to m drk gy	4.55	4.07	0.36	11.31	3.33	122	11	8.6	0.53	445	0448-1L
4981.00	cut	Sh/Clst: brn blk to m drk gy	3.02	2.64	0.89	2.97	2.75	96	32	5.7	0.53	446	0449-1L

Table 3 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 1/6-7

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Depth unit of measure: m

Depth	Typ	Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
1300.00	cut	Sh/Clst: ol gy to lt ol gy	4.60	21.54	57.98	15.88	2.39	0037-1L
1800.00	cut	Sh/Clst: lt ol gy to drk y brn	6.21	31.03	49.64	13.13	5.75	0077-1L
1950.00	cut	Sh/Clst: lt ol gy to drk y brn to dsk y brn	5.29	19.05	48.95	26.72	4.04	0092-1L
2700.00	cut	Sh/Clst: drk y brn, dsk y brn	4.88	16.33	41.64	37.15	5.89	0167-3L
2932.00	cut	Sh/Clst: y gy to lt brn gy, dsk y brn	6.76	21.75	46.33	25.16	5.46	0193-2L
3196.00	cut	Sh/Clst: lt brn gy to drk y brn to dsk y brn	6.01	22.40	46.14	25.45	4.64	0214-3L
4387.00	cut	Sh/Clst: lt gy to drk y brn	6.20	19.18	37.94	36.68	3.54	0356-3L
4420.00	cut	Sh/Clst: brn blk to drk gy	5.41	24.29	44.27	26.03	7.44	0362-1L
4450.00	cut	Sh/Clst: brn blk to drk gy	5.51	22.36	45.32	26.81	3.46	0366-1L
4495.00	cut	Sh/Clst: brn blk	9.64	26.76	42.13	21.48	10.73	0372-1L
4525.00	cut	Sh/Clst: brn blk	11.82	25.85	37.57	24.76	12.79	0377-1L
4543.00	cut	Sh/Clst: brn blk	7.69	21.14	38.91	32.26	5.57	0380-1L
4585.00	cut	Sh/Clst: blk to brn blk	11.73	30.50	40.91	16.86	6.89	0387-1L

Table 3 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 1/6-7

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Depth unit of measure: m

Depth	Typ	Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
4648.00	cut	Sh/Clst: brn blk to drk gy	7.87	23.52	39.72	28.89	5.61	0397-1L
4660.00	cut	Sh/Clst: brn blk to drk gy	8.00	21.37	38.69	31.93	5.63	0399-1L
4754.00	ccp	Sltst : drk gy	5.97	25.39	43.37	25.27	0.38	0344-1L
4790.00	ccp	Sltst : brn blk	9.99	34.21	42.37	13.43	0.34	0349-1L
4840.00	cut	Sh/Clst: brn blk to drk gy	4.80	18.04	41.72	35.43	3.28	0429-1L
4882.00	cut	S/Sst : w to lt gy to drk y brn	8.15	31.76	45.54	14.54	0.15	0436-3L
4917.50	swc	S/Sst : lt gy to lt brn gy	7.00	34.99	40.10	17.91	0.67	0351-1L
4963.00	cut	S/Sst : w to lt gy to drk y brn	9.47	29.79	41.96	18.78	0.17	0446-3L
4975.00	cut	Sh/Clst: brn blk to m drk gy	5.30	18.99	40.01	35.70	4.07	0448-1L

Table 4 a: Weight of EOM and Chromatographic Fraction for well NOCS 1/6-7

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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
2931.00	oil	bulk	-	30.5	7.7	9.9	5.8	7.1	17.6	12.9	-	0456-0B
4420.00	cut	Sh/Clst: brn blk to drk gy	7.0	49.6	35.8	7.2	2.8	3.8	43.0	6.6	4.19	0362-1L
4444.00	cut	Sh/Clst: brn blk to drk gy	4.3	33.2	25.9	3.6	1.5	2.2	29.5	3.7	3.65	0365-1L
4495.00	cut	Sh/Clst: brn blk	6.2	35.1	20.5	6.4	3.9	4.3	26.9	8.2	7.56	0372-1L
4537.00	cut	Sh/Clst: brn blk	6.2	55.0	38.6	8.9	3.1	4.4	47.5	7.5	6.51	0379-1L
4615.00	cut	Sh/Clst: brn blk	7.9	45.2	35.0	6.3	2.0	1.9	41.3	3.9	7.24	0391-1L
4702.00	cut	Sh/Clst: brn blk to drk gy	6.6	41.8	30.9	6.9	1.6	2.4	37.8	4.0	2.94	0406-1L
4759.00	ccp	Sltst : ol blk to drk gy	9.3	7.3	5.4	1.2	0.4	0.3	6.6	0.7	0.54	0345-1L
4780.00	ccp	Sltst : brn blk	9.9	10.7	7.2	2.2	0.6	0.7	9.4	1.3	0.91	0348-1L
4852.00	cut	Sh/Clst: brn blk to drk gy	7.8	47.4	34.9	7.7	1.6	3.2	42.6	4.8	2.89	0426-1L
4894.00	cut	S/Sst : w to lt gy to drk y brn	6.2	40.3	30.2	5.1	2.1	2.9	35.3	5.0	4.08	0438-3L
4917.50	swc	S/Sst : lt gy to lt brn gy	4.5	7.7	6.2	0.5	0.7	0.3	6.7	1.0	0.81	0351-1L
4963.00	cut	S/Sst : w to lt gy to drk y brn	2.2	1.4	0.4	0.3	0.5	0.2	0.7	0.7	0.33	0446-3L
4981.00	cut	Sh/Clst: brn blk to m drk gy	7.9	25.5	13.3	7.0	1.9	3.3	20.3	5.2	3.29	0449-1L

Table 4 b: Concentration of EOM and Chromatographic Fraction (wt ppm rock) for well NOCS 1/6-7

Page: 1

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
2931.00	oil	bulk	-	-	-	-	-	-	-	0456-0B
4420.00	cut	Sh/Clst: brn blk to drk gy	7126	5143	1034	402	545	6178	948	0362-1L
4444.00	cut	Sh/Clst: brn blk to drk gy	7667	5981	831	346	508	6812	854	0365-1L
4495.00	cut	Sh/Clst: brn blk	5698	3327	1038	633	698	4366	1331	0372-1L
4537.00	cut	Sh/Clst: brn blk	8856	6215	1433	499	708	7648	1207	0379-1L
4615.00	cut	Sh/Clst: brn blk	5743	4447	800	254	241	5247	495	0391-1L
4702.00	cut	Sh/Clst: brn blk to drk gy	6362	4703	1050	243	365	5753	608	0406-1L
4759.00	ccp	Sltst : ol blk to drk gy	787	582	129	43	32	711	75	0345-1L
4780.00	ccp	Sltst : brn blk	1079	726	221	60	70	948	131	0348-1L
4852.00	cut	Sh/Clst: brn blk to drk gy	6061	4462	984	204	409	5447	613	0426-1L
4894.00	cut	S/Sst : w to lt gy to drk y brn	6458	4839	817	336	464	5657	801	0438-3L
4917.50	swc	S/Sst : lt gy to lt brn gy	1718	1383	111	156	66	1495	223	0351-1L
4963.00	cut	S/Sst : w to lt gy to drk y brn	642	183	137	229	91	321	321	0446-3L
4981.00	cut	Sh/Clst: brn blk to m drk gy	3207	1672	880	238	415	2553	654	0449-1L

Table 4 c: Concentration of EOM and Chromatographic Fraction (mg/g TOC(e)) for well NOCS 1/6-7

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Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
2931.00	oil	bulk	-	-	-	-	-	-	-	0456-0B
4420.00	cut	Sh/Clst: brn blk to drk gy	170.08	122.76	24.69	9.60	13.03	147.45	22.63	0362-1L
4444.00	cut	Sh/Clst: brn blk to drk gy	210.07	163.88	22.78	9.49	13.92	186.66	23.41	0365-1L
4495.00	cut	Sh/Clst: brn blk	75.37	44.02	13.74	8.37	9.23	57.76	17.61	0372-1L
4537.00	cut	Sh/Clst: brn blk	136.05	95.48	22.01	7.67	10.88	117.50	18.55	0379-1L
4615.00	cut	Sh/Clst: brn blk	79.33	61.43	11.06	3.51	3.33	72.48	6.84	0391-1L
4702.00	cut	Sh/Clst: brn blk to drk gy	216.40	159.97	35.72	8.28	12.43	195.69	20.71	0406-1L
4759.00	ccp	Sltst : ol blk to drk gy	145.83	107.87	23.97	7.99	5.99	131.85	13.98	0345-1L
4780.00	ccp	Sltst : brn blk	118.65	79.84	24.40	6.65	7.76	104.23	14.42	0348-1L
4852.00	cut	Sh/Clst: brn blk to drk gy	209.74	154.43	34.07	7.08	14.16	188.50	21.24	0426-1L
4894.00	cut	S/Sst : w to lt gy to drk y brn	158.29	118.62	20.03	8.25	11.39	138.65	19.64	0438-3L
4917.50	swc	S/Sst : lt gy to lt brn gy	212.19	170.86	13.78	19.29	8.27	184.63	27.56	0351-1L
4963.00	cut	S/Sst : w to lt gy to drk y brn	194.61	55.60	41.70	69.50	27.80	97.30	97.30	0446-3L
4981.00	cut	Sh/Clst: brn blk to m drk gy	97.49	50.85	26.76	7.26	12.62	77.61	19.88	0449-1L

Table 4 d: Composition of material extracted from the rock (%) for well NOCS 1/6-7

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Depth unit of measure: m

Depth	Typ	Lithology	Sat	Aro	Asph	NSO	HC	Non-HC	Sat	HC	Sample
			EOM	EOM	EOM	EOM	EOM	EOM	Aro	Non-HC	
2931.00	oil	bulk	25.25	32.46	19.02	23.28	57.70	42.30	77.78	136.43	0456-0B
4420.00	cut	Sh/Clst: brn blk to drk gy	72.18	14.52	5.65	7.66	86.69	13.31	497.22	651.52	0362-1L
4444.00	cut	Sh/Clst: brn blk to drk gy	78.01	10.84	4.52	6.63	88.86	11.14	719.44	797.30	0365-1L
4495.00	cut	Sh/Clst: brn blk	58.40	18.23	11.11	12.25	76.64	23.36	320.31	328.05	0372-1L
4537.00	cut	Sh/Clst: brn blk	70.18	16.18	5.64	8.00	86.36	13.64	433.71	633.33	0379-1L
4615.00	cut	Sh/Clst: brn blk	77.43	13.94	4.42	4.20	91.37	8.63	555.56	1058.97	0391-1L
4702.00	cut	Sh/Clst: brn blk to drk gy	73.92	16.51	3.83	5.74	90.43	9.57	447.83	945.00	0406-1L
4759.00	ccp	Sltst : ol blk to drk gy	73.97	16.44	5.48	4.11	90.41	9.59	450.00	942.86	0345-1L
4780.00	ccp	Sltst : brn blk	67.29	20.56	5.61	6.54	87.85	12.15	327.27	723.08	0348-1L
4852.00	cut	Sh/Clst: brn blk to drk gy	73.63	16.24	3.38	6.75	89.87	10.13	453.25	887.50	0426-1L
4894.00	cut	S/Sst : w to lt gy to drk y brn	74.94	12.66	5.21	7.20	87.59	12.41	592.16	706.00	0438-3L
4917.50	swc	S/Sst : lt gy to lt brn gy	80.52	6.49	9.09	3.90	87.01	12.99	1240.00	670.00	0351-1L
4963.00	cut	S/Sst : w to lt gy to drk y brn	28.57	21.43	35.71	14.29	50.00	50.00	133.33	100.00	0446-3L
4981.00	cut	Sh/Clst: brn blk to m drk gy	52.16	27.45	7.45	12.94	79.61	20.39	190.00	390.38	0449-1L

Table 5 : Saturated Hydrocarbon Ratios for well NOCS 1/6-7

Depth unit of measure: m

Depth	Typ	Lithology	Pristane	Pristane	Pristane + Phytane	Phytane	CPI	Sample
			nC17	Phytane	nC17 + nC18	nC18		
2931.00	oil	bulk	1.65	3.00	1.02	0.48	—	0456-0B
4420.00	cut	Sh/Clst: brn blk to drk gy	0.33	1.51	0.29	0.26	1.10	0362-1L
4444.00	cut	Sh/Clst: brn blk to drk gy	0.38	1.49	0.35	0.31	1.18	0365-1L
4495.00	cut	Sh/Clst: brn blk	0.33	1.74	0.28	0.22	1.05	0372-1L
4537.00	cut	Sh/Clst: brn blk	0.32	1.54	0.29	0.25	1.07	0379-1L
4615.00	cut	Sh/Clst: brn blk	0.28	1.60	0.25	0.21	1.01	0391-1L
4702.00	cut	Sh/Clst: brn blk to drk gy	0.35	1.52	0.31	0.27	1.08	0406-1L
4759.00	ccp	Sltst : ol blk to drk gy	0.37	1.26	0.33	0.29	1.13	0345-1L
4780.00	ccp	Sltst : brn blk	0.36	1.51	0.31	0.25	1.08	0348-1L
4852.00	cut	Sh/Clst: brn blk to drk gy	0.36	1.52	0.32	0.27	1.11	0426-1L
4894.00	cut	S/Sst : w to lt gy to drk y brn	0.34	1.64	0.30	0.25	1.06	0438-3L
4917.50	swc	S/Sst : lt gy to lt brn gy	0.83	1.27	0.76	0.68	1.00	0351-1L
4963.00	cut	S/Sst : w to lt gy to drk y brn	0.41	1.34	0.37	0.33	1.05	0446-3L
4981.00	cut	Sh/Clst: brn blk to m drk gy	0.36	1.47	0.32	0.28	1.09	0449-1L

Table 6 : Aromatic Hydrocarbon Ratios for well NOCS 1/6-7

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Depth unit of measure: m

Depth	Typ	Lithology	MNR	DMNR	BPhR	2/1MP	MPI1	MPI2	Rc	DBT/P	4/1MDBT	(3+2) /1MDBT	Sample
2931.00	oil	bulk	1.19	1.46	-	-	-	-	-	-	-	-	0456-0B
4420.00	cut	Sh/Clst: brn blk to drk gy	1.50	2.66	0.19	1.12	0.92	1.06	0.95	-	-	-	0362-1L
4444.00	cut	Sh/Clst: brn blk to drk gy	1.25	2.56	0.15	1.13	0.97	1.12	0.98	-	-	-	0365-1L
4495.00	cut	Sh/Clst: brn blk	1.59	3.44	0.24	1.22	1.02	1.15	1.01	-	-	-	0372-1L
4537.00	cut	Sh/Clst: brn blk	1.70	3.64	0.20	1.44	1.14	1.29	1.08	-	-	-	0379-1L
4615.00	cut	Sh/Clst: brn blk	1.53	3.24	0.19	1.20	1.05	1.20	1.03	-	-	-	0391-1L
4702.00	cut	Sh/Clst: brn blk to drk gy	1.72	3.08	0.21	1.33	1.05	1.23	1.03	-	-	-	0406-1L
4759.00	ccp	Sltst : ol blk to drk gy	2.89	8.01	0.24	2.34	1.55	1.75	1.33	-	-	-	0345-1L
4780.00	ccp	Sltst : brn blk	2.53	6.77	0.29	2.11	1.45	1.66	1.27	-	-	-	0348-1L
4852.00	cut	Sh/Clst: brn blk to drk gy	1.70	3.11	0.23	1.29	1.06	1.19	1.04	-	-	-	0426-1L
4894.00	cut	S/Sst : w to lt gy to drk y brn	1.86	3.34	0.22	1.31	1.14	1.27	1.08	-	-	-	0438-3L
4917.50	swc	S/Sst : lt gy to lt brn gy	-	2.94	-	2.27	1.80	2.04	1.48	-	-	-	0351-1L
4963.00	cut	S/Sst : w to lt gy to drk y brn	-	-	-	2.05	1.42	1.58	1.25	-	-	-	0446-3L
4981.00	cut	Sh/Clst: brn blk to m drk gy	1.70	2.88	0.21	1.33	1.06	1.21	1.04	-	-	-	0449-1L

Table 7 : Thermal Maturity Data for well NOCS 1/6-7

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Depth unit of measure: m

Depth	Typ	Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	T _{max} (°C)	Sample
1010.00	cut	Sh/Clst: y gy, or gy, lt gy to lt ol gy	0.38	20	0.05	3-4	-	443	0066-1L
1060.00	cut	Sh/Clst: lt ol gy to ol gy, gy blk	0.35	20	0.06	3-4	-	-	0061-1L
1100.00	cut	Sh/Clst: ol gy to m drk gy	0.40	12	0.06	4	-	433	0057-1L
1150.00	cut	Sh/Clst: brn gy to m drk gy	0.35	9	0.04	3-4	-	-	0052-1L
1210.00	cut	Sh/Clst: brn gy to m drk gy	0.28	8	0.01	4	-	435	0046-1L
1250.00	cut	Sh/Clst: lt gy, brn gy to m drk gy	0.29	11	0.05	4	-	-	0042-1L
1300.00	cut	Sh/Clst: ol gy to lt ol gy	0.27	20	0.04	3-4	-	430	0037-1L
1300.00	cut	Sh/Clst: ol gy to lt ol gy	0.27	20	0.04	3-4	4.0-4.5	430	0037-1L
1350.00	cut	Sh/Clst: ol gy, lt brn gy	0.28	9	0.06	4	-	-	0032-1L
1410.00	cut	Sh/Clst: ol gy to ol blk	0.33	4	0.06	4	-	431	0003-1L
1460.00	cut	Sh/Clst: ol gy to lt ol gy	0.32	10	0.04	3-4	-	-	0008-1L
1500.00	cut	Sh/Clst: ol gy to lt ol gy	0.38	2	0.00	3-4	-	424	0012-1L
1550.00	cut	Sh/Clst: ol gy to lt ol gy	0.42	1	0.00	3-4	-	-	0016-1L

Table 7 : Thermal Maturity Data for well NOCS 1/6-7

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Depth unit of measure: m

Depth	Typ	Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	T _{max} (°C)	Sample
1600.00	cut	Sh/Clst: ol gy to lt ol gy	0.34	2	0.06	3-5	-	-	0021-1L
1650.00	cut	Sh/Clst: ol gy to lt ol gy	0.46	1	0.00	3-4	-	424	0024-1L
1700.00	cut	Sh/Clst: ol gy to lt ol gy	0.29	1	0.00	3-4	-	-	0067-1L
1750.00	cut	Sh/Clst: ol gy	0.36	5	0.04	3-4	-	-	0072-3L
1800.00	cut	Sh/Clst: lt ol gy to drk y brn	0.28	6	0.02	3-5	-	435	0077-1L
1850.00	cut	Sh/Clst: lt ol gy to drk y brn	0.30	14	0.04	3-4	-	-	0082-1L
1900.00	cut	Sh/Clst: lt ol gy to drk y brn	0.31	8	0.04	3-4	-	-	0087-1L
1950.00	cut	Sh/Clst: lt ol gy to drk y brn to dsk y brn	0.33	20	0.04	3-4	-	437	0092-1L
1950.00	cut	Sh/Clst: lt ol gy to drk y brn to dsk y brn	0.33	20	0.04	3-4	5.5	437	0092-1L
2000.00	cut	Sh/Clst: lt ol gy to drk y brn	NDP	-	-	3-4	-	-	0097-1L
2050.00	cut	Sh/Clst: lt ol gy to drk y brn	0.34	16	0.05	3-4	-	-	0102-1L
2100.00	cut	Sh/Clst: lt ol gy to pl y brn	0.33	5	0.04	3+4	-	436	0107-1L
2150.00	cut	Sh/Clst: lt ol gy to drk y brn to pl y brn	0.36	7	0.05	3-5	-	-	0112-1L

Table 7 : Thermal Maturity Data for well NOCS 1/6-7

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Depth unit of measure: m

Depth	Typ Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	T _{max} (°C)	Sample
2200.00	cut Sh/Clst: lt ol gy to drk y brn to pl y brn	0.30	9	0.04	4+5	-	-	0117-1L
2250.00	cut Sh/Clst: lt ol gy to drk y brn to pl y brn	0.36	10	0.04	3-5	-	437	0122-1L
2310.00	cut Sh/Clst: lt ol gy to dsk y brn	0.37	20	0.04	4	-	-	0128-1L
2350.00	cut Sh/Clst: lt ol gy to dsk y brn	0.35	20	0.05	3-5	-	-	0132-1L
2400.00	cut Sh/Clst: lt ol gy, drk y brn to dsk y brn	0.41	20	0.05	3-5	-	436	0137-1L
2450.00	cut Sh/Clst: lt ol gy, drk y brn to dsk y brn	0.42	20	0.04	3-6	-	-	0142-1L
2500.00	cut Sh/Clst: lt ol gy, drk y brn to dsk y brn	0.41	4	0.01	4	-	-	0147-1L
2550.00	cut Sh/Clst: lt ol gy, drk y brn to dsk y brn	0.39	6	0.07	4	-	438	0152-1L
2600.00	cut Sh/Clst: lt ol gy, drk y brn, dsk y brn	0.42	8	0.06	3-4	-	-	0157-1L
2650.00	cut Sh/Clst: drk y brn, dsk y brn	0.38	11	0.03	3-5	-	-	0162-3L

Table 7 : Thermal Maturity Data for well NOCS 1/6-7

Depth unit of measure: m

Depth	Typ	Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	T _{max} (°C)	Sample
2700.00	cut	Sh/Clst: drk y brn, dsk y brn	0.42	11	0.05	3+4	-	439	0167-3L
2700.00	cut	Sh/Clst: drk y brn, dsk y brn	0.42	11	0.05	3+4	6.5(?)	439	0167-3L
2750.00	cut	Sh/Clst: lt ol gy to drk y brn	0.38	6	0.04	4	-	-	0172-1L
2800.00	cut	Sh/Clst: lt ol gy to drk y brn to dsk y brn	0.51	2	0.01	3-5	-	-	0177-1L
2850.00	cut	Sh/Clst: lt ol gy to drk y brn to dsk y brn	0.36	7	0.05	3-5	-	440	0182-1L
2900.00	cut	Sh/Clst: lt ol gy to drk y brn to dsk y brn	0.43	4	0.03	4+5	-	-	0187-1L
2956.00	cut	Sh/Clst: lt gy to lt ol gy to m gy	0.42	2	0.01	4+5	-	-	0195-1L
2992.00	cut	Sh/Clst: lt gy to lt ol gy to m gy	NDP	-	-	4-5	-	438	0198-1L
3052.00	cut	Sh/Clst: gy blk to m gy	0.43	7	0.06	4+5	-	-	0203-2L
3100.00	cut	Sh/Clst: drk gy	0.53	1	0.00	4	-	440	0206-2L
3148.00	cut	Sh/Clst: m gy to drk gy	NDP	-	-	4	-	-	0211-2L
3196.00	cut	Sh/Clst: lt brn gy to drk y brn to dsk y brn	0.40	20	0.05	4+5	-	439	0214-3L

Table 7 : Thermal Maturity Data for well NOCS 1/6-7

Depth unit of measure: m

Depth	Typ Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	T _{max} (°C)	Sample
3196.00	cut Sh/Clst: lt brn gy to drk y brn to dsk y brn	0.40	20	0.05	4+5	6.0-6.5	439	0214-3L
3253.00	cut Sh/Clst: gn gy to lt ol gy to m lt bl gy	NDP	-	-	4	-	-	0219-1L
3303.00	ccp Ca : w	NDP	-	-	0	-	450	0342-1L
3349.00	cut Ca : w	NDP	-	-	0	-	-	0227-1L
3397.00	cut Ca : w	NDP	-	-	0	-	-	0231-1L
3445.00	cut Ca : w	NDP	-	-	0	-	-	0235-1L
3505.00	cut Ca : w	NDP	-	-	0	-	-	0240-1L
3553.00	cut Ca : w	NDP	-	-	0	-	-	0244-1L
3601.00	cut Ca : w	NDP	-	-	0	-	466	0248-1L
3649.00	cut Ca : w	NDP	-	-	0	-	-	0252-1L
3697.00	cut Ca : w to pl red	NDP	-	-	0	-	480	0256-1L
3769.00	cut Sh/Clst: lt gy to m gy	NDP	-	-	4	-	-	0262-3L
3805.00	cut Ca : w	NDP	-	-	0	-	-	0265-1L

Table 7 : Thermal Maturity Data for well NOCS 1/6-7

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Depth unit of measure: m

Depth	Typ Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	T _{max} (°C)	Sample
3829.00	cut Ca : lt gy to m gy	NDP	-	-	4-7	-	-	0269-3L
3913.00	cut Sh/Clst: m gy to drk gy	1.36	4	0.15	0	-	-	0279-2L
3949.00	cut Sh/Clst: m gy to drk gy	NDP	-	-	3-4	-	-	0278-2L
4009.00	cut Ca : w	NDP	-	-	0	-	-	0284-1L
4075.00	cut Ca : w to lt gy	NDP	-	-	0	-	-	0295-1L
4105.00	cut Ca : w to y gy	NDP	-	-	0	-	501	0300-1L
4147.00	cut Sh/Clst: ol blk to lt gy	1.41	1	0.00	4+5	-	-	0307-2L
4201.00	cut Sh/Clst: lt gy to m drk gy	0.63	2	0.11	0	-	441	0314-2L
4231.00	cut Sh/Clst: brn blk to lt gy to m gy	NDP	-	-	0	-	-	0319-2L
4309.00	cut Sh/Clst: gy blk to m gy to drk gy	NDP	-	-	0	-	408	0331-2L
4351.00	cut Sh/Clst: gy blk to drk gy, ol gy	1.24	3	0.14	0	-	-	0338-2L
4408.00	cut Sh/Clst: gy blk to brn blk	0.84	5	0.09	0	-	436	0360-1L
4450.00	cut Sh/Clst: brn blk to drk gy	0.83	6	0.05	0	-	449	0366-1L
4450.00	cut Sh/Clst: brn blk to drk gy	0.83	6	0.05	0	8.5	449	0366-1L

Table 7 : Thermal Maturity Data for well NOCS 1/6-7

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Depth unit of measure: m

Depth	Typ	Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	T _{max} (°C)	Sample
4501.00	cut	Sh/Clst: brn blk	1.12	7	0.08	0	-	461	0373-1L
4549.00	cut	Sh/Clst: brn blk	1.08	4	0.03	0	-	462	0381-1L
4603.00	cut	Sh/Clst: brn blk to drk gy	1.13	4	0.10	0	-	455	0389-1L
4648.00	cut	Sh/Clst: brn blk to drk gy	1.08	12	0.05	0	-	456	0397-1L
4648.00	cut	Sh/Clst: brn blk to drk gy	1.08	12	0.05	0	9.0	456	0397-1L
4702.00	cut	Sh/Clst: brn blk to drk gy	1.14	4	0.03	0	-	445	0406-1L
4754.00	ccp	Sltst : drk gy	1.36	2	0.18	0	-	362	0344-1L
4770.00	ccp	Sltst : ol blk to m drk gy	1.18	7	0.10	0	-	392	0347-1L
4800.57	ccp	Sltst : ol blk	1.15	4	0.19	0	-	420	0350-1L

Table 8 : Visual Kerogen Composition Data for well NOCS 1/6-7

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Depth unit of measure: m

Depth	Typ	Lithology	L	A	L	S	C		D	A	B	I	S	I	M	S		V	C	V	A	
			I	m	i	p	u	R	A	n	c	E	F	e	n	c	B	I	T	o	i	B
			P	o	p	/	t	e	l	n	c	R	s	F	D	r	e	T	l	l	D	r
			T	r	D	P	i	s	g	o	r	T	i	u	e	i	r	R	i	i	e	t
			%	L	t	l	l	n	e	l	t	L	%	n	s	t	n	o	I	%	n	n
																						Sample
1300.00	cut	Sh/Clst: ol gy to lt ol gy	20		*	**	*		*	*	?	30		*	**			50	*	**		0037-1L
1950.00	cut	Sh/Clst: lt ol gy to drk y brn to dsk y brn	75		*	**	*		*	*		5		*				20		*		0092-1L
2700.00	cut	Sh/Clst: drk y brn, dsk y brn	95		**	**	*		*	*		TR		*				5		*		0167-3L
2932.00	cut	Sh/Clst: y gy to lt brn gy, dsk y brn	100		**	**	*		*	*		TR		*				TR		*		0193-2L
3196.00	cut	Sh/Clst: lt brn gy to drk y brn to dsk y brn	70		*	**	*		*	*		5	*	*	*			25		*		0214-3L
4387.00	cut	Sh/Clst: lt gy to drk y brn	100		**		*		*			TR		*				TR		*		0356-3L
4420.00	cut	Sh/Clst: brn blk to drk gy	100		**		*		*			TR		*				TR		*		0362-1L
4450.00	cut	Sh/Clst: brn blk to drk gy	60		**		**		?			30	*	*				10	*			0366-1L
4495.00	cut	Sh/Clst: brn blk	90		**		*		?			10	*	*				TR	*			0372-1L
4525.00	cut	Sh/Clst: brn blk	80		**		*		?			20	*	*				TR	*			0377-1L
4585.00	cut	Sh/Clst: blk to brn blk	95		**		*		?			5	*	*				TR	*			0387-1L
4648.00	cut	Sh/Clst: brn blk to drk gy	95		**		*		?			5	*	*				TR	*			0397-1L

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Table 8 : Visual Kerogen Composition Data for well NOCS 1/6-7

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Depth unit of measure: m

Depth	Typ	Lithology	L	A	L	S	C		D	I	S	I	M	S	V	C	V	A	Sample
			P	m	i	p	u	R	A	N	F	n	i	c	I	T	o	i	
			T	r	D	P	t	e	l	R	s	F	D	r	R	e	l	D	
			%	L	t	e	-c	i	a	%	n	u	e	n	%	n	n	t	
4660.00	cut	Sh/Clst: brn blk to drk gy	55	**	*			?		35	*	**			10		*		0399-1L
4790.00	ccp	Sltst : brn blk	20	**	**			*		80	*	*			TR	*			0349-1L
4840.00	cut	Sh/Clst: brn blk to drk gy	60	**	**			?		35	*	*			5	*			0429-1L
4975.00	cut	Sh/Clst: brn blk to m drk gy	50	**	**			*		45	*	*			5	*			0448-1L

Table 9A: Variation in Triterpane Distribution (peak height) SIR for Well NOCS 1/6-7

Page: 1

Depth unit of measure: m

Depth	Lithology	B/A	B/B+A	B		C/E	C/C+E	X/E	Z/E	Z/C	Z/Z+E	Q/E	E/E+F	C+D		J1		Sample
				B+E+F										C+D+E+F	D+F/C+E	J1+J2%		
2931.00	bulk	0.68	0.41	0.68	0.95	0.49	1.57	0.26	0.28	0.21	1.33	0.82	0.53	0.32	-	-	0456-0	
4420.00	Sh/Clst	0.23	0.19	0.56	-	-	3.26	-	-	-	1.65	1.00	-	-	-	-	0362-1	
4495.00	Sh/Clst	0.41	0.29	1.00	-	-	-	-	-	-	-	-	-	-	-	-	0372-1	
4615.00	Sh/Clst	0.90	0.47	0.22	0.59	0.37	0.15	-	-	-	0.20	0.82	0.37	0.23	54.65	-	0391-1	
4702.00	Sh/Clst	0.34	0.25	0.45	0.73	0.42	1.57	-	-	-	0.68	1.00	0.42	-	100.00	-	0406-1	
4780.00	Sltst	1.38	0.58	0.37	0.74	0.43	-	-	-	-	0.50	1.00	0.43	-	100.00	-	0348-1	
4894.00	S/Sst	0.47	0.32	1.00	-	1.00	-	-	-	-	-	-	1.00	-	-	-	0438-3	
4917.50	S/Sst	0.69	0.41	0.34	0.83	0.45	0.43	-	-	-	1.04	1.00	0.45	-	100.00	-	0351-1	

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Table 9B: Variation in Sterane Distribution (peak height) SIR for Well NOCS 1/6-7

Page: 1

Depth unit of measure: m

Depth	Lithology	Ratio1	Ratio2	Ratio3	Ratio4	Ratio5	Ratio6	Ratio7	Ratio8	Ratio9	Ratio10	Sample
2931.00	bulk	0.32	55.45	54.10	0.51	0.52	0.60	0.54	0.37	1.24	1.32	0456-0
4420.00	Sh/Clst	0.86	-	100.00	2.00	1.00	0.72	0.57	1.00	-	-	0362-1
4495.00	Sh/Clst	0.77	-	100.00	1.98	1.00	0.74	0.61	1.00	-	-	0372-1
4615.00	Sh/Clst	0.82	56.43	67.54	1.97	0.65	0.33	0.25	0.51	1.29	2.39	0391-1
4702.00	Sh/Clst	0.89	47.88	71.36	2.02	0.72	0.52	0.40	0.55	0.92	2.39	0406-1
4780.00	Sltst	0.84	44.09	72.42	1.36	0.75	0.53	0.42	0.57	0.79	2.35	0348-1
4894.00	S/Sst	0.90	-	85.05	1.80	1.00	0.62	0.49	0.74	-	2.84	0438-3
4917.50	S/Sst	0.83	49.58	75.83	1.90	0.76	0.63	0.48	0.61	0.98	3.11	0351-1

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 9C: Variation in Triaromatic Sterane Distribution for Well Well NOCS 1/6-7

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>Ratio1</u>	<u>Ratio2</u>	<u>Ratio3</u>	<u>Ratio4</u>	<u>Ratio5</u>	<u>Sample</u>
2931.00	bulk	0.33	0.40	0.16	0.18	0.25	0456-0
4420.00	Sh/Clst	1.00	1.00	1.00	1.00	1.00	0362-1
4495.00	Sh/Clst	1.00	1.00	1.00	1.00	1.00	0372-1
4615.00	Sh/Clst	1.00	1.00	1.00	1.00	1.00	0391-1
4702.00	Sh/Clst	0.97	0.93	0.87	0.90	0.94	0406-1
4780.00	Sltst	1.00	1.00	1.00	1.00	1.00	0348-1
4894.00	S/Sst	1.00	1.00	1.00	1.00	1.00	0438-3
4917.50	S/Sst	1.00	1.00	1.00	1.00	1.00	0351-1

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

Table 9D: Variation in Monoaromatic Sterane Distribution for Well NOCS 1/6-7

Page: 1

Depth unit of measure: m

Depth	Lithology	Ratio1	Ratio2	Ratio3	Ratio4	Sample
2931.00	bulk	0.84	0.78	0.73	0.47	0456-0
4420.00	Sh/Clst	0.76	-	0.50	0.31	0362-1
4495.00	Sh/Clst	0.67	-	0.37	0.18	0372-1
4615.00	Sh/Clst	0.54	-	0.26	0.14	0391-1
4702.00	Sh/Clst	0.75	-	0.53	0.34	0406-1
4780.00	Sltst	0.56	-	0.23	0.12	0348-1
4894.00	S/Sst	0.68	-	0.40	0.27	0438-3
4917.50	S/Sst	0.78	-	0.47	0.29	0351-1

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

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

Table 9E: Aromatisation of Steranes for Well NOCS 1/6-7

Depth unit of measure: m

Depth	Lithology	Ratio1	Ratio2	Sample
2931.00	bulk	0.36	0.88	0456-0
4420.00	Sh/Clst	1.00	-	0362-1
4495.00	Sh/Clst	1.00	-	0372-1
4615.00	Sh/Clst	1.00	-	0391-1
4702.00	Sh/Clst	0.65	0.44	0406-1
4780.00	Sltst	1.00	-	0348-1
4894.00	S/Sst	1.00	-	0438-3
4917.50	S/Sst	1.00	-	0351-1

Ratio1: $\frac{Cl+Dl+El+Fl+Gl+Hl+Il}{Cl+Dl+El+Fl+Gl+Hl+Il + cl+dl+el+fl+gl}$

Ratio2: $g1 / g1 + I1$

Table 9F: Raw GCMS triterpane data (peak height) SIR for Well NOCS 1/6-7

Page: 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			
2931.00	bulk	78818.9 66248.7 0.0	55888.7 16792.2 0.0	29081.2 42087.7 0.0	58540.0 9288.9 0.0	17706.0 0.0 0.0	160773.8 0.0 0.0	110084.6 0.0 0.0	11017.8 0.0 0.0	40036.6 0.0 0.0	0456-0
4420.00	Sh/Clst	10425.6 11811.3 0.0	5970.3 0.0 0.0	0.0 3628.4 0.0	0.0 0.0 0.0	0.0 0.0 0.0	19664.0 0.0 0.0	4526.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0362-1
4495.00	Sh/Clst	12696.0 4307.3 0.0	7584.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	8365.4 0.0 0.0	3388.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0372-1
4615.00	Sh/Clst	12436.0 6412.0 7027.2	8515.2 6072.0 4379.2	0.0 43415.0 0.0	6976.0 9672.0 0.0	0.0 14207.3 0.0	16656.0 9194.4 0.0	14976.5 0.0 0.0	0.0 0.0 0.0	25676.0 8468.4 0.0	0391-1
4702.00	Sh/Clst	13765.6 22709.5 0.0	9774.3 0.0 0.0	0.0 14425.9 0.0	7947.2 0.0 0.0	0.0 7958.0 0.0	35232.5 5878.7 0.0	11852.0 0.0 0.0	0.0 0.0 0.0	10500.8 5810.7 0.0	0406-1

Table 9F: Raw GCMS triterpane data (peak height) SIR for Well NOCS 1/6-7

Page: 2

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			
4780.00	Sltst	24275.7	11204.4	6631.3	5904.0	0.0	9508.0	13149.7	0.0	16674.0	0348-1
		0.0	0.0	0.0	22451.2	0.0	11409.2	9376.0	0.0	4494.2	
		0.0	6320.0	0.0	0.0	0.0	0.0	0.0			
4894.00	S/Sst	13601.3	7731.3	5116.0	5664.0	0.0	15358.6	7247.0	0.0	3900.4	0438-3
		8880.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
		0.0	0.0	0.0	0.0	0.0	0.0	0.0			
4917.50	S/Sst	47568.0	24908.0	10184.0	8668.8	0.0	17612.0	12104.0	0.0	19808.0	0351-1
		10269.2	0.0	23967.5	0.0	13060.0	8843.2	0.0	6974.3		
		0.0	7845.8	0.0	0.0	0.0	0.0	0.0			

Table 9G: Raw GCMS sterane data (peak height) SIR for Well NOCS 1/6-7

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					
2931.00	bulk	74152.1	22630.3	7120.4	16368.7	9643.2	0.0	12131.6	8700.9	0.0	0456-0
		0.0	0.0	14983.8	29263.6	16987.5		0.0	18411.4	16238.4	
		10285.9	22669.4	12169.7	11922.2	18215.5					
4420.00	Sh/Clst	12837.1	3797.5	28913.7	16270.7	9269.1	6316.7	12169.3	6525.0	3277.6	0362-1
		13938.5	3286.0	4842.6	9595.1	4014.7		0.0	2811.9	4004.1	
		0.0	0.0	3432.3	3154.8	0.0					
4495.00	Sh/Clst	16168.6	7142.0	12516.0	8149.3	7632.4	2616.9	5285.0	4342.7	2824.2	0372-1
		8229.7	3903.0	3778.6	4790.6		0.0	0.0	2613.0	4150.6	
		0.0	0.0	3272.4	4916.9	0.0					
4615.00	Sh/Clst	9619.6	0.0	21613.7	13158.5	9161.9	5809.9	11001.2	5823.1	2845.7	0391-1
		14232.9	5322.7	4831.8	7553.3		0.0	0.0	3463.2	6130.7	
		3719.8	5357.0	4616.9	5262.3	4136.9					
4702.00	Sh/Clst	17396.6	7364.6	51534.7	31764.6	16839.8	11698.5	23708.8	12281.1	5630.4	0406-1
		27438.4	7557.0	6097.2	15075.3	6220.0		0.0	6495.2	7836.3	
		3219.3	4793.9	6166.4	6304.1	5217.6					

Table 9G: Raw GCMS sterane data (peak height) SIR for Well NOCS 1/6-7

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					
4780.00	Sltst	16117.5	9191.7	26193.6	16039.4	10093.7	6366.3	11605.2	6468.4	5462.8	0348-1
		20054.8	6982.8	5163.9	10899.3	6136.5	0.0	6167.0	5138.8		
		0.0	4233.9	5135.9	7471.9	5369.3					
4894.00	S/Sst	13727.4	5760.0	25465.2	17716.5	11645.6	5233.0	12149.0	6600.6	3339.0	0438-3
		14242.1	3657.7	2711.5	10586.1	4393.2	0.0	4200.3	4363.7		
		0.0	0.0	3352.3	5606.8	3149.2					
4917.50	S/Sst	51547.5	14412.0	77271.7	50567.7	24450.3	19662.5	30694.0	18960.4	11484.8	0351-1
		42408.9	15879.9	15408.6	26420.3	11911.2	5873.1	9603.7	12987.7		
		5114.0	7590.7	10496.1	13520.1	7719.0					

Table 9H: Raw GCMS triaromatic sterane data (peak height) for Well NOCS 1/6-7

Page: 1

Depth unit of measure: m

Depth	Lithology	a1	b1	c1	d1	e1	f1	g1	Sample
2931.00	bulk	121536.0	163024.0	608149.4	369344.0	119681.6	170191.4	245558.9	0456-0
4420.00	Sh/Clst	226606.2	95908.3	0.0	0.0	0.0	0.0	0.0	0362-1
4495.00	Sh/Clst	122998.3	104344.0	0.0	0.0	0.0	0.0	0.0	0372-1
4615.00	Sh/Clst	119384.0	112302.5	0.0	0.0	0.0	0.0	0.0	0391-1
4702.00	Sh/Clst	169695.3	71408.5	6473.3	11702.8	5362.7	7378.5	5304.0	0406-1
4780.00	Sltst	39982.3	30721.3	0.0	0.0	0.0	0.0	0.0	0348-1
4894.00	S/Sst	130452.8	65978.7	0.0	0.0	0.0	0.0	0.0	0438-3
4917.50	S/Sst	174417.8	113534.7	0.0	0.0	0.0	0.0	0.0	0351-1

Table 9I: Raw GCMS monoaromatic sterane data (peak height) for Well NOCS 1/6-7

Page: 1

Depth unit of measure: m

Depth	Lithology	a1	b1	c1	d1	e1	f1	g1	h1	i1	Sample
2931.00	bulk	463021.7	301632.0	394096.0	110421.5	85624.8	74410.8	89045.3	79639.1	32589.6	0456-0
4420.00	Sh/Clst	30095.1	0.0	9360.0	16715.0	9341.7	0.0	20704.7	5602.8	6335.4	0362-1
4495.00	Sh/Clst	18863.0	0.0	6133.3	16616.0	9313.2	0.0	22713.8	15526.7	17129.2	0372-1
4615.00	Sh/Clst	27055.6	0.0	16206.0	30027.0	23008.0	0.0	54216.0	34018.9	13739.5	0391-1
4702.00	Sh/Clst	34323.2	0.0	8633.8	11875.6	11356.3	0.0	19547.8	7894.6	6835.1	0406-1
4780.00	Sltst	11487.8	0.0	3715.5	14932.0	8848.8	0.0	29844.2	14333.9	9134.2	0348-1
4894.00	S/Sst	25220.9	0.0	5885.3	11366.7	11920.7	0.0	26031.3	8185.2	6165.7	0438-3
4917.50	S/Sst	47933.7	0.0	7192.0	21227.0	13822.5	0.0	39932.5	19916.3	16200.5	0351-1

Schlumberger

GECO-PRAKLA

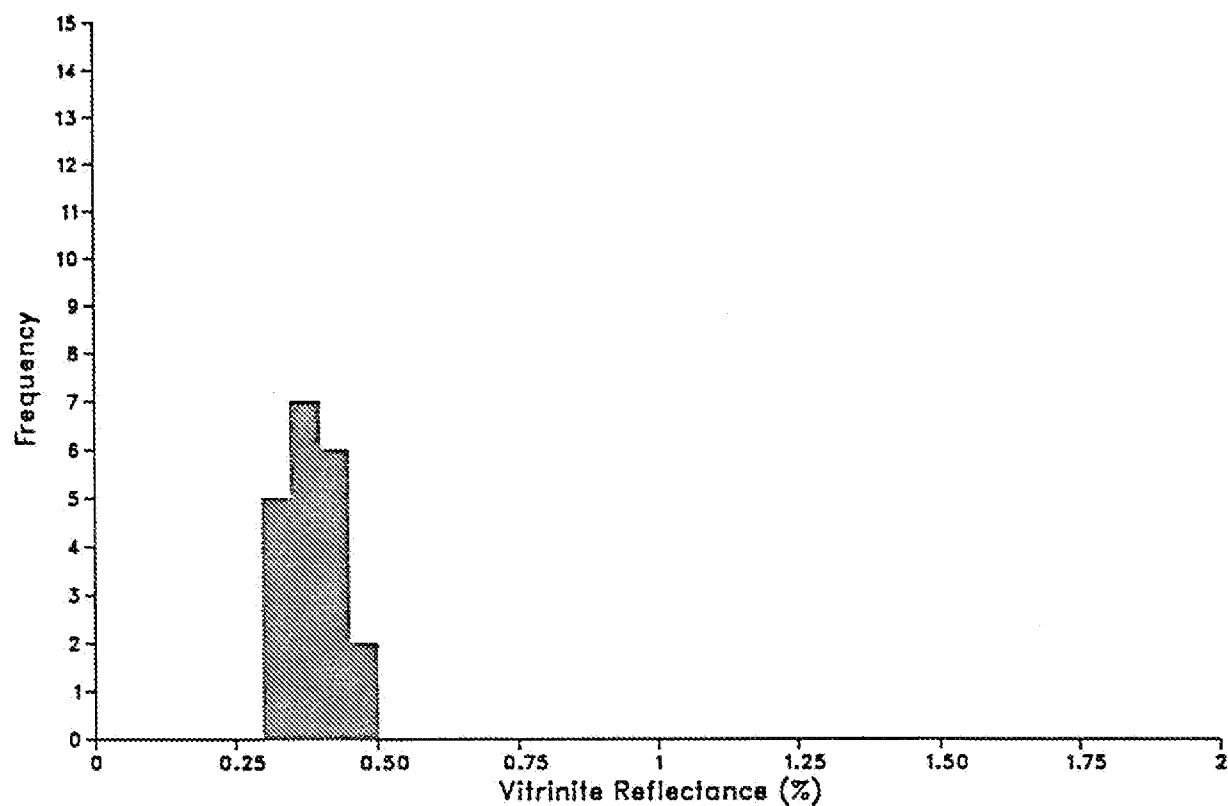
GEOLAB  NOR

APPENDIX 2

Histograms

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 1010.00(m)



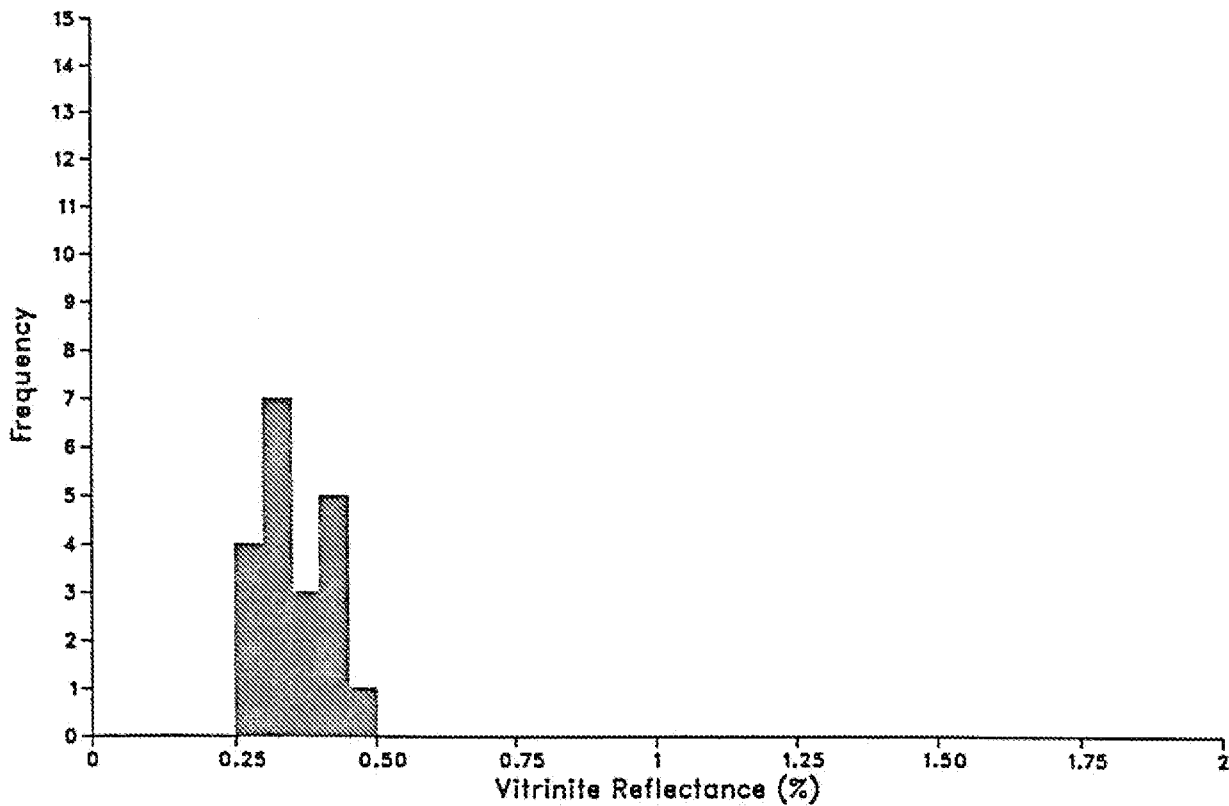
Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.300 to 0.500):	0.38	0.05	20

Readings:

0.300	0.310	0.311	0.340	0.341	0.350	0.351	0.360	0.361	0.370
0.371	0.399	0.400	0.401	0.429	0.430	0.431	0.440	0.450	0.460

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 1060.00(m)

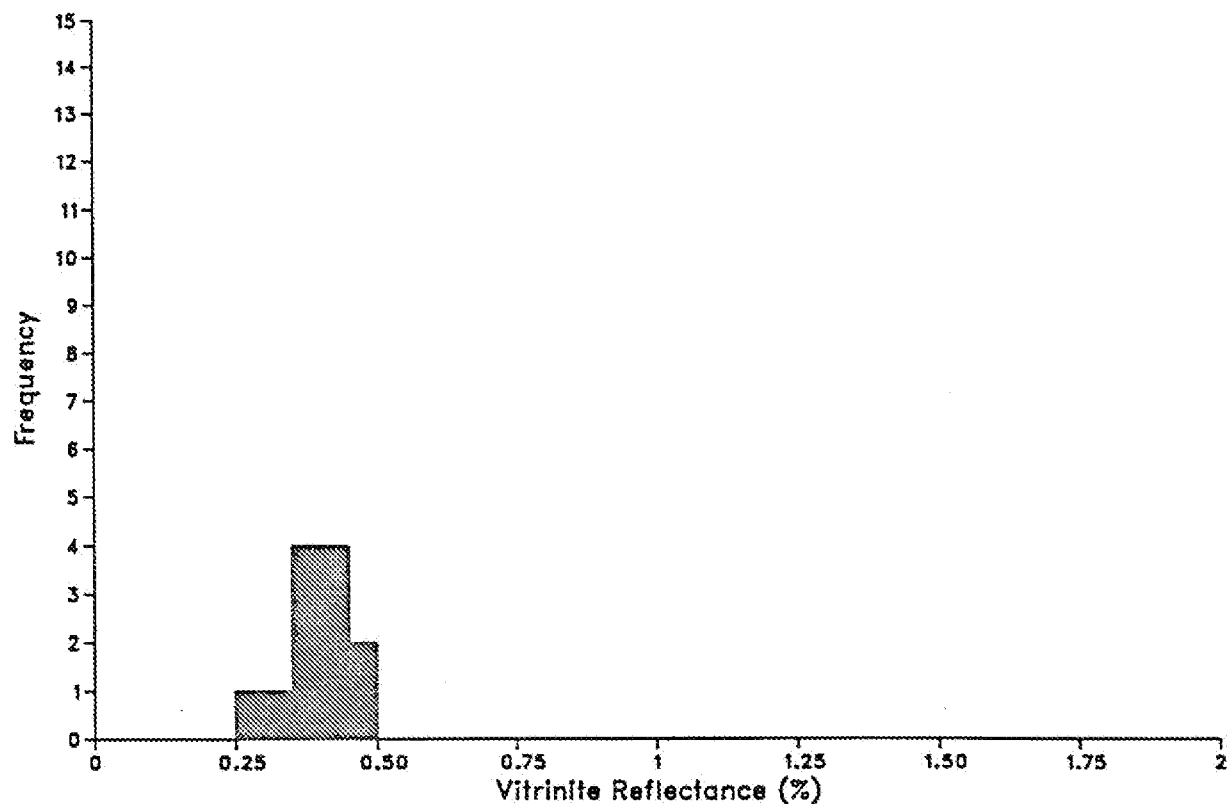


Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.250 to 0.450):	0.35	0.06	20

Readings:									
0.260	0.261	0.290	0.291	0.300	0.310	0.311	0.320	0.329	0.330
0.331	0.350	0.370	0.380	0.410	0.420	0.421	0.430	0.440	0.450

Vitrinite Reflectance Histogram

Well: NOCS 1/5-7
Depth: 1100.00(m)



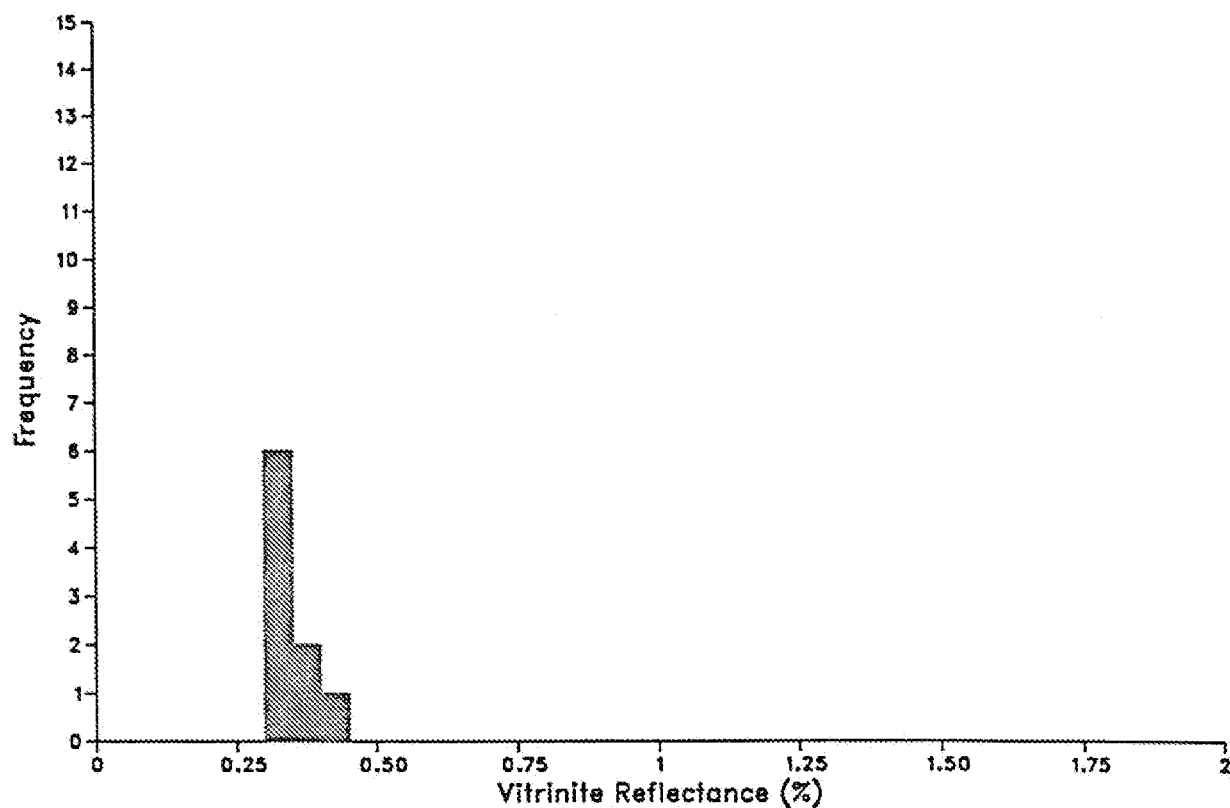
Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.250 to 0.500):	0.40	0.06	12

Readings:

0.270	0.330	0.370	0.371	0.380	0.390	0.420	0.421	0.430	0.440
0.450	0.490								

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 1150.00(m)

**Statistics:**

Mean

St.Dev.

n

Indigenous Population (from 0.300 to 0.400):

0.35

0.04

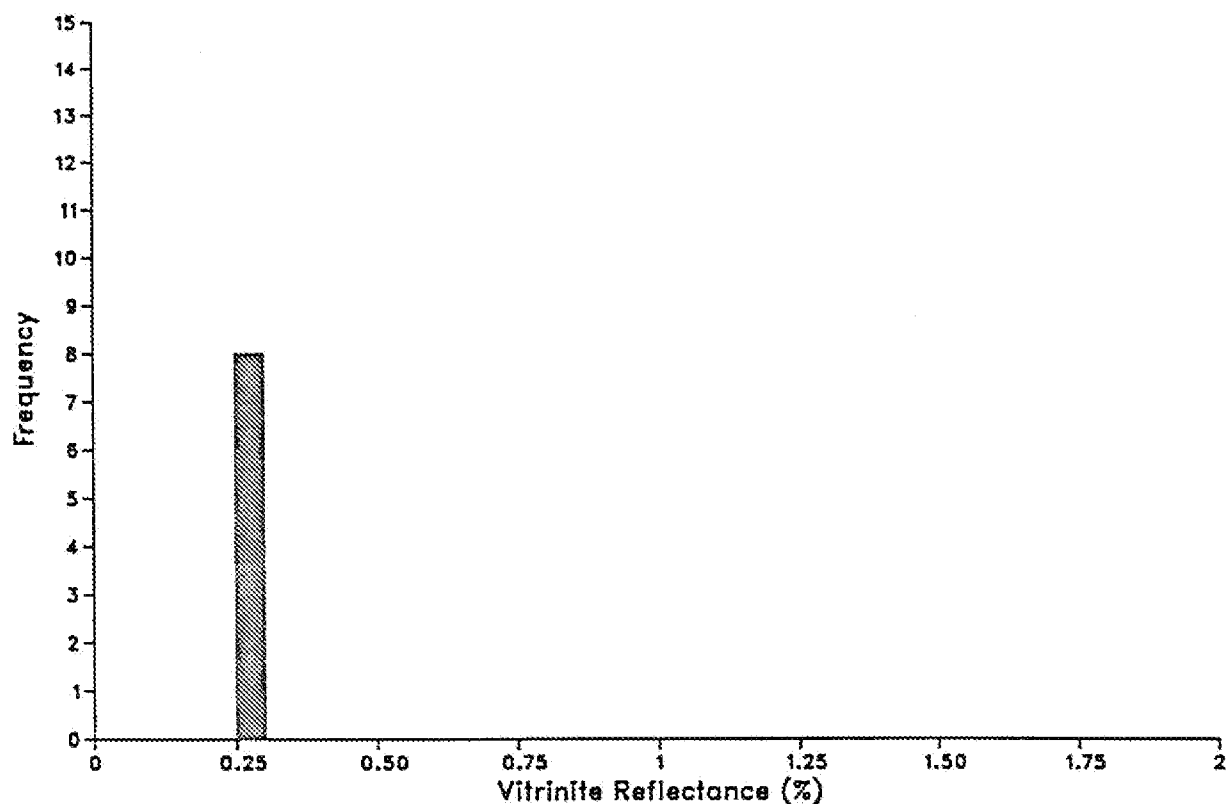
9

Readings:

0.310 0.311 0.320 0.321 0.330 0.340 0.380 0.399 0.400

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 1210.00(m)



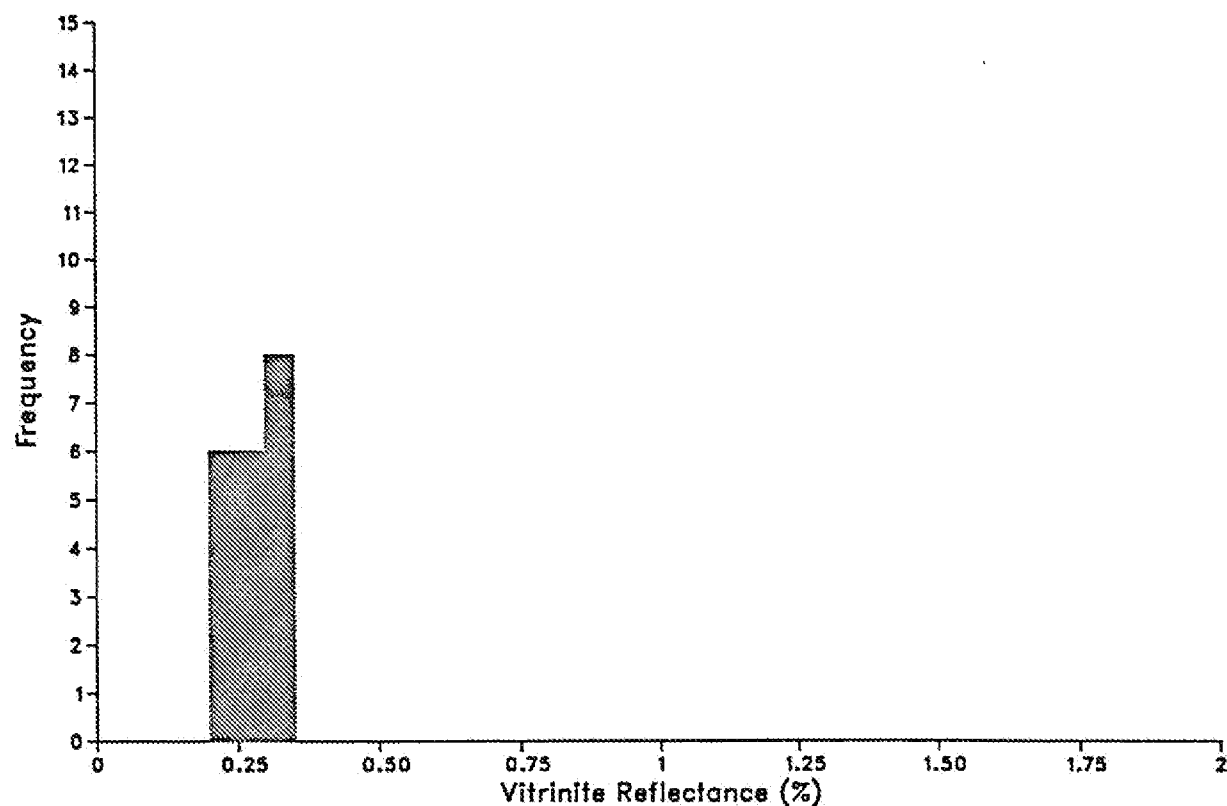
Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.250 to 0.300):	0.28	0.01	8

Readings:

0.250 0.260 0.270 0.280 0.281 0.282 0.290 0.291

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 1300.00(m)



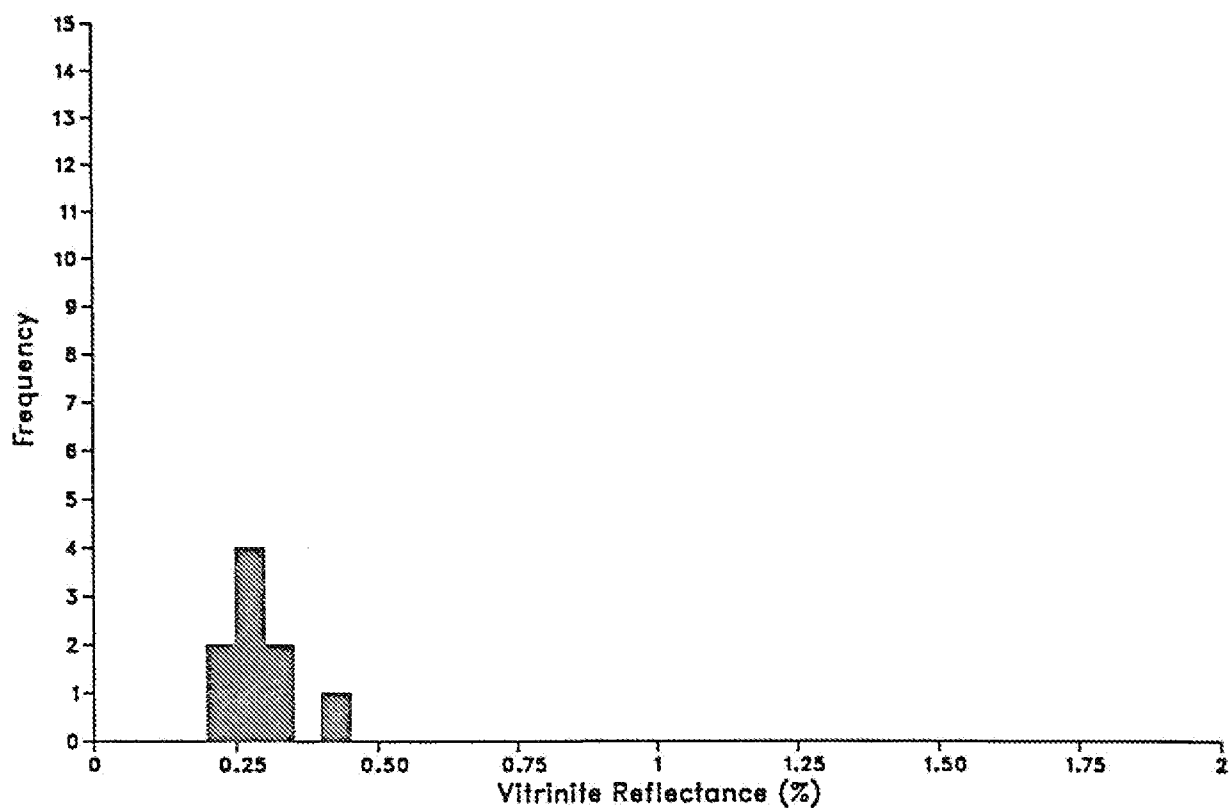
Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.200 to 0.350):	0.27	0.04	20

Readings:

0.200	0.209	0.210	0.211	0.230	0.240	0.250	0.251	0.260	0.270
0.271	0.280	0.308	0.309	0.310	0.311	0.312	0.320	0.321	0.330

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 1350.00(m)

**Statistics:**

Mean

St.Dev.

n

Indigenous Population (from 0.200 to 0.400):

0.28

0.06

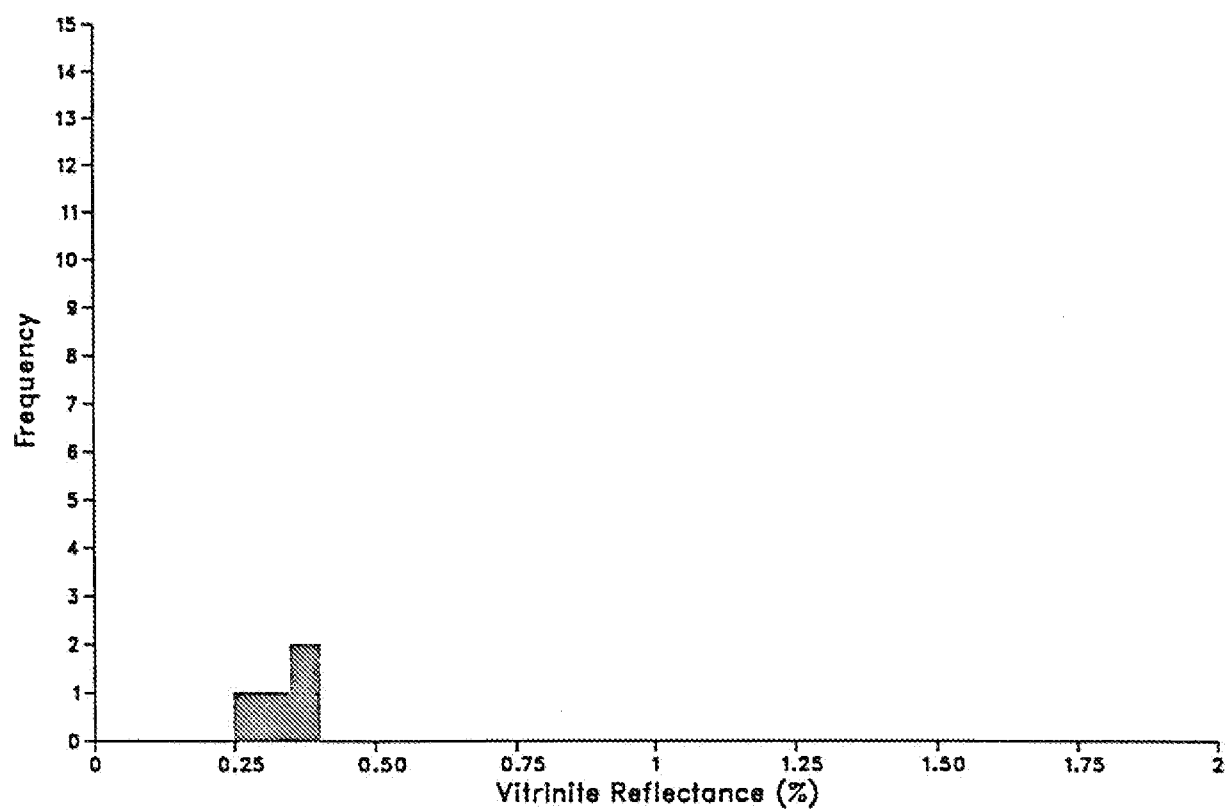
9

Readings:

0.220 0.240 0.250 0.251 0.260 0.270 0.310 0.320 0.400

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 1410.00(m)

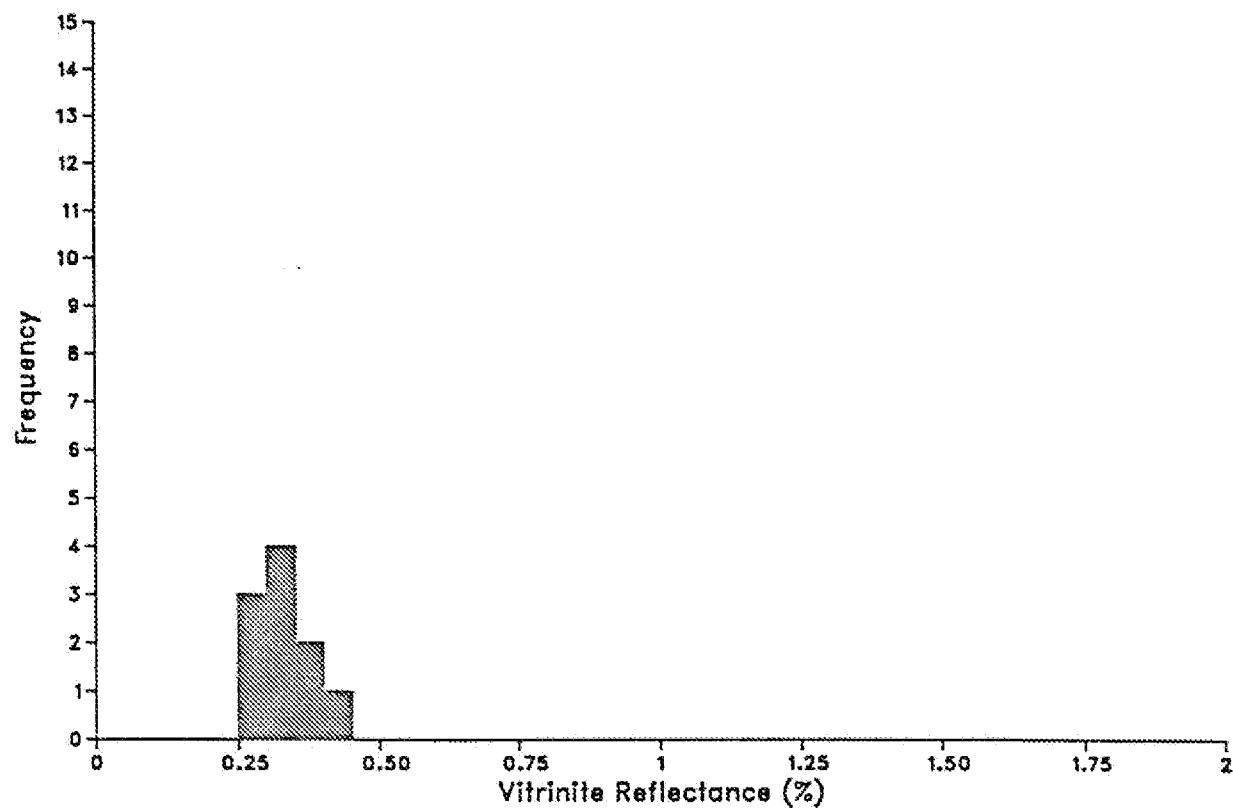


Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.250 to 0.400):	0.33	0.06	4

Readings:
0.260 0.310 0.370 0.380

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 1460.00(m)

**Statistics:**

Mean

St.Dev.

n

Indigenous Population (from 0.250 to 0.400):

0.32

0.04

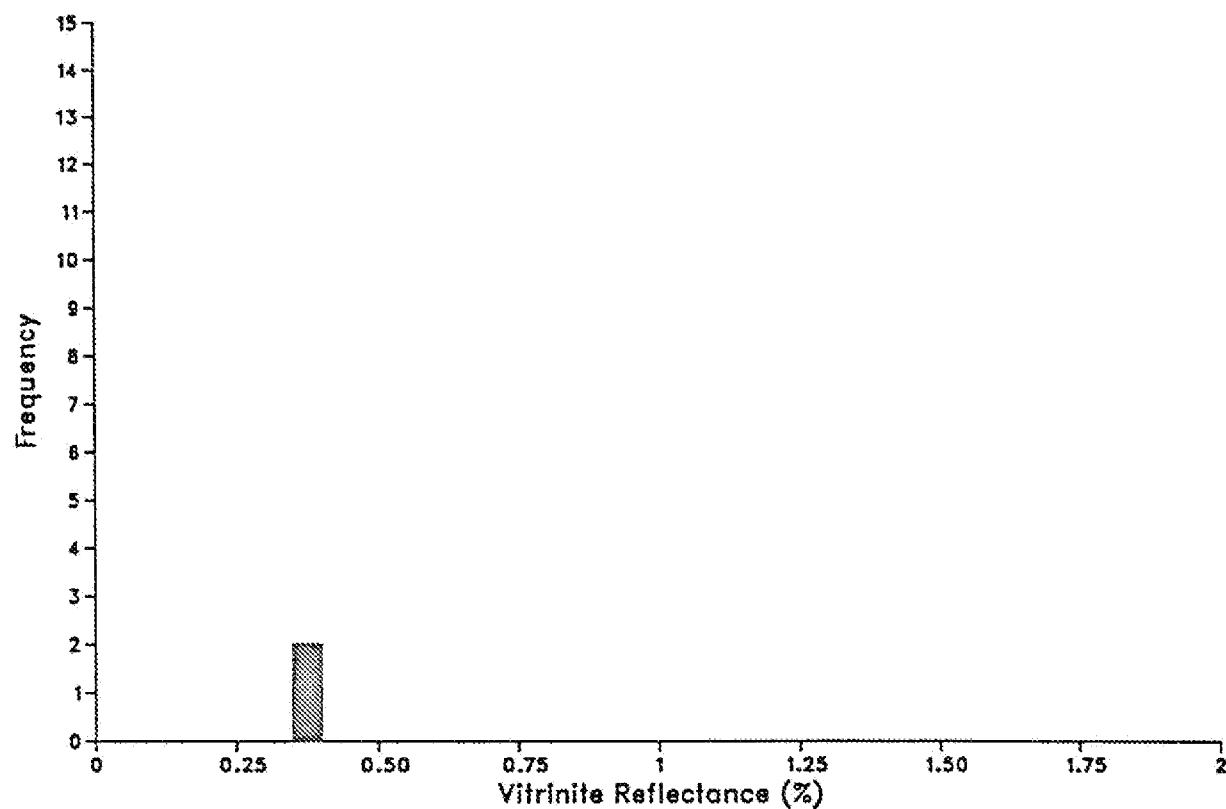
10

Readings:

0.260 0.270 0.280 0.300 0.330 0.331 0.340 0.350 0.360 0.400

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 1500.00(m)

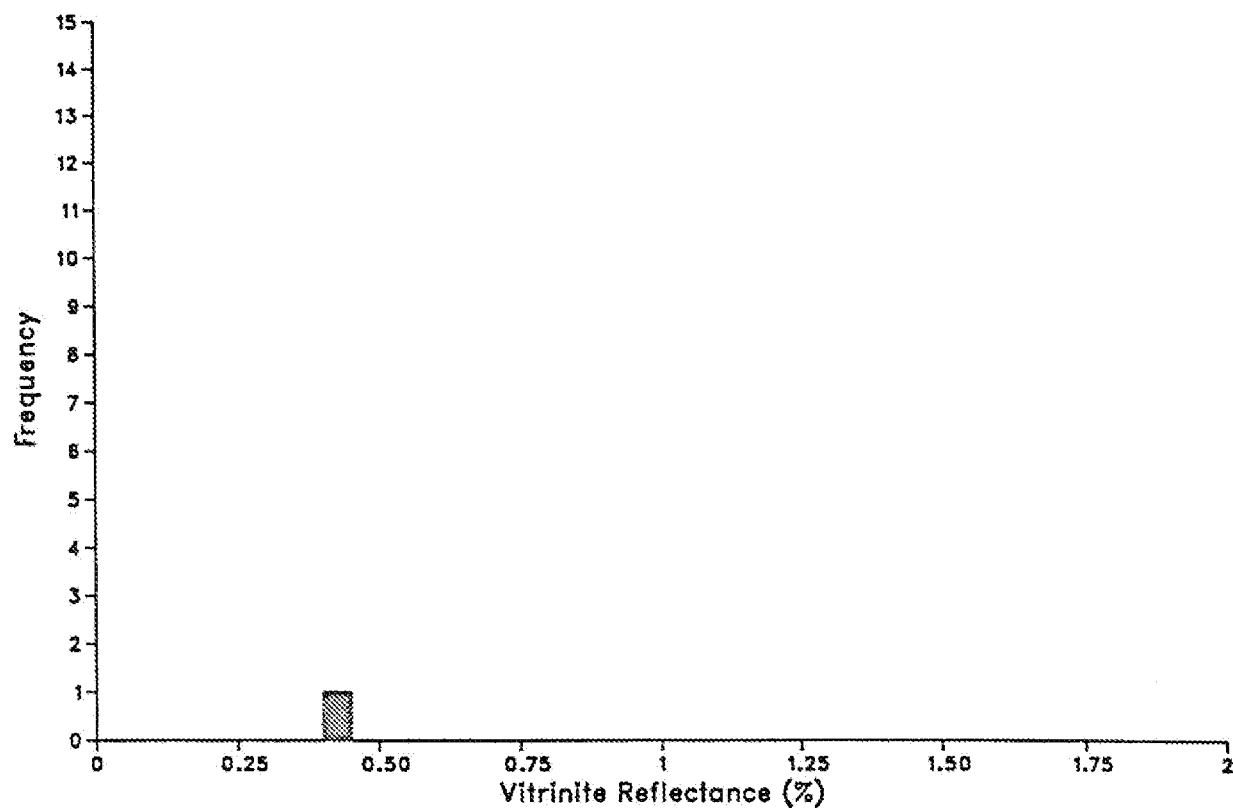


Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.350 to 0.400):	0.38	0.00	2

Readings:
0.380 0.381

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 1550.00(m)



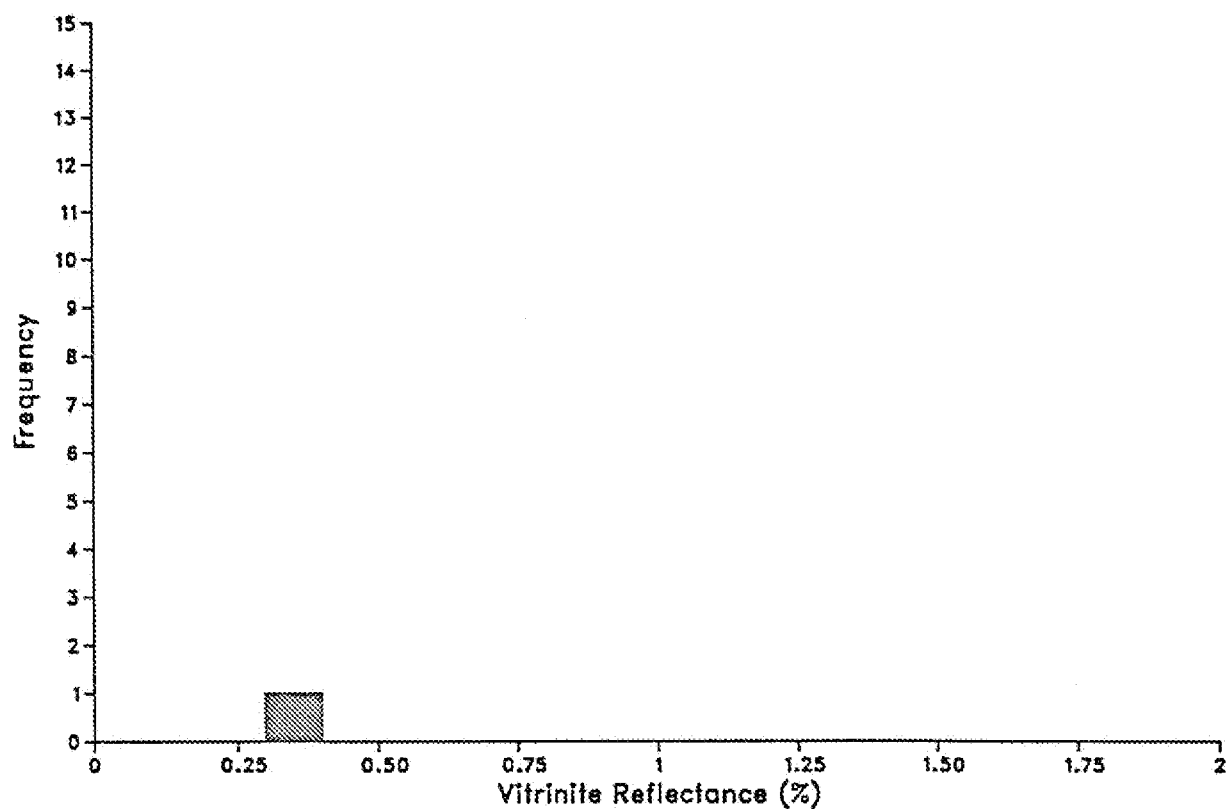
Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.400 to 0.450):	0.42	0.00	1

Readings:

0.420

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 1600.00(m)

**Statistics:**

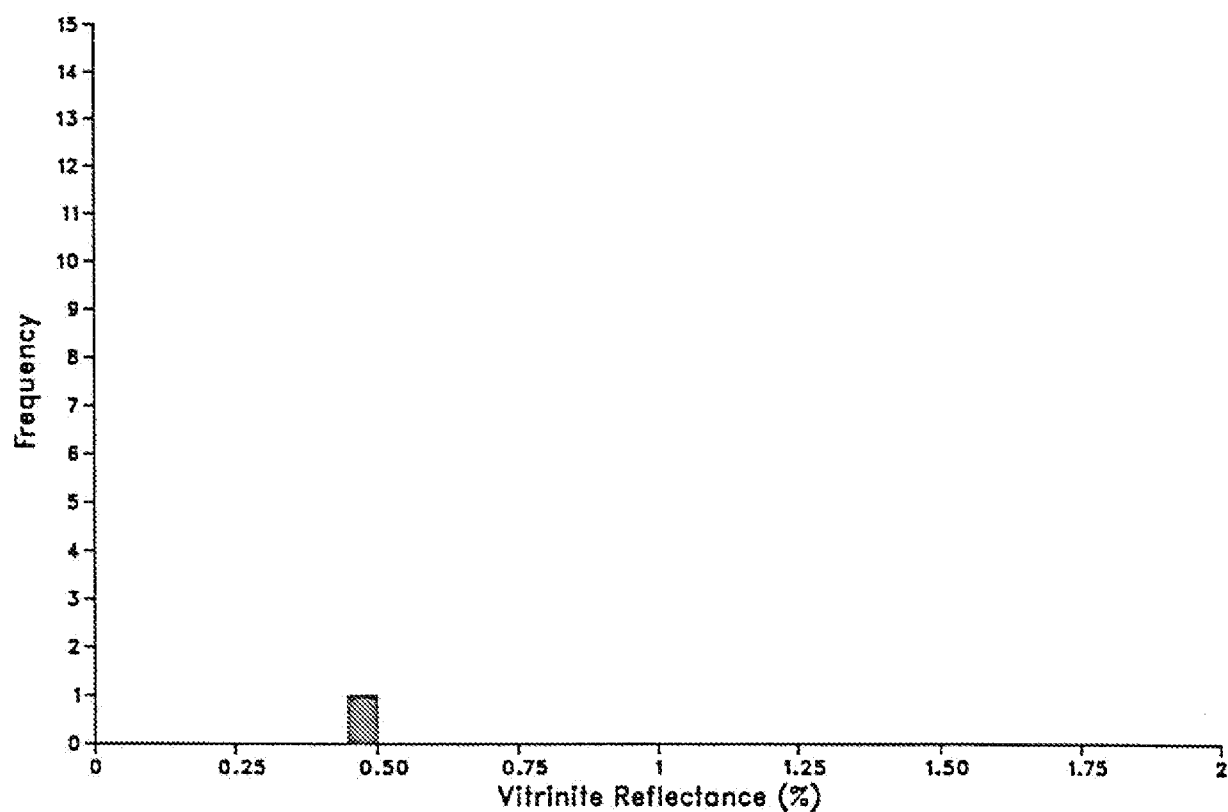
	Mean	St.Dev.	n
Indigenous Population (from 0.300 to 0.400):	0.35	0.06	2

Readings:

0.300 0.390

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 1650.00(m)

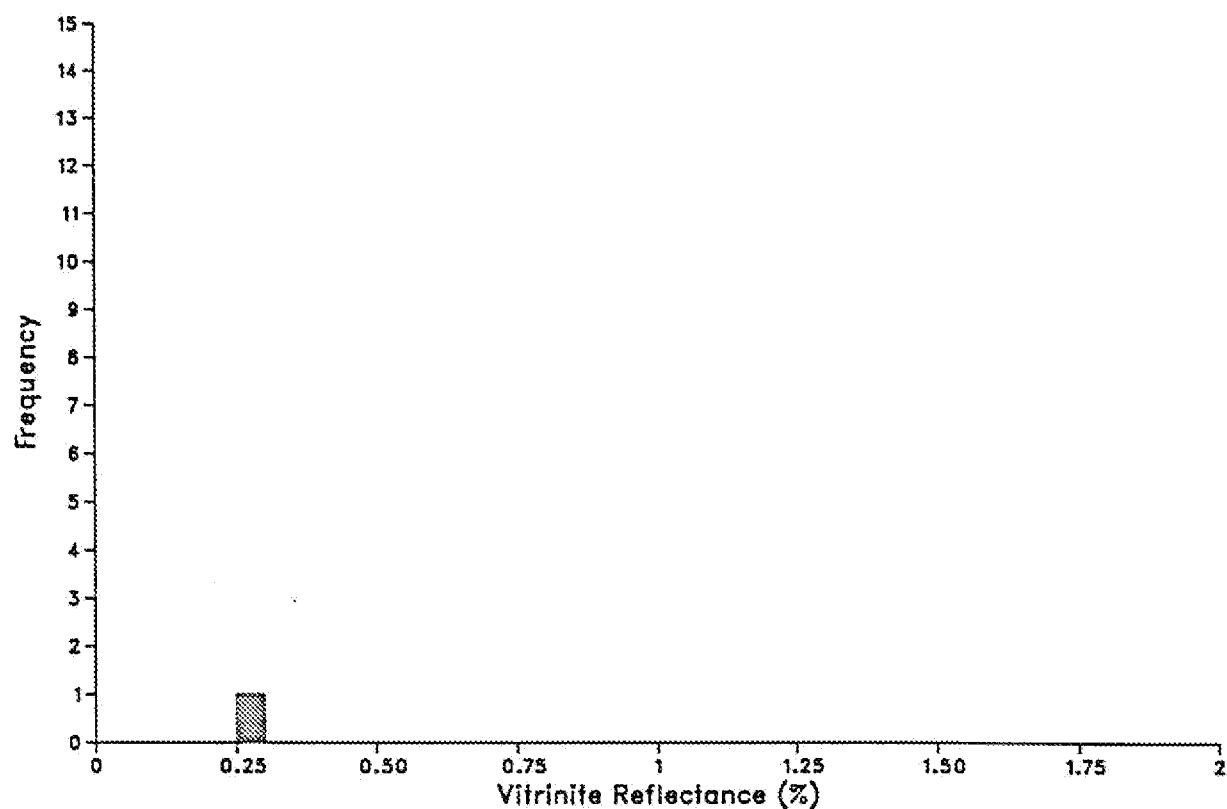


Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.450 to 0.500):	0.46	0.00	1

Readings:
0.460

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 1700.00(m)



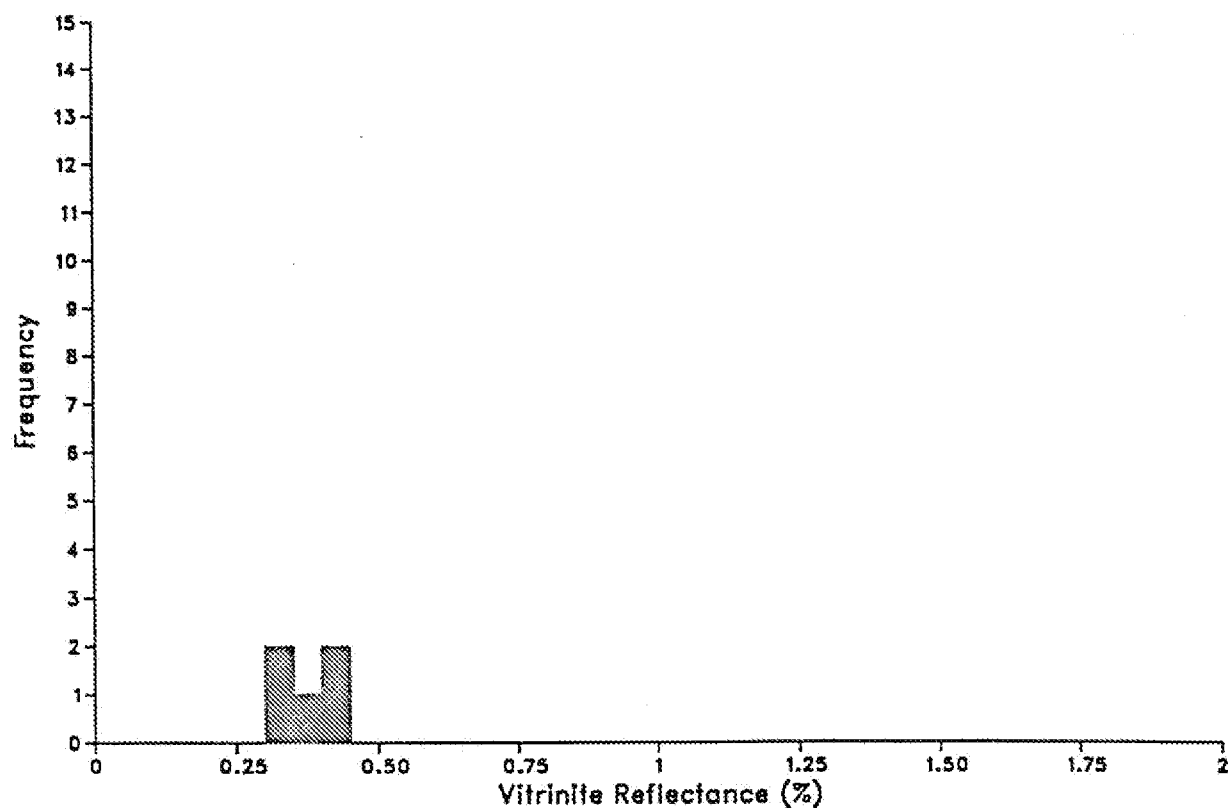
Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.250 to 0.300):	0.29	0.00	1

Readings:

0.290

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 1750.00(m)

**Statistics:**

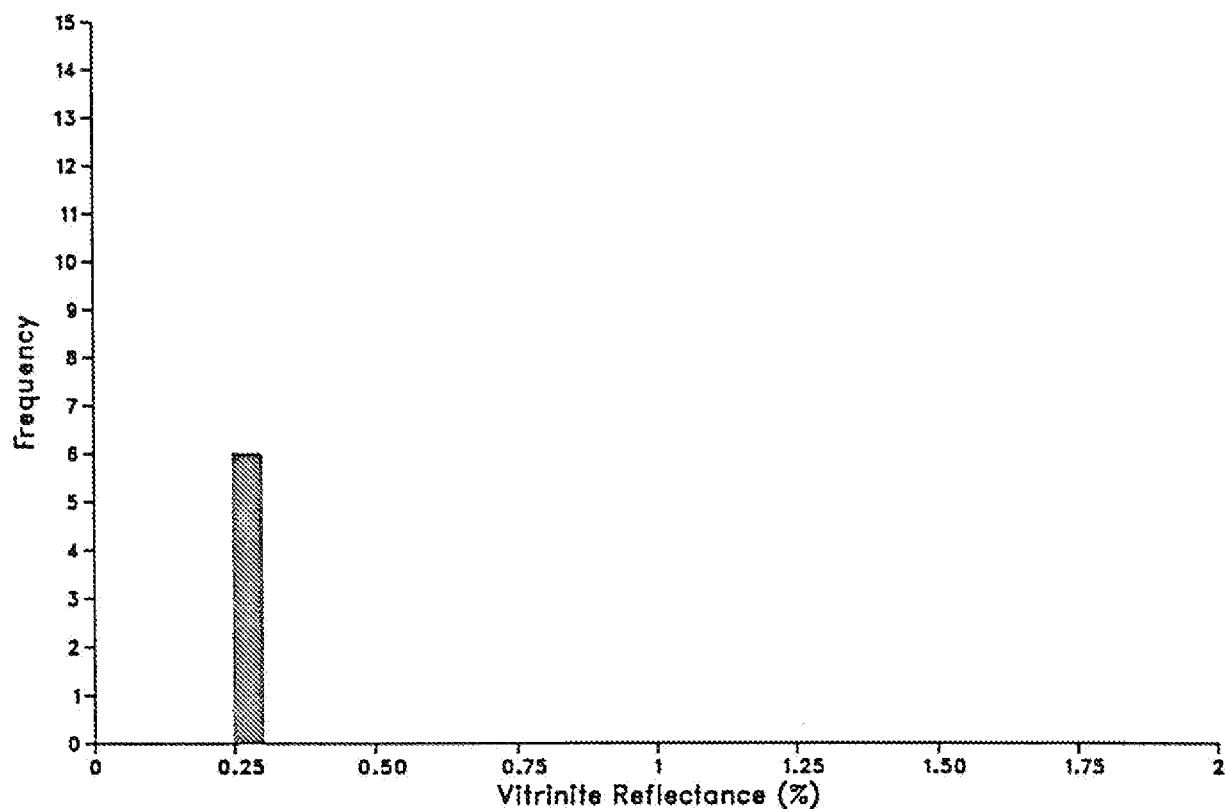
	Mean	St.Dev.	n
Indigenous Population (from 0.300 to 0.450):	0.36	0.04	5

Readings:

0.310 0.330 0.350 0.400 0.401

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 1800.00(m)



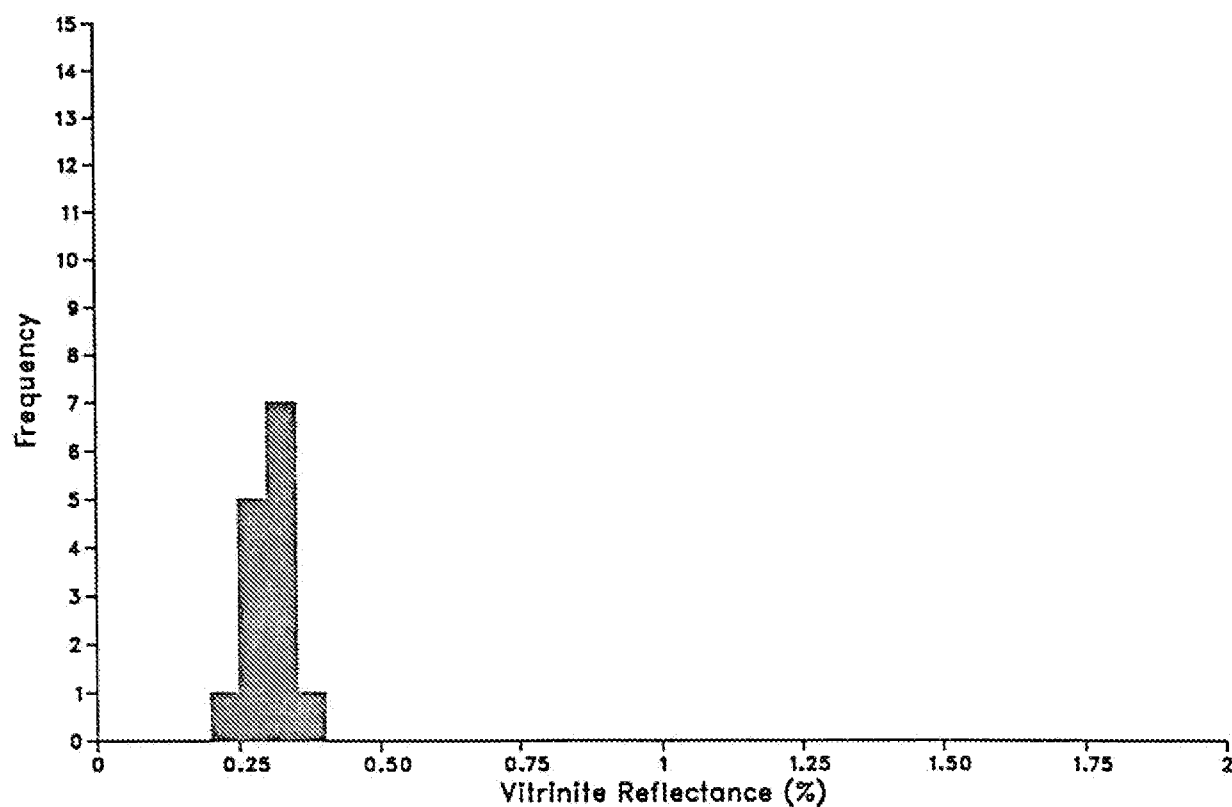
Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.250 to 0.300):	0.28	0.02	6

Readings:

0.250 0.270 0.271 0.280 0.290 0.291

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 1850.00(m)

**Statistics:**

Mean

St.Dev.

n

Indigenous Population (from 0.200 to 0.400):

0.30

0.04

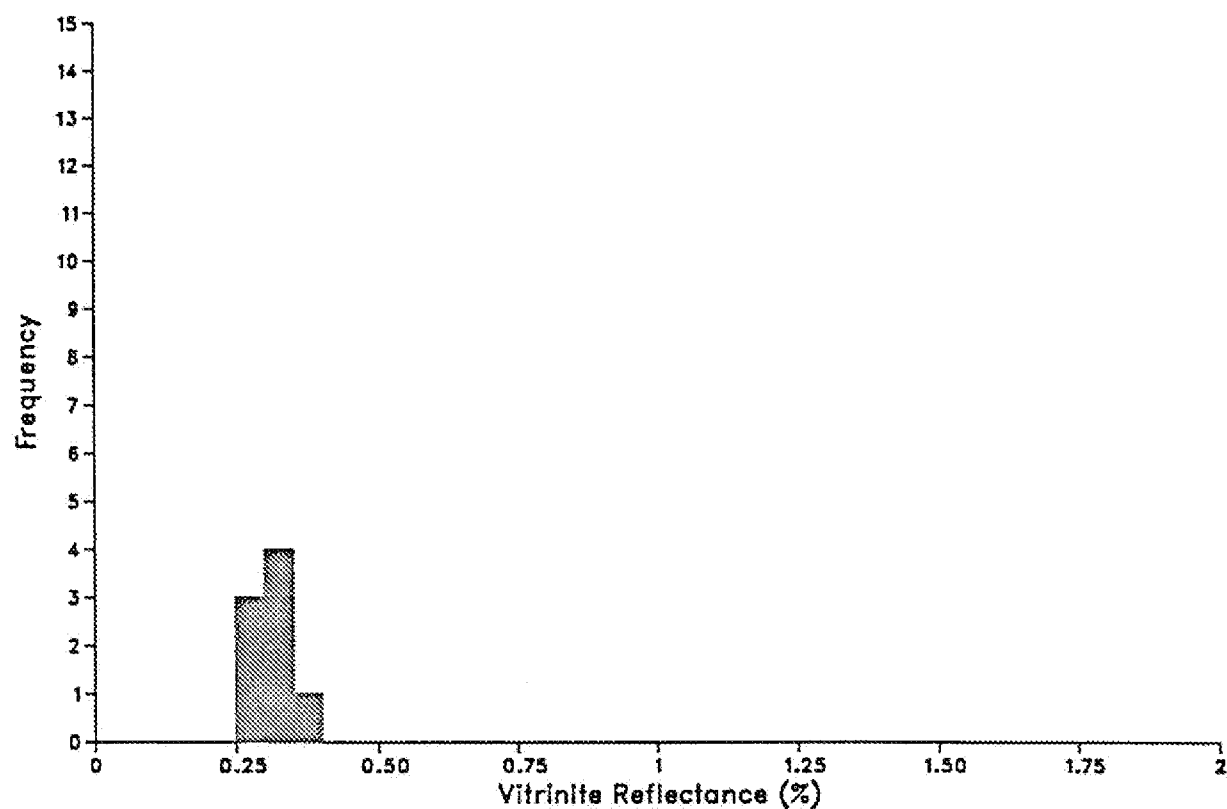
14

Readings:

0.240	0.260	0.261	0.270	0.280	0.290	0.310	0.320	0.329	0.330
0.331	0.332	0.340	0.360						

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 1900.00(m)



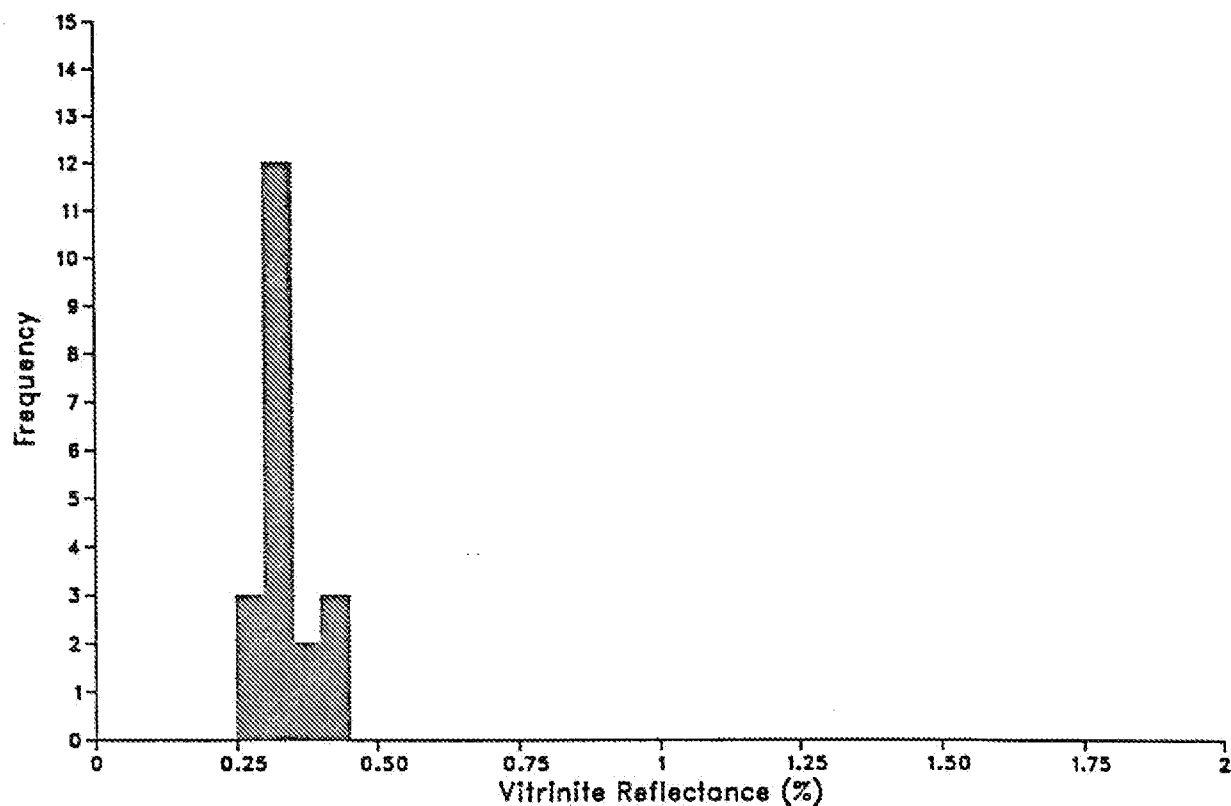
Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.250 to 0.350):	0.31	0.04	8

Readings:

0.260	0.261	0.290	0.310	0.330	0.340	0.341	0.350
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Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 1950.00(m)

**Statistics:**

Mean

St.Dev.

n

Indigenous Population (from 0.250 to 0.450):

0.33

0.04

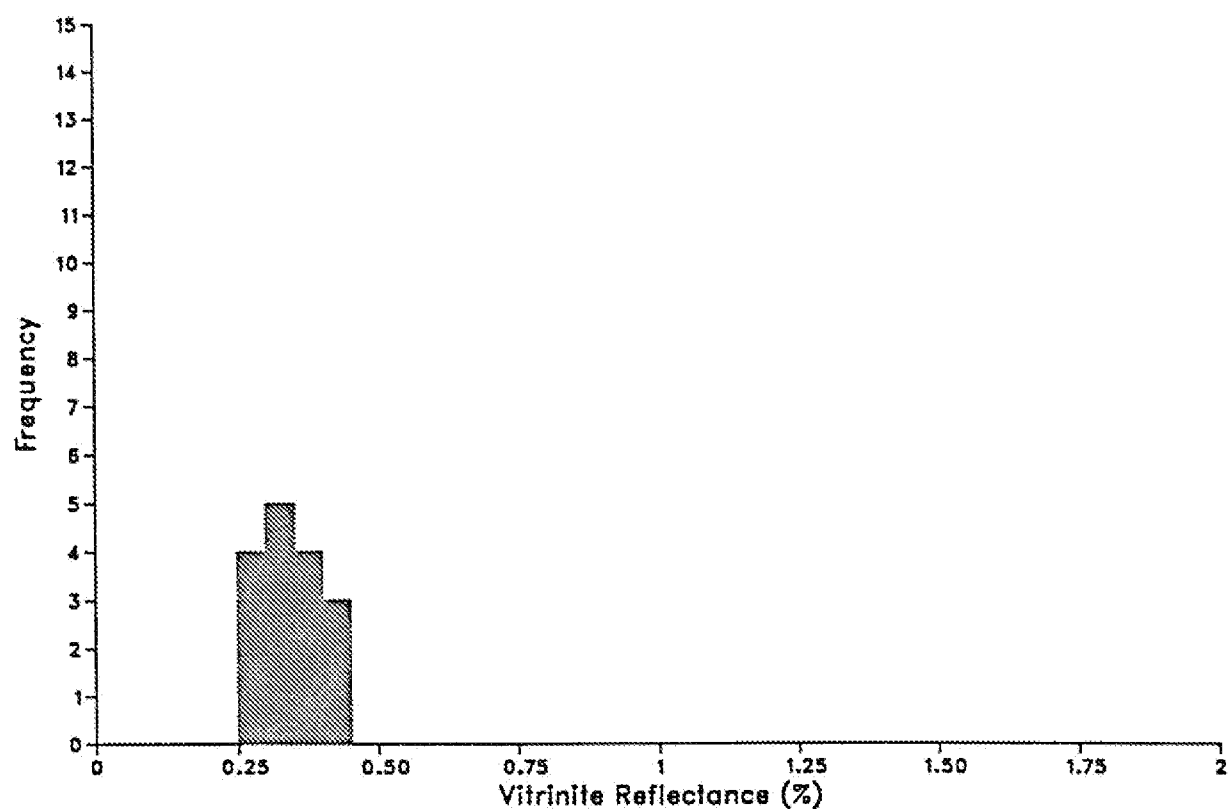
20

Readings:

0.270	0.271	0.290	0.300	0.301	0.308	0.309	0.310	0.311	0.312
0.320	0.330	0.331	0.340	0.341	0.350	0.351	0.410	0.411	0.430

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 2050.00(m)



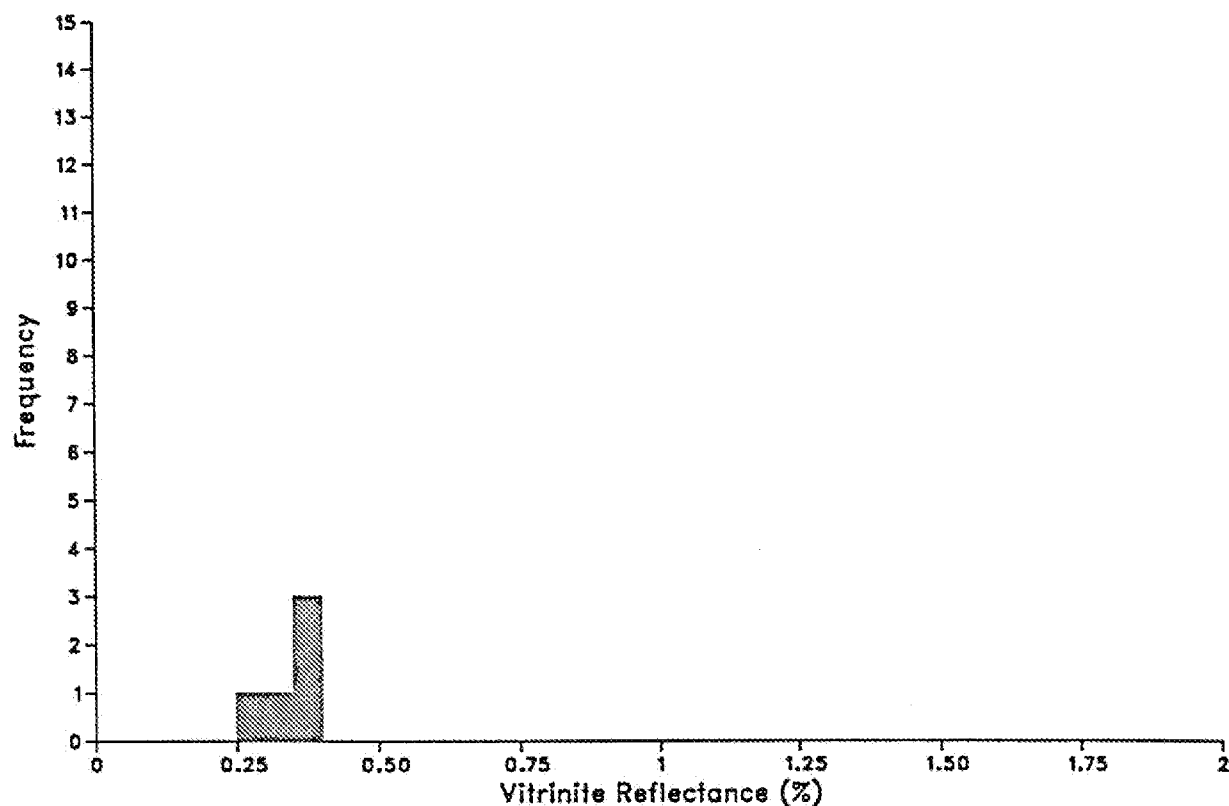
Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.250 to 0.450):	0.34	0.05	16

Readings:

0.270	0.280	0.281	0.290	0.300	0.310	0.311	0.330	0.340	0.350
0.351	0.380	0.381	0.400	0.420	0.430				

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 2100.00(m)

**Statistics:**

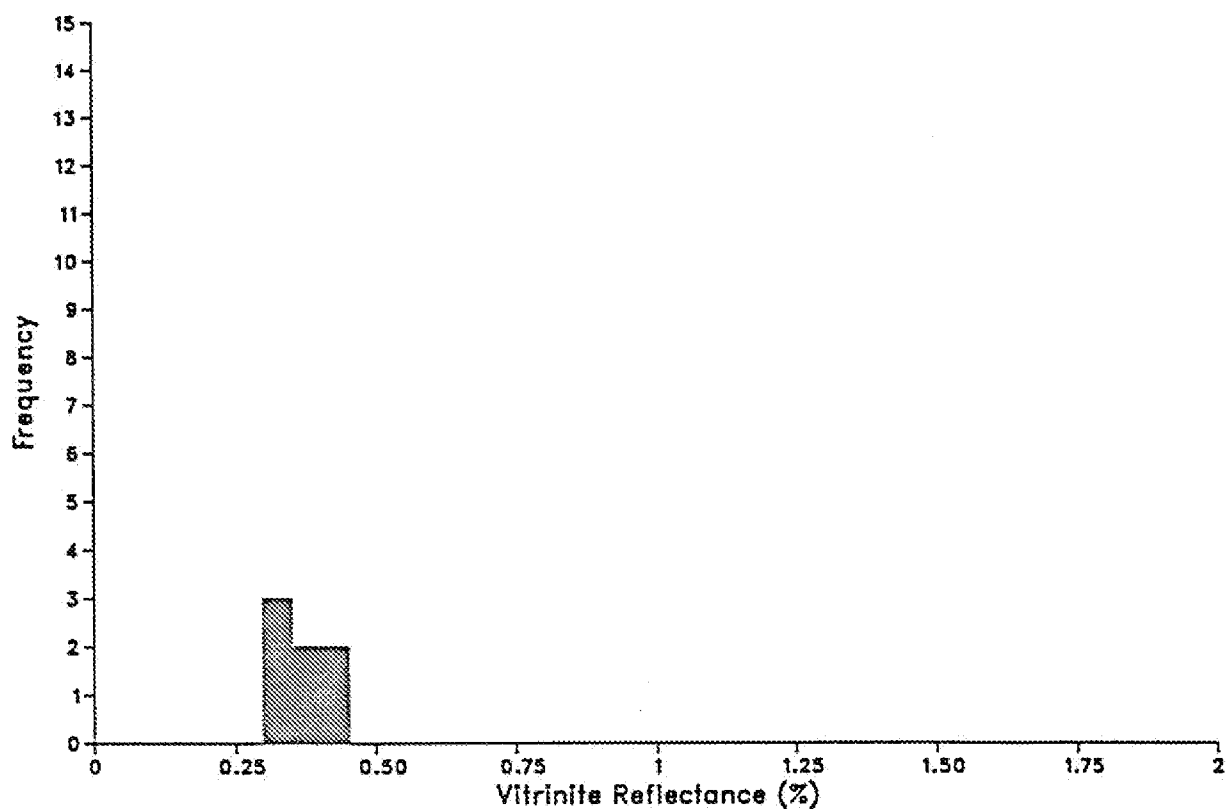
	Mean	St.Dev.	n
Indigenous Population (from 0.250 to 0.400):	0.33	0.04	5

Readings:

0.270 0.320 0.350 0.360 0.361

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 2150.00(m)



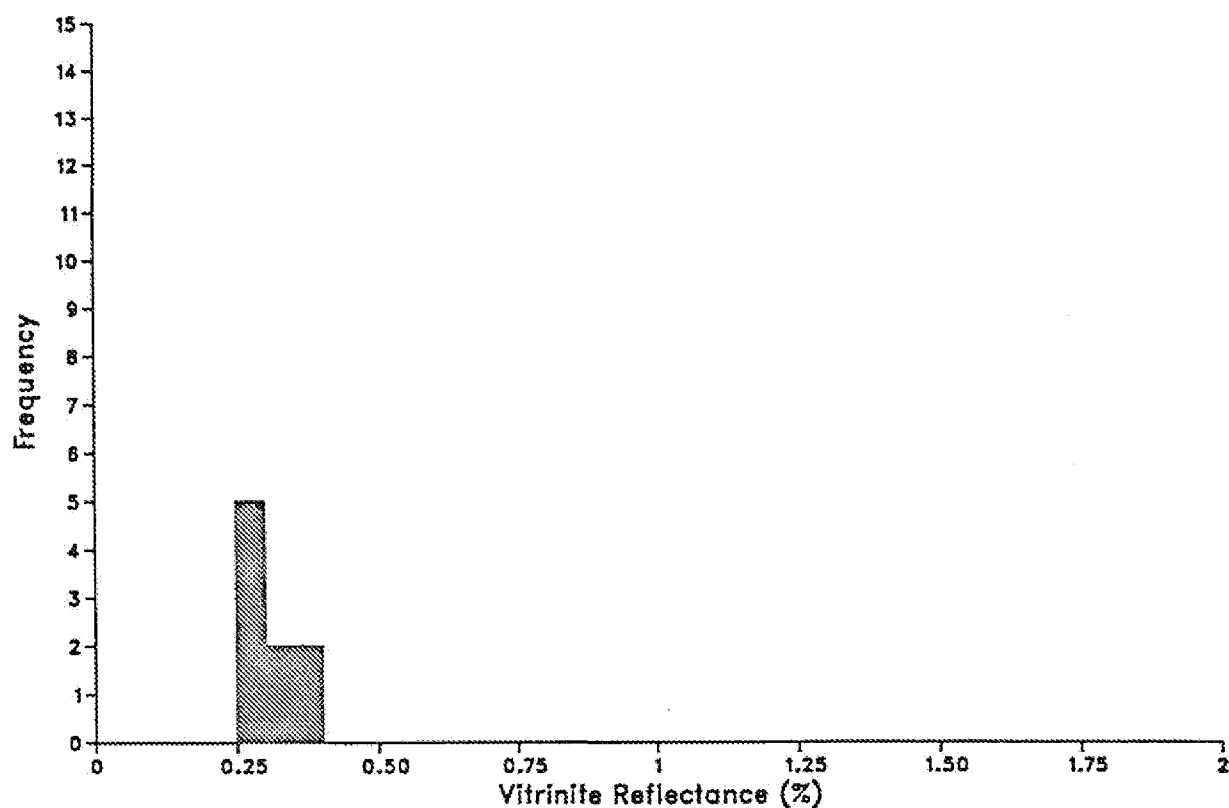
Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.300 to 0.450):	0.36	0.05	7

Readings:

0.300 0.310 0.320 0.350 0.390 0.400 0.420

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 2200.00(m)

**Statistics:**

Mean

St.Dev.

n

Indigenous Population (from 0.250 to 0.400):

0.30

0.04

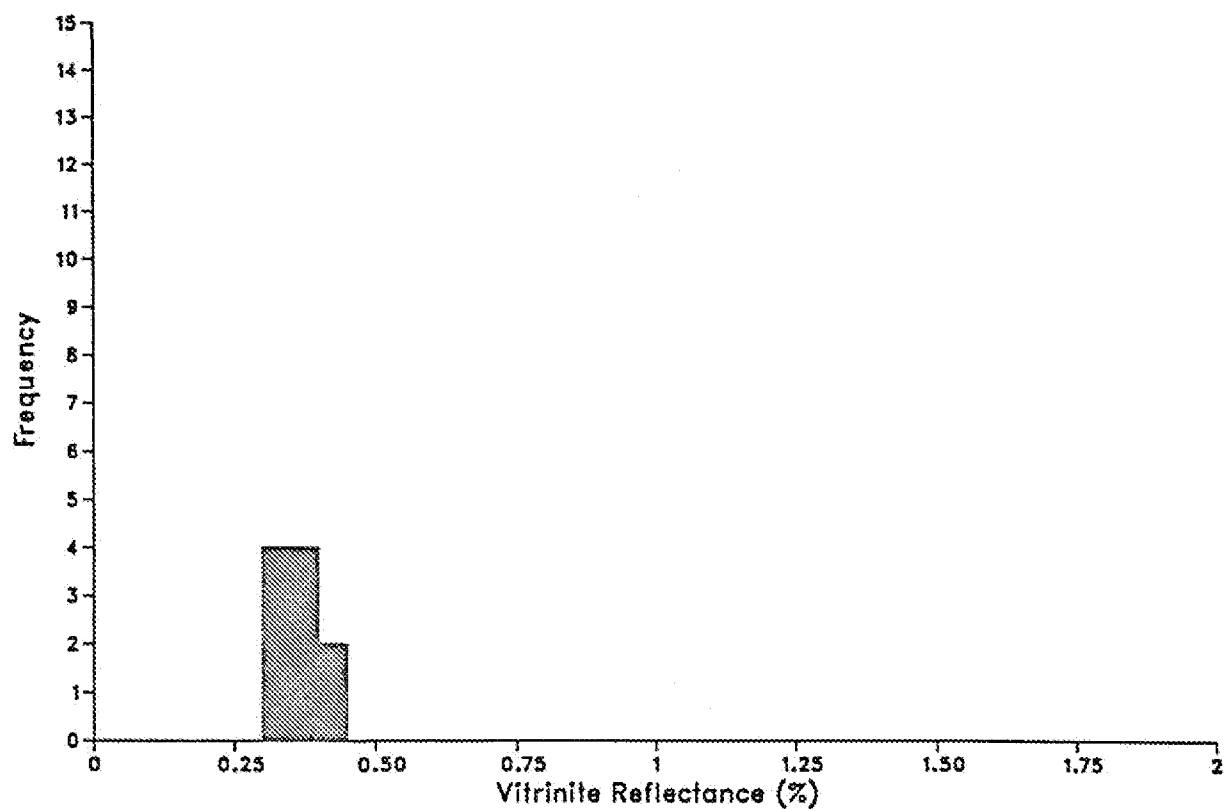
9

Readings:

0.260 0.270 0.271 0.280 0.290 0.300 0.330 0.360 0.380

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 2250.00(m)



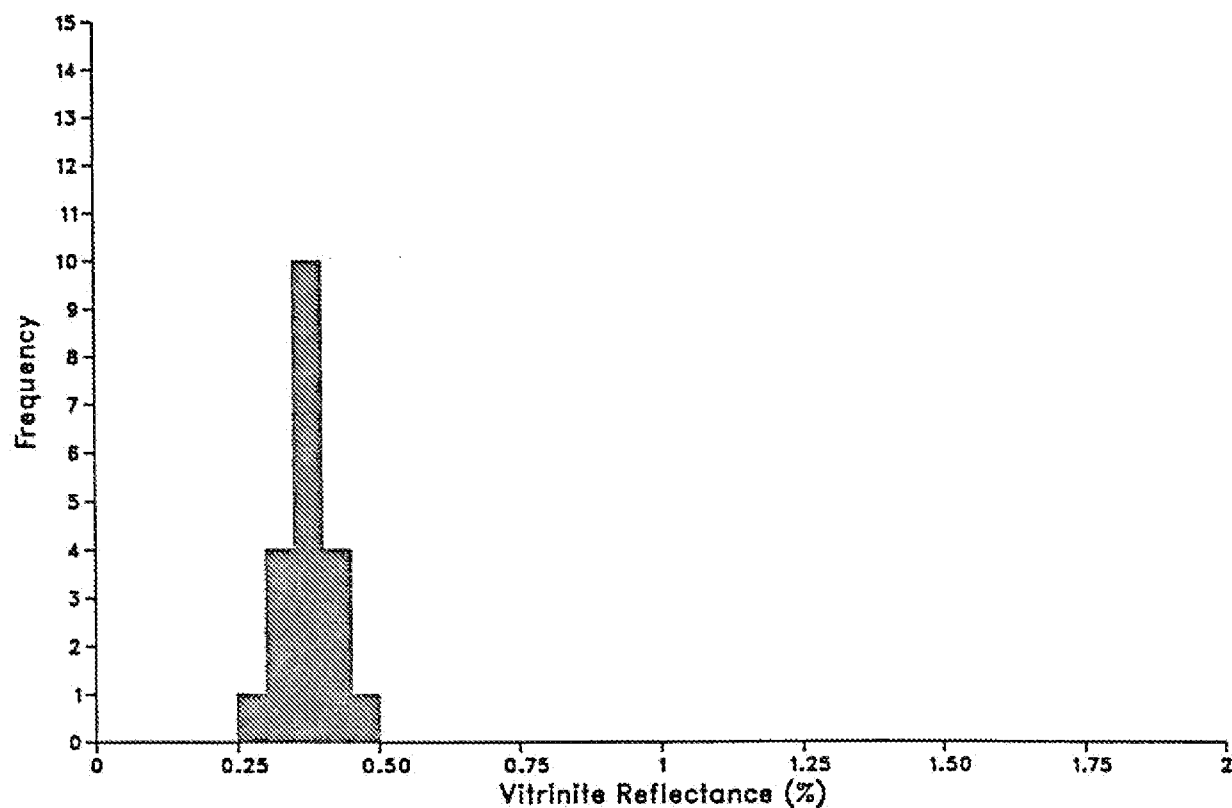
Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.300 to 0.450):	0.36	0.04	10

Readings:

0.310 0.330 0.340 0.341 0.359 0.360 0.361 0.380 0.410 0.430

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 2310.00(m)

**Statistics:**

Mean

St.Dev.

n

Indigenous Population (from 0.250 to 0.500):

0.37

0.04

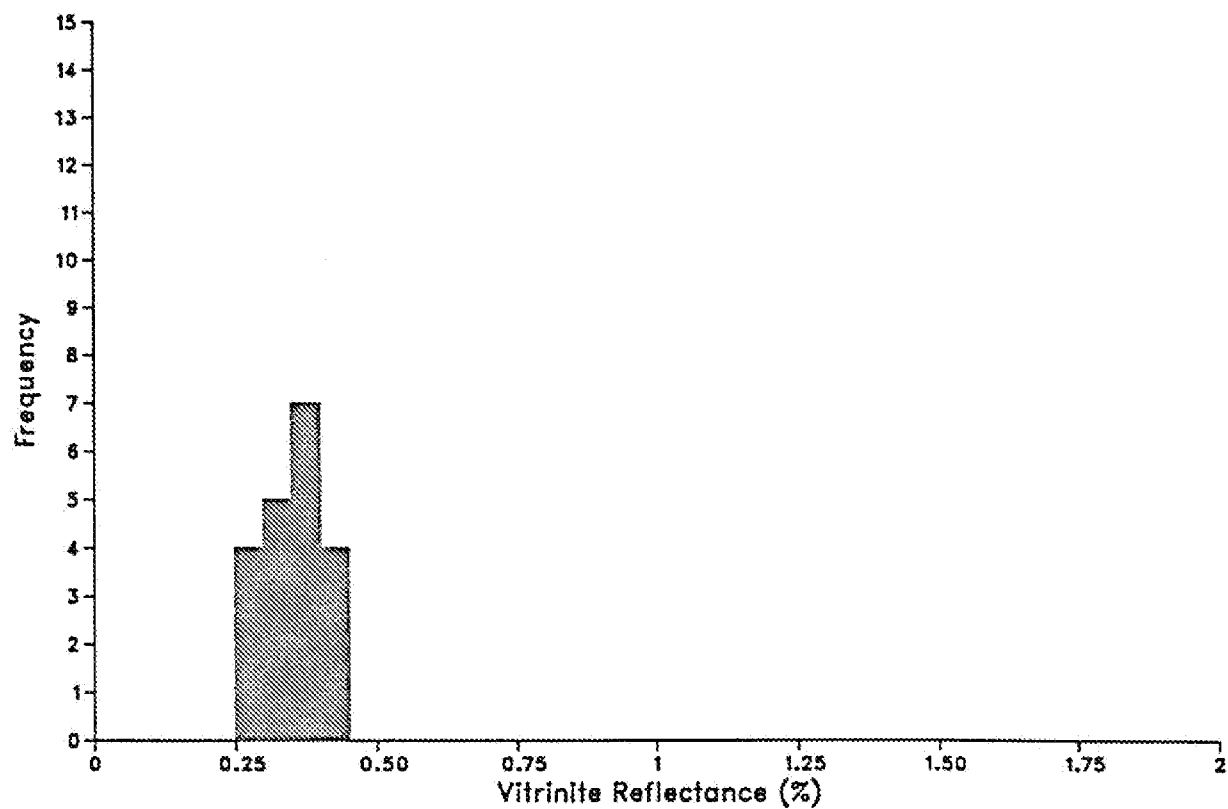
20

Readings:

0.270	0.320	0.330	0.340	0.341	0.350	0.351	0.360	0.361	0.369
0.370	0.371	0.379	0.380	0.381	0.400	0.401	0.420	0.430	0.460

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 2350.00(m)

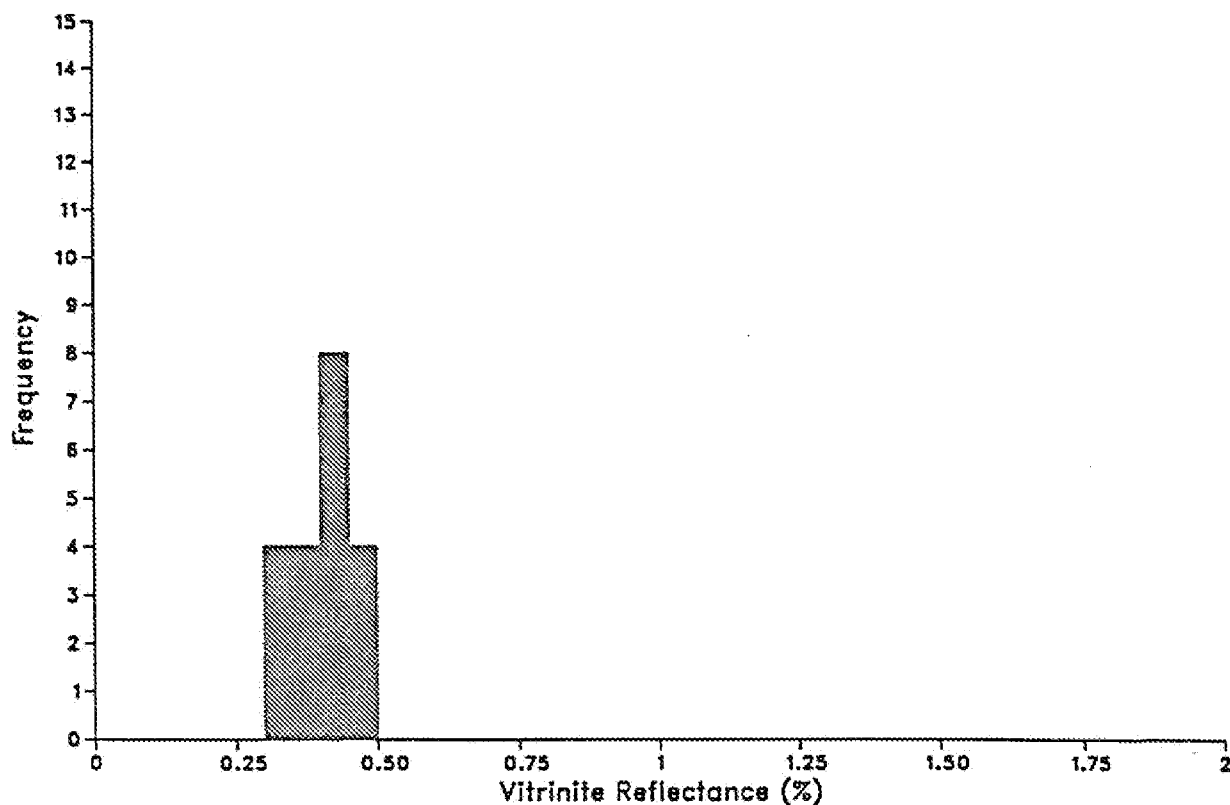


Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.250 to 0.450):	0.35	0.05	20

Readings:									
0.270	0.280	0.290	0.291	0.300	0.309	0.310	0.311	0.340	0.360
0.370	0.380	0.389	0.390	0.391	0.399	0.400	0.401	0.420	0.430

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 2400.00(m)

**Statistics:**

Mean

St.Dev.

n

Indigenous Population (from 0.300 to 0.500):

0.41

0.05

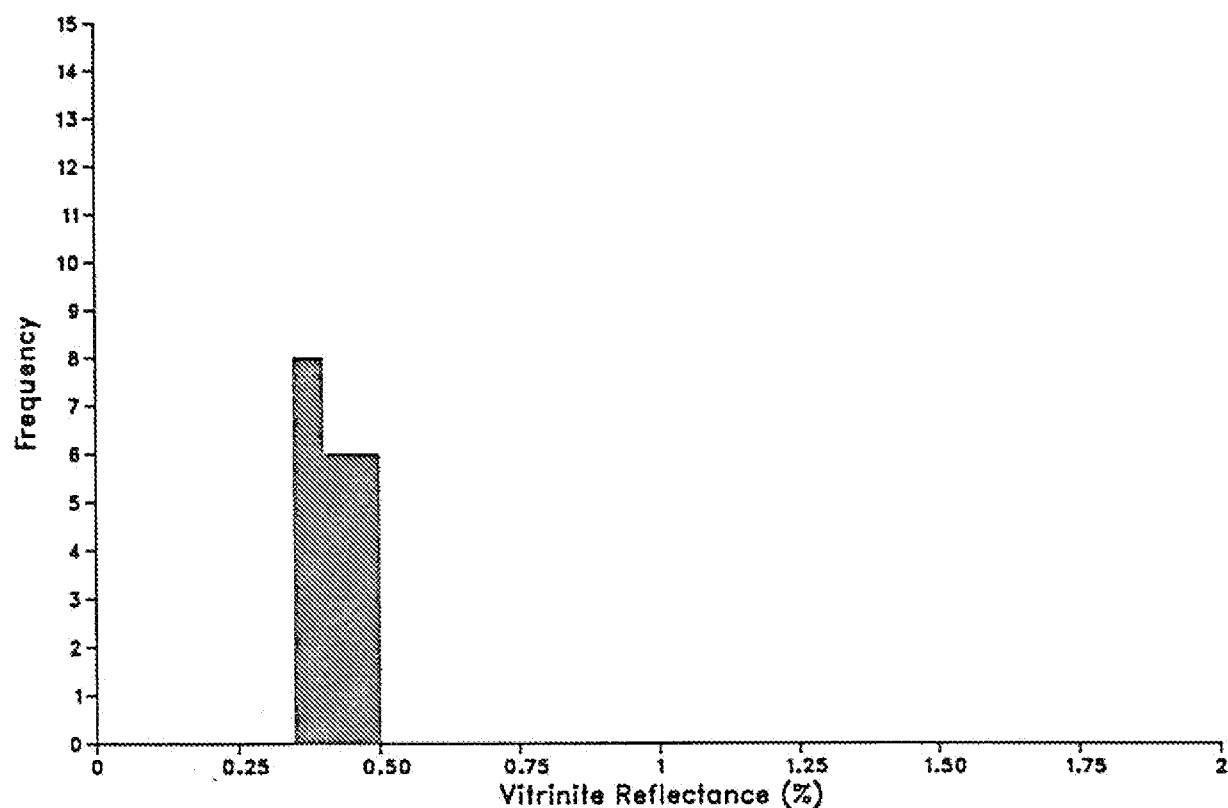
20

Readings:

0.320	0.321	0.330	0.340	0.360	0.389	0.390	0.391	0.410	0.420
0.429	0.430	0.431	0.440	0.441	0.449	0.450	0.451	0.460	0.470

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 2450.00(m)



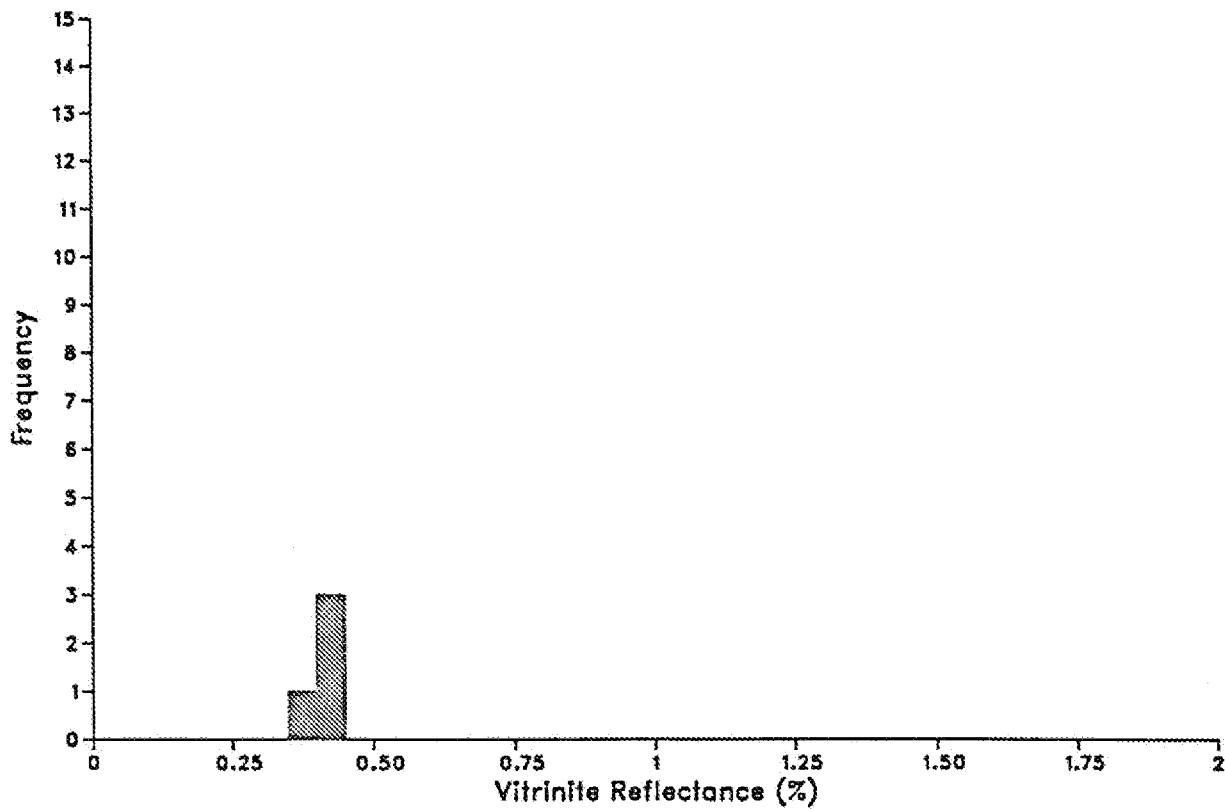
Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.350 to 0.500):	0.42	0.04	20

Readings:

0.370	0.380	0.388	0.389	0.390	0.391	0.392	0.393	0.400	0.401
0.410	0.411	0.420	0.430	0.450	0.460	0.470	0.480	0.481	0.490

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 2500.00(m)

**Statistics:**

Mean

St.Dev.

n

Indigenous Population (from 0.350 to 0.450):

0.41

0.01

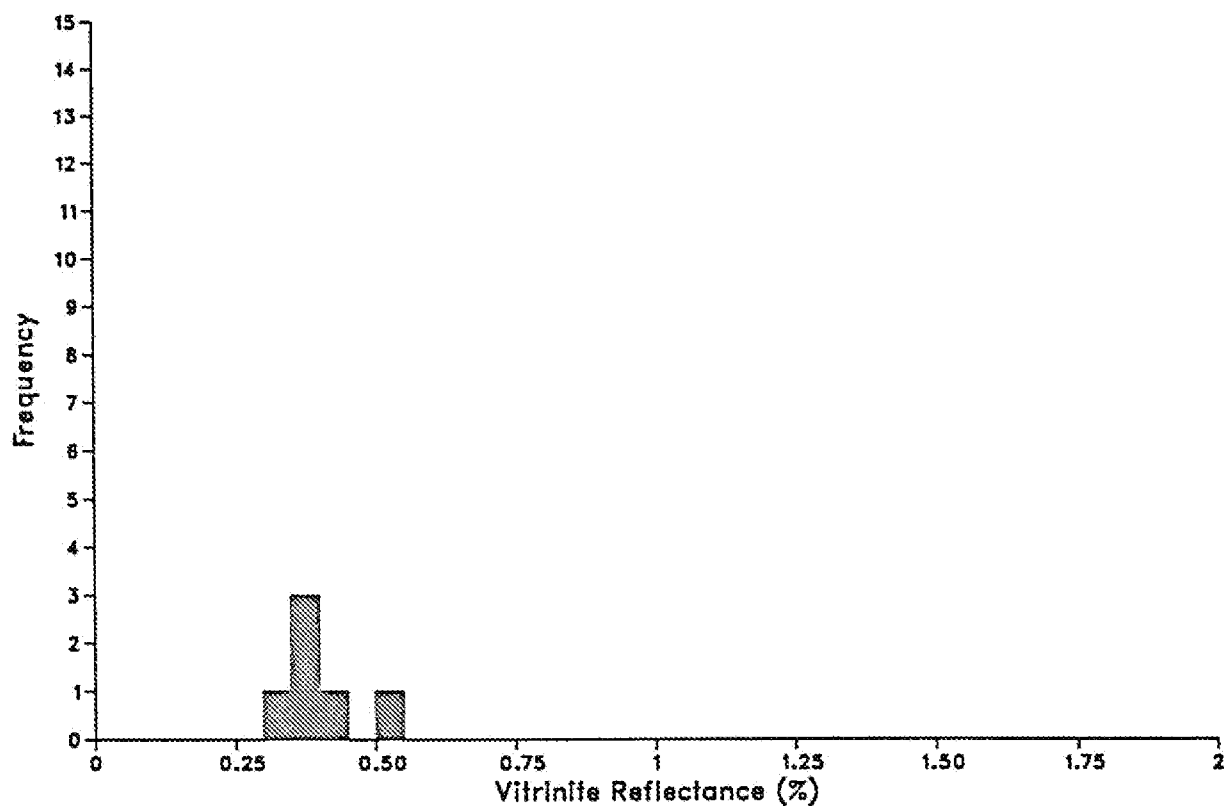
4

Readings:

0.390 0.410 0.420 0.421

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 2550.00(m)

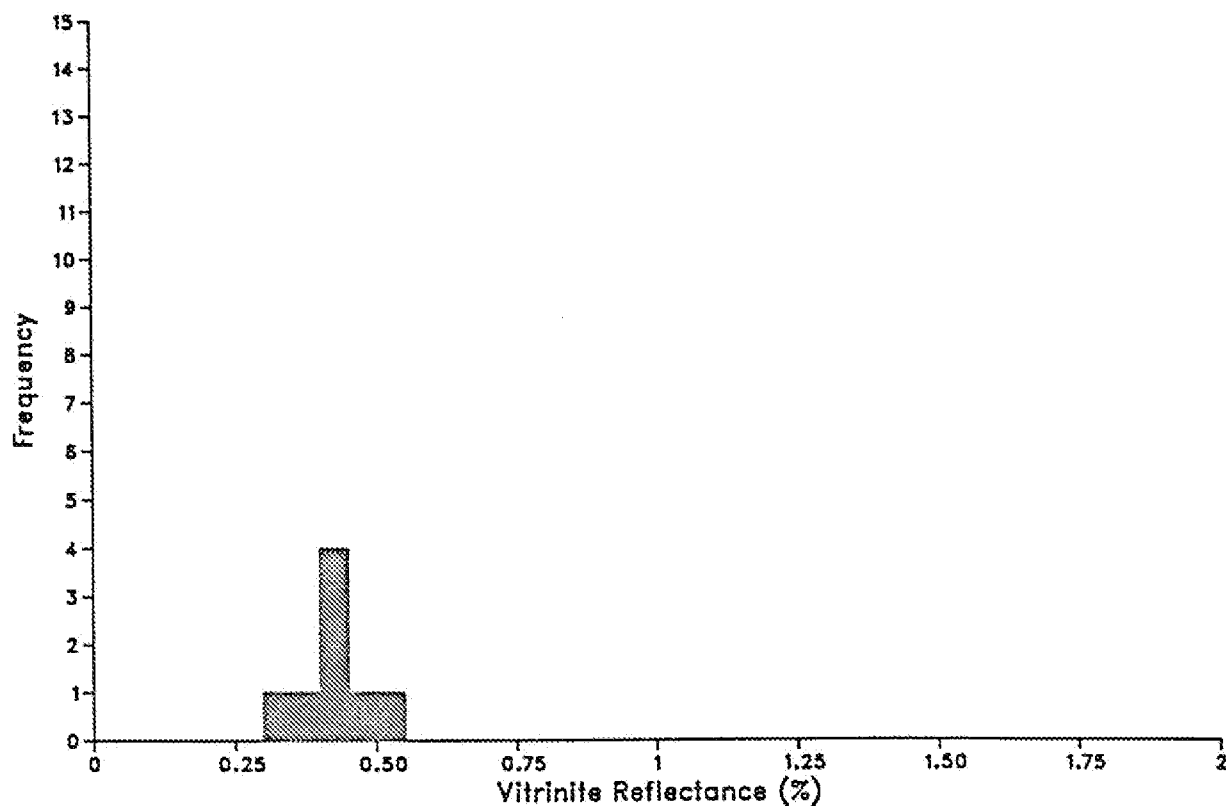


Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.300 to 0.550):	0.39	0.07	6

Readings:
0.340 0.350 0.351 0.370 0.410 0.530

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 2600.00(m)

**Statistics:**

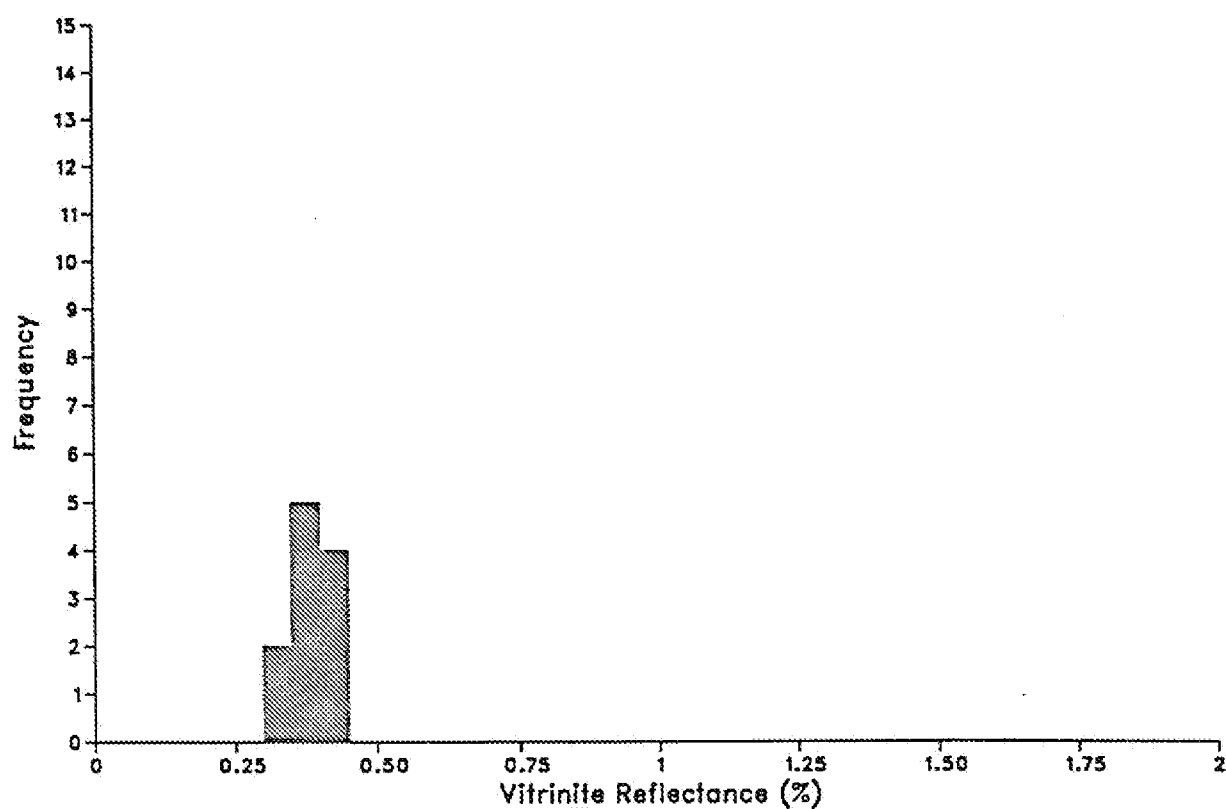
	Mean	St.Dev.	n
Indigenous Population (from 0.300 to 0.550):	0.42	0.06	8

Readings:

0.300 0.390 0.429 0.430 0.431 0.440 0.450 0.520

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 2650.00(m)



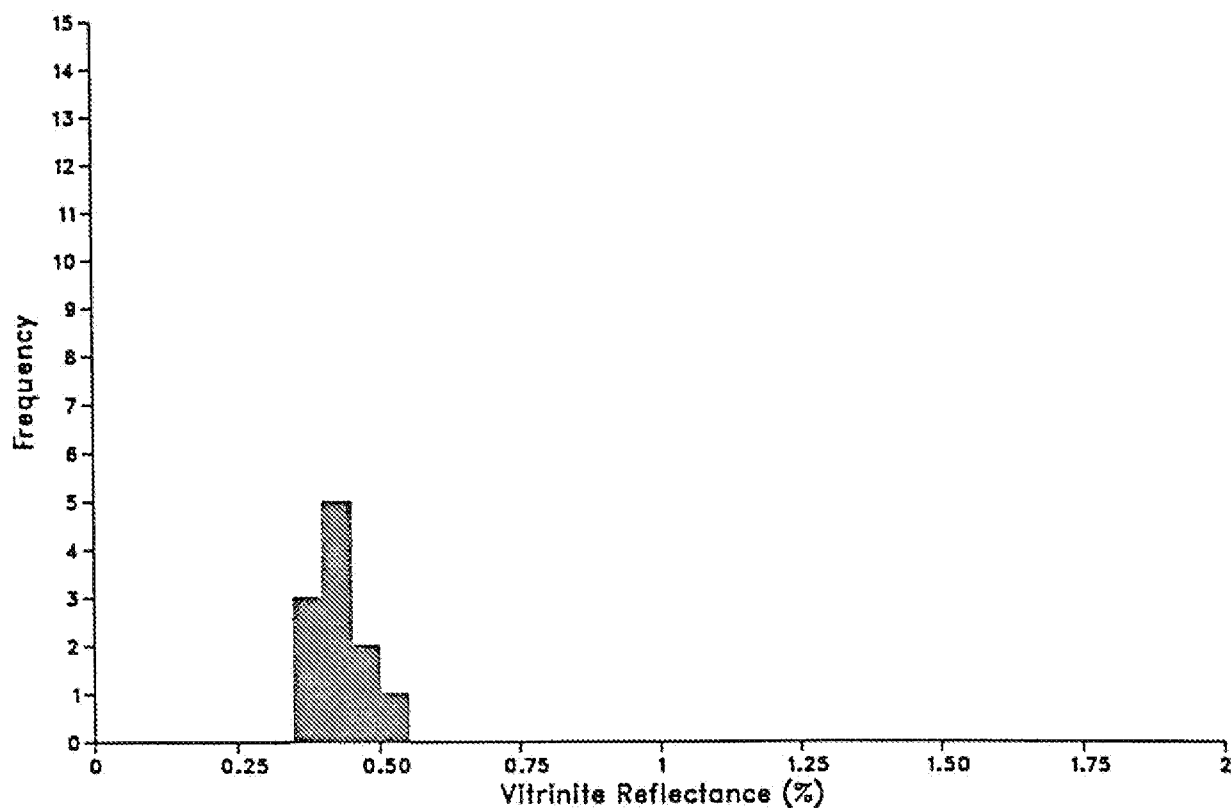
Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.300 to 0.450):	0.38	0.03	11

Readings:

0.330 0.340 0.360 0.370 0.371 0.380 0.390 0.409 0.410 0.411
0.412

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 2700.00(m)



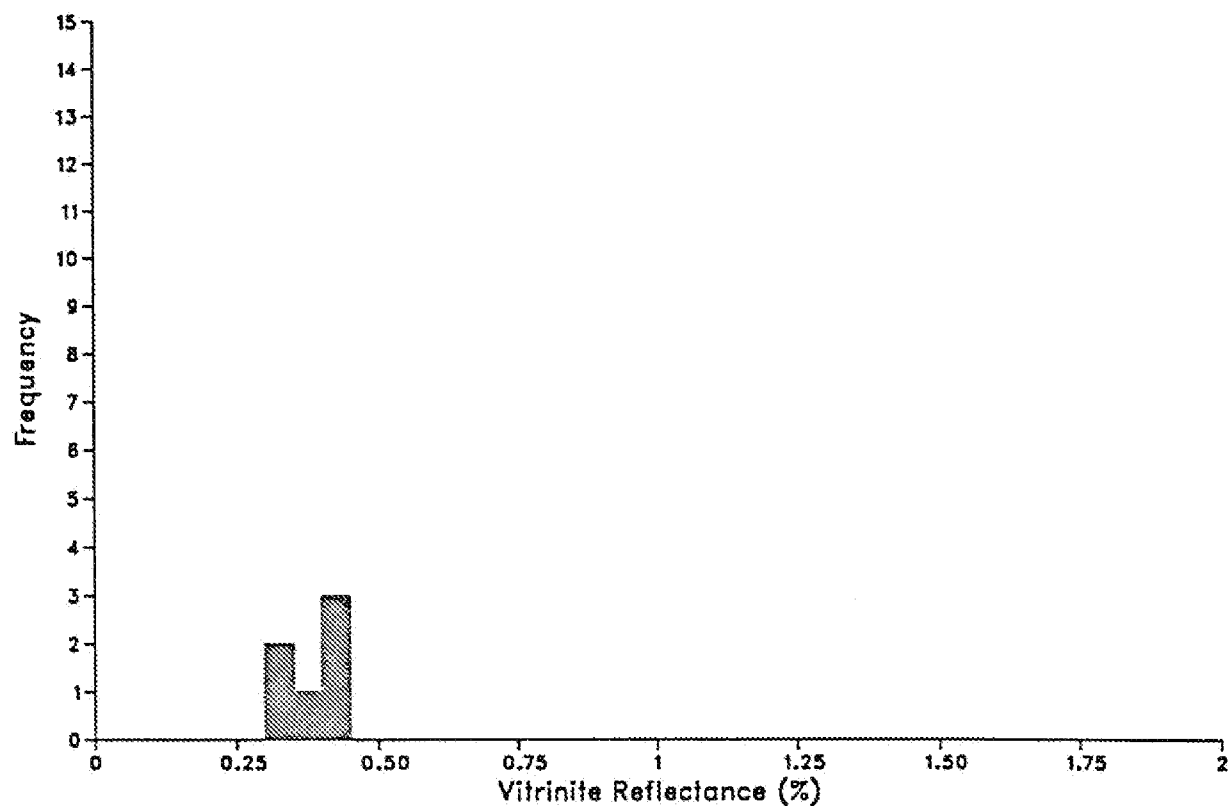
Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.350 to 0.550):	0.42	0.05	11

Readings:

0.350 0.351 0.370 0.410 0.411 0.429 0.430 0.431 0.450 0.490
0.520

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 2750.00(m)



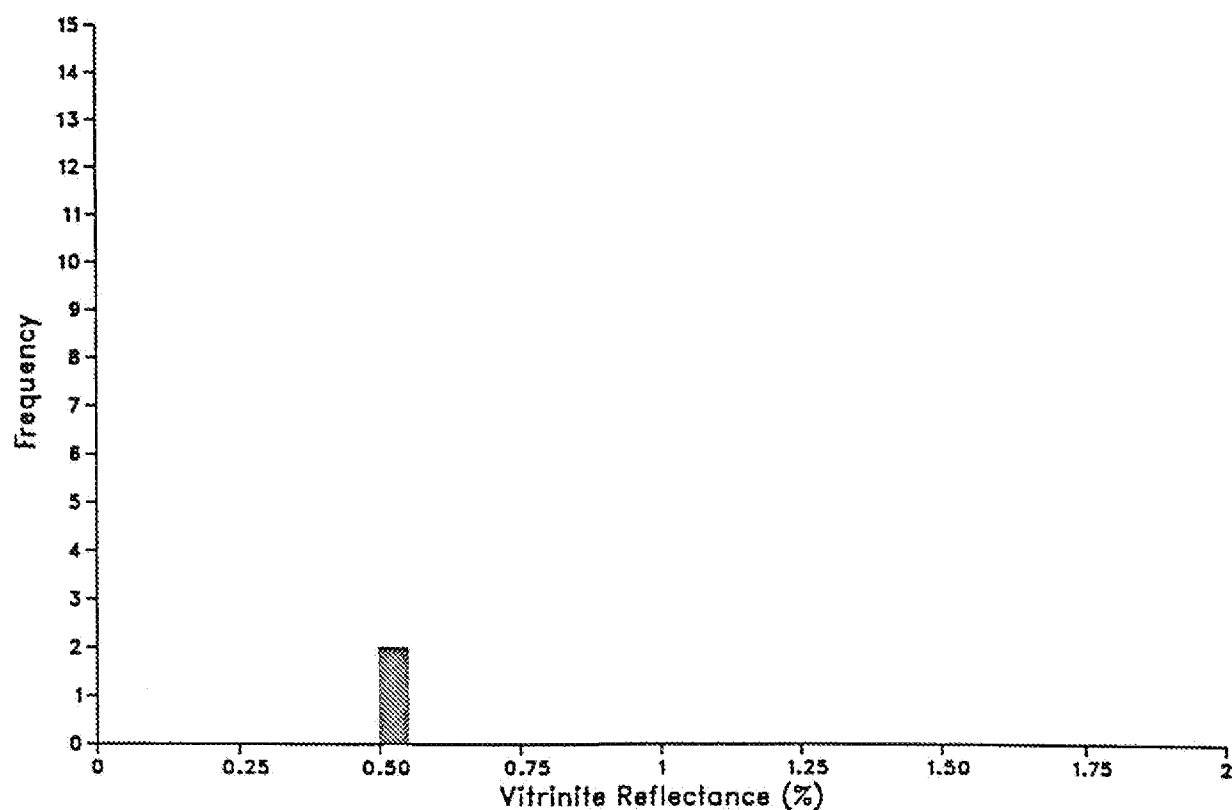
Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.300 to 0.450):	0.38	0.04	6

Readings:

0.330 0.340 0.390 0.400 0.401 0.420

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 2800.00(m)

**Statistics:**

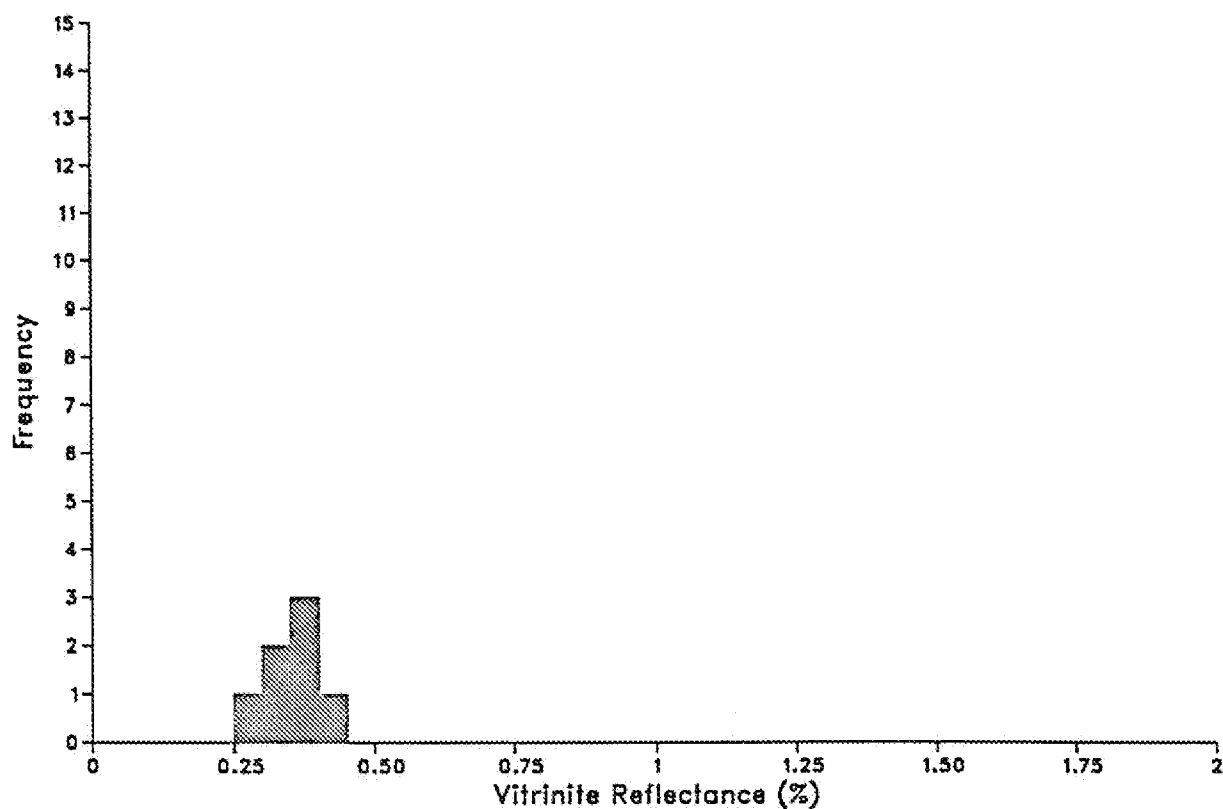
	Mean	St.Dev.	n
Indigenous Population (from 0.500 to 0.550):	0.51	0.01	2

Readings:

0.500 0.520

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 2850.00(m)



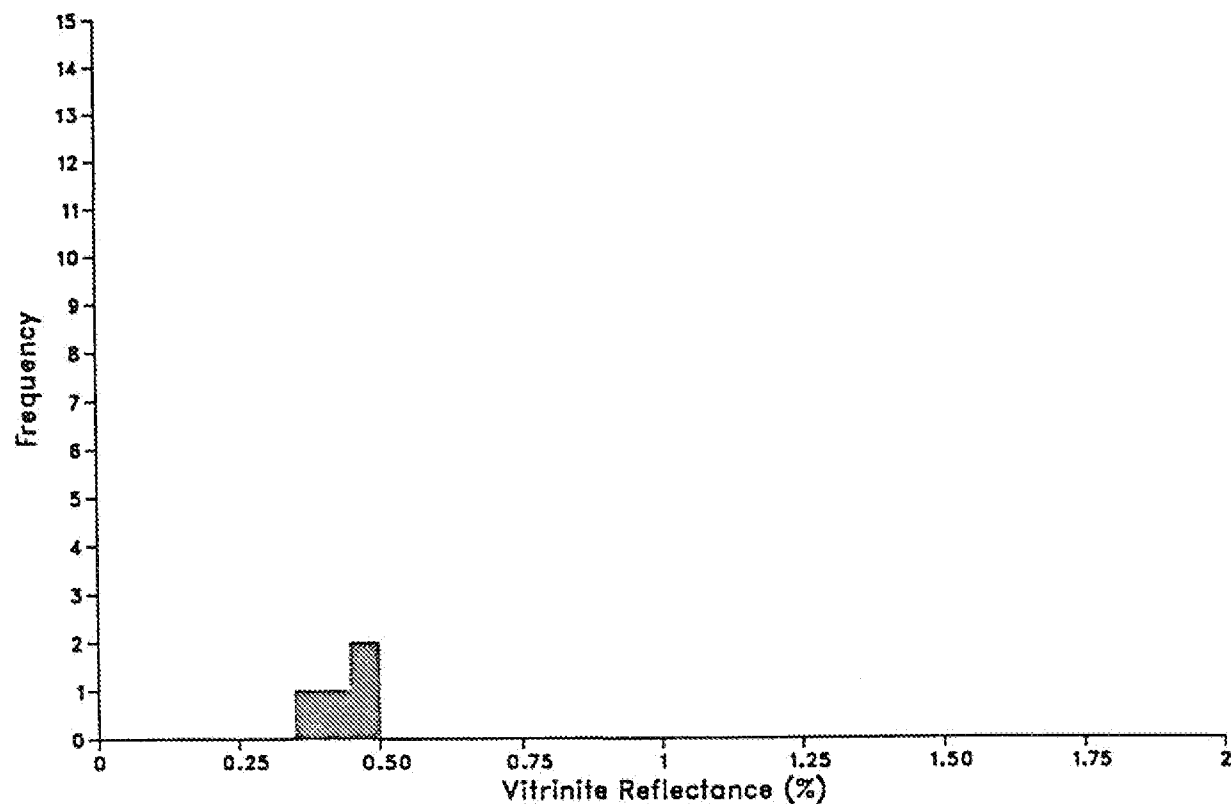
Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.250 to 0.450):	0.36	0.05	7

Readings:

0.290 0.320 0.340 0.360 0.370 0.390 0.430

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 2900.00(m)

**Statistics:**

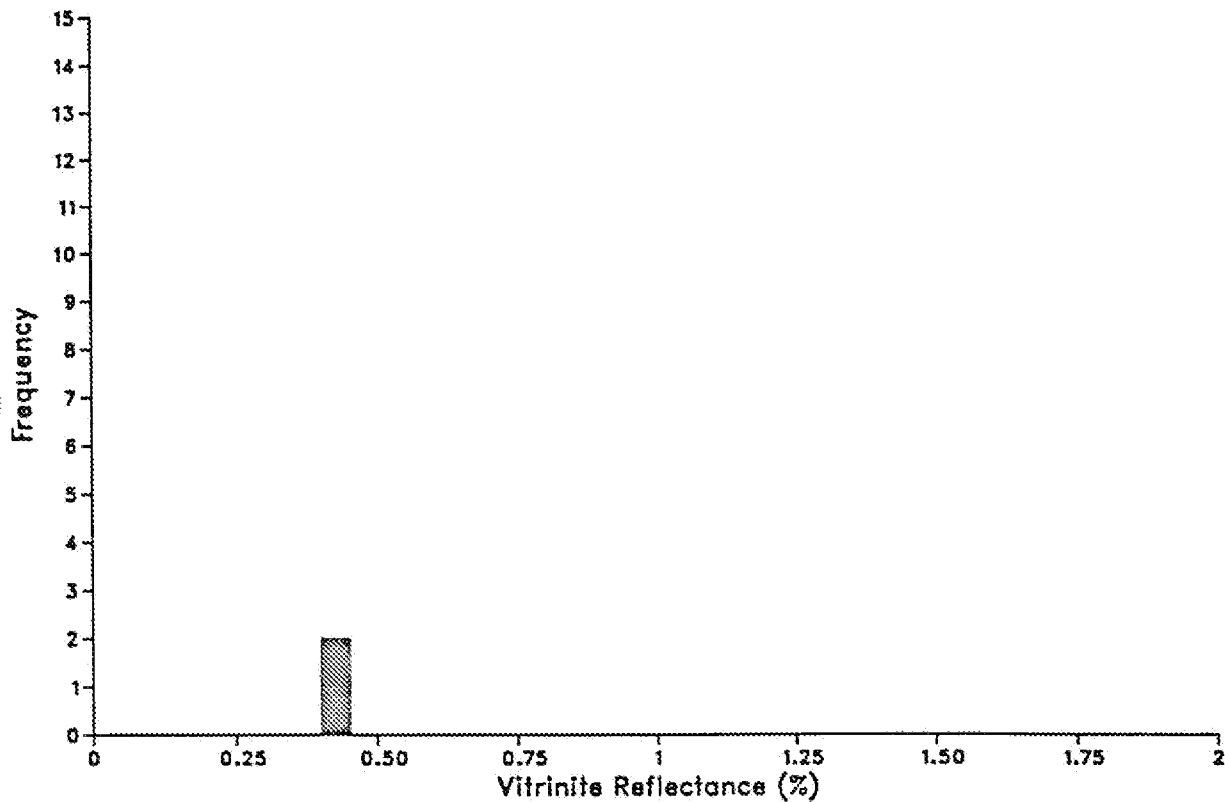
	Mean	St.Dev.	n
Indigenous Population (from 0.350 to 0.500):	0.43	0.03	4

Readings:

0.390 0.420 0.450 0.470

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 2956.00(m)



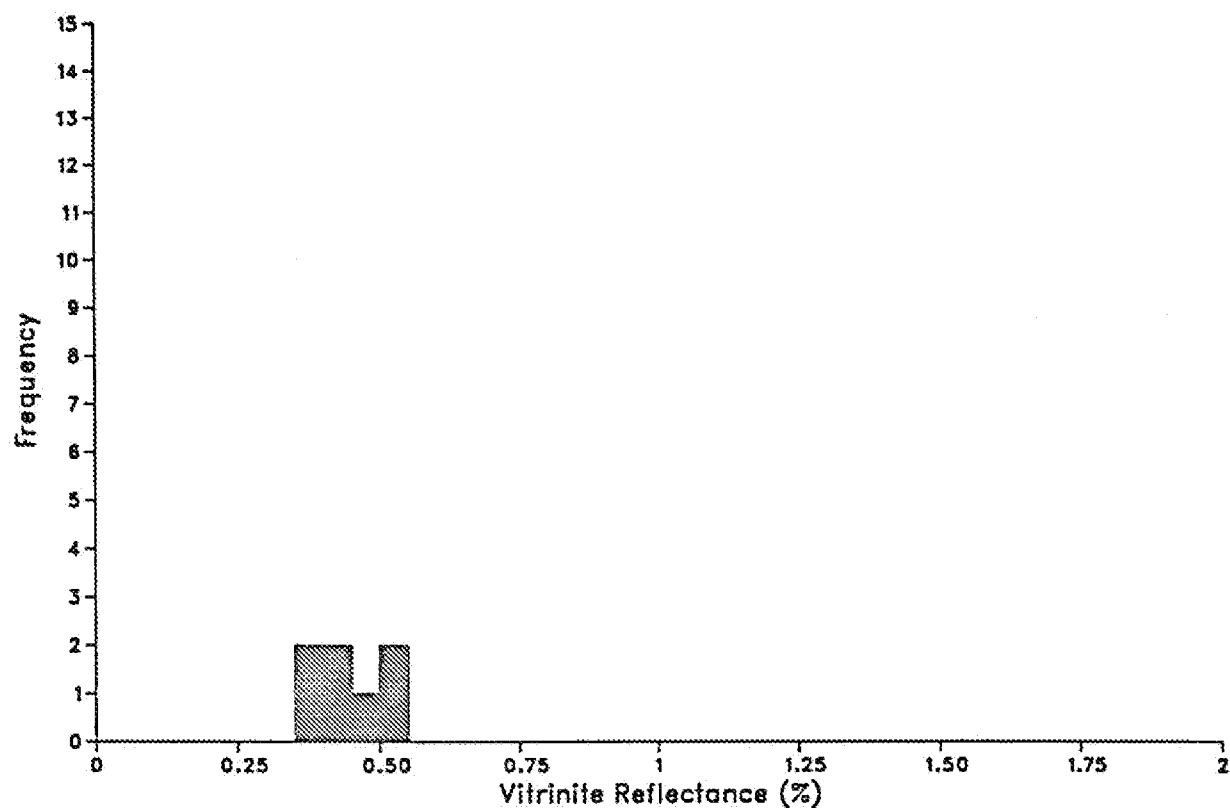
Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.400 to 0.450):	0.42	0.01	2

Readings:

0.410 0.430

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 3052.00(m)

**Statistics:**

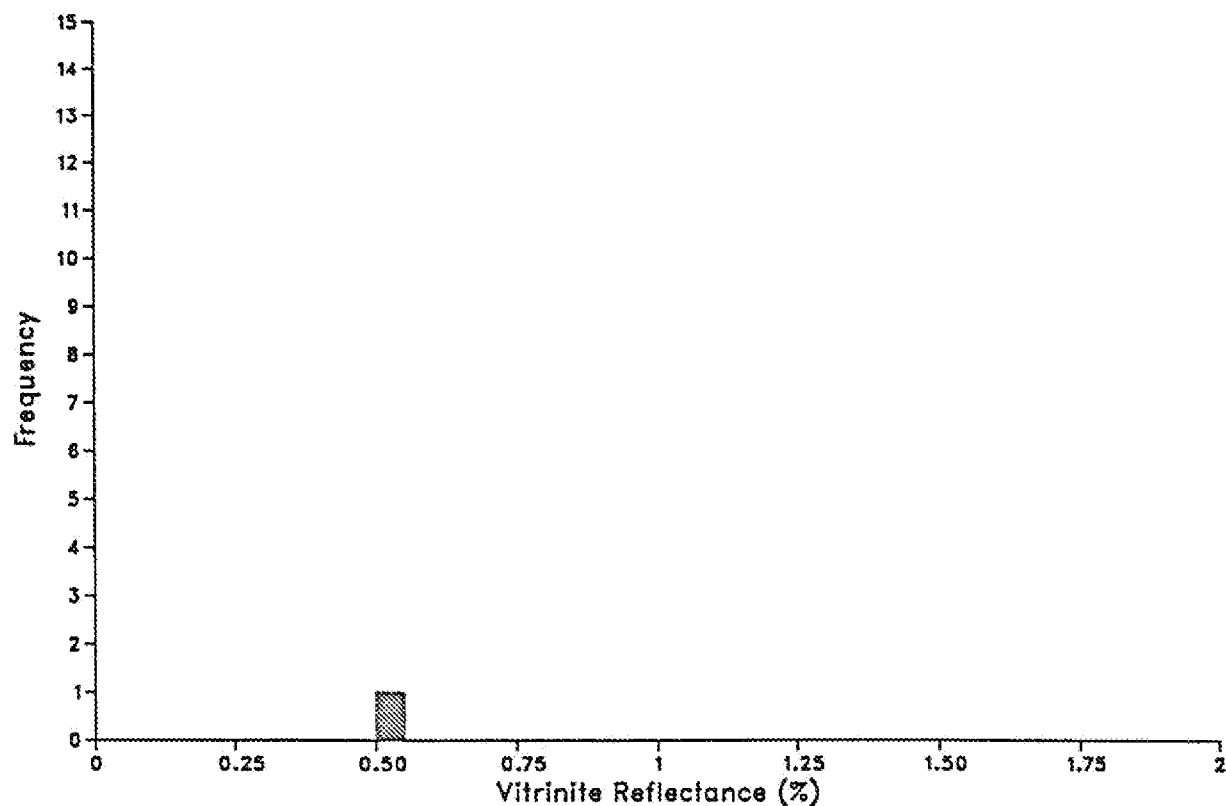
	Mean	St.Dev.	n
Indigenous Population (from 0.350 to 0.550):	0.43	0.06	7

Readings:

0.350 0.390 0.400 0.420 0.450 0.510 0.511

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 3100.00(m)



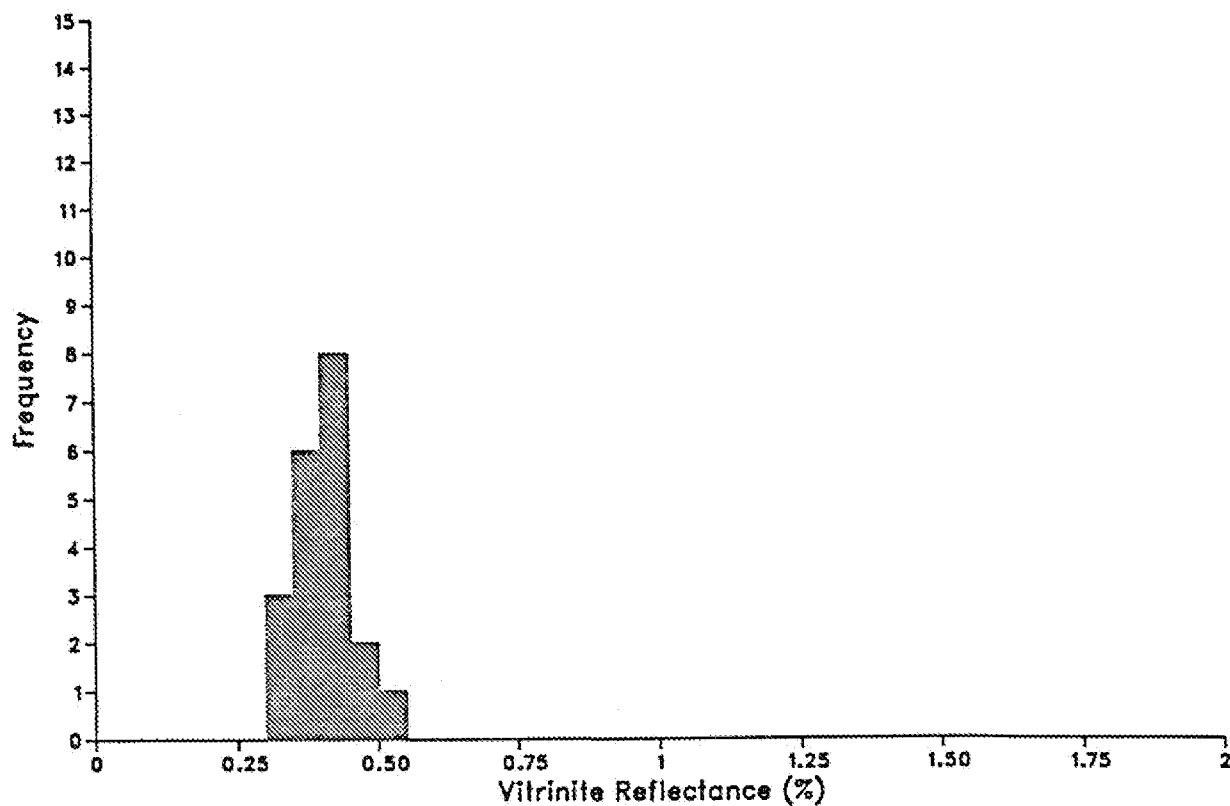
Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.500 to 0.550):	0.53	0.00	1

Readings:

0.530

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 3196.00(m)

**Statistics:**

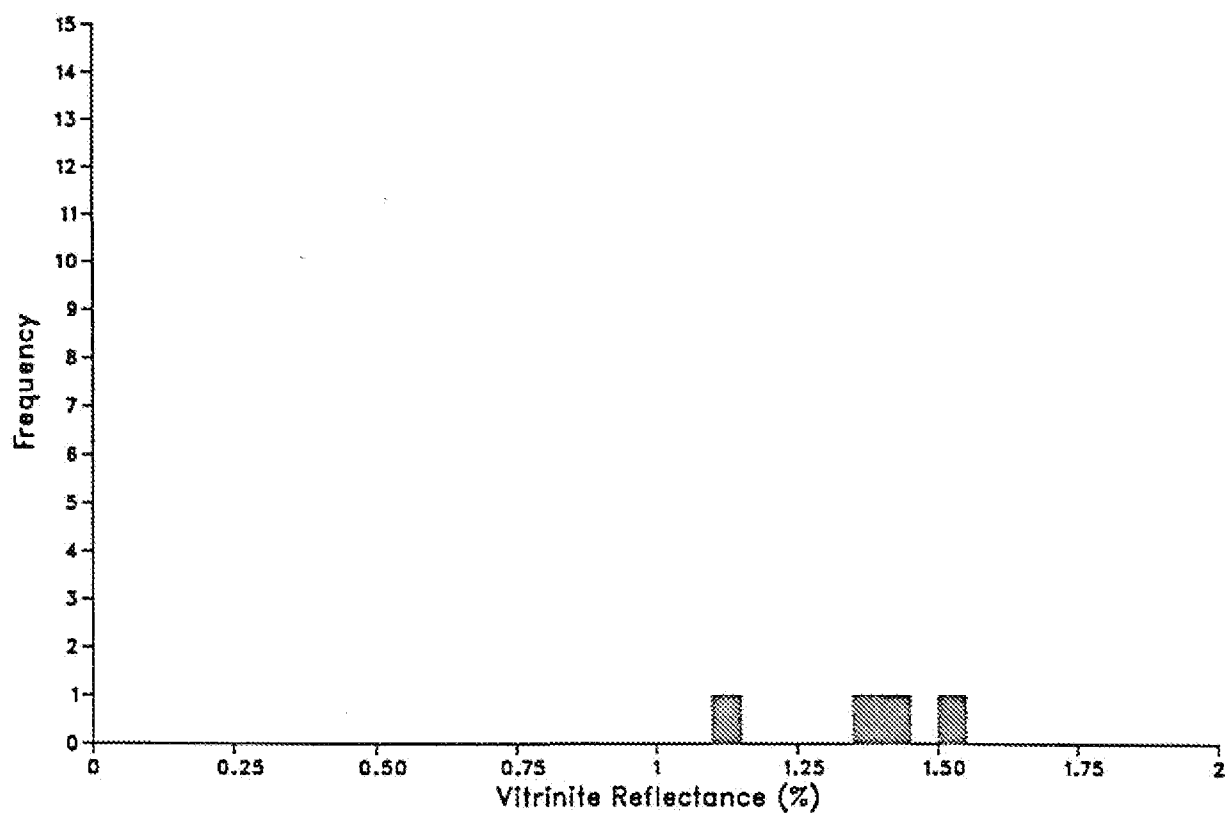
	Mean	St.Dev.	n
Indigenous Population (from 0.300 to 0.550):	0.40	0.05	20

Readings:

0.330	0.340	0.341	0.350	0.360	0.380	0.381	0.390	0.392	0.400
0.401	0.410	0.411	0.419	0.420	0.421	0.449	0.450	0.451	0.530

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 3913.00(m)



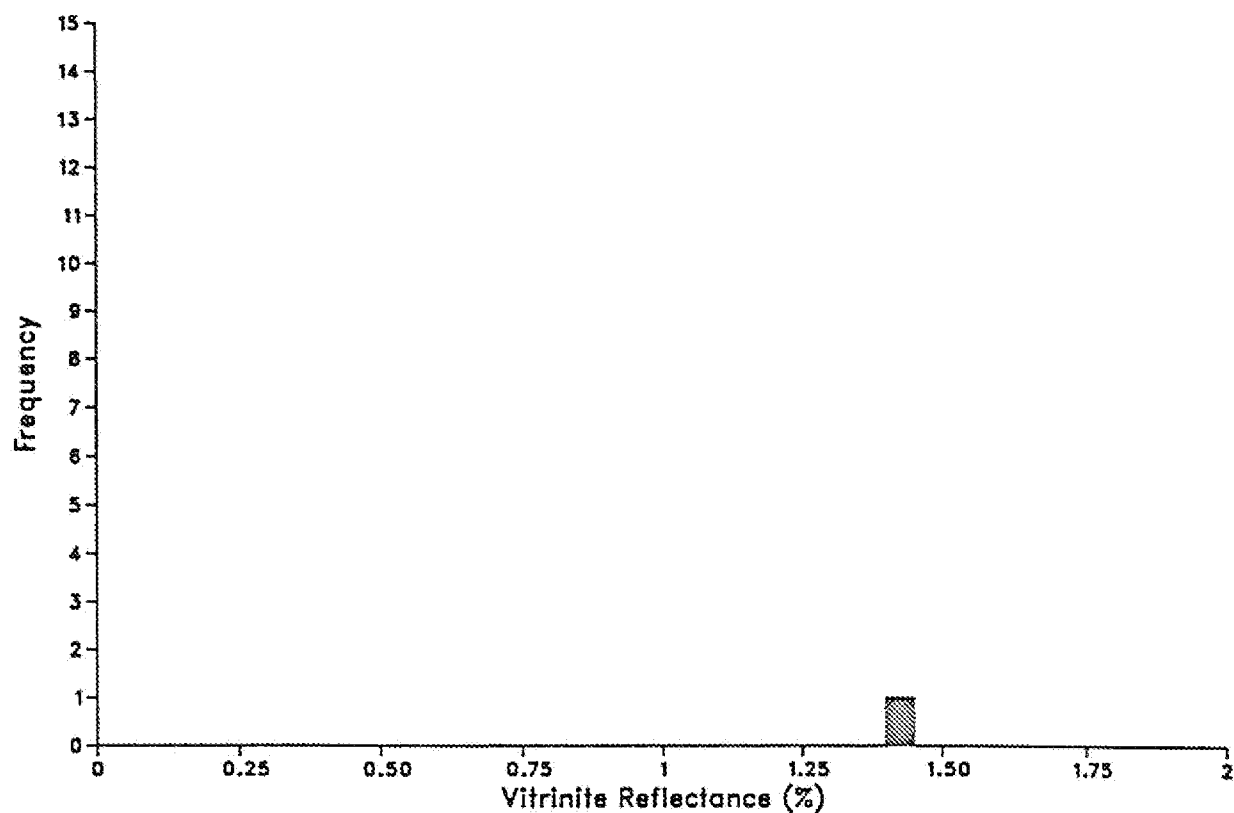
Statistics:	Mean	St.Dev.	n
Indigenous Population (from 1.100 to 1.500):	1.36	0.15	4

Readings:

1.140	1.380	1.420	1.500
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Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 4147.00(m)

**Statistics:**

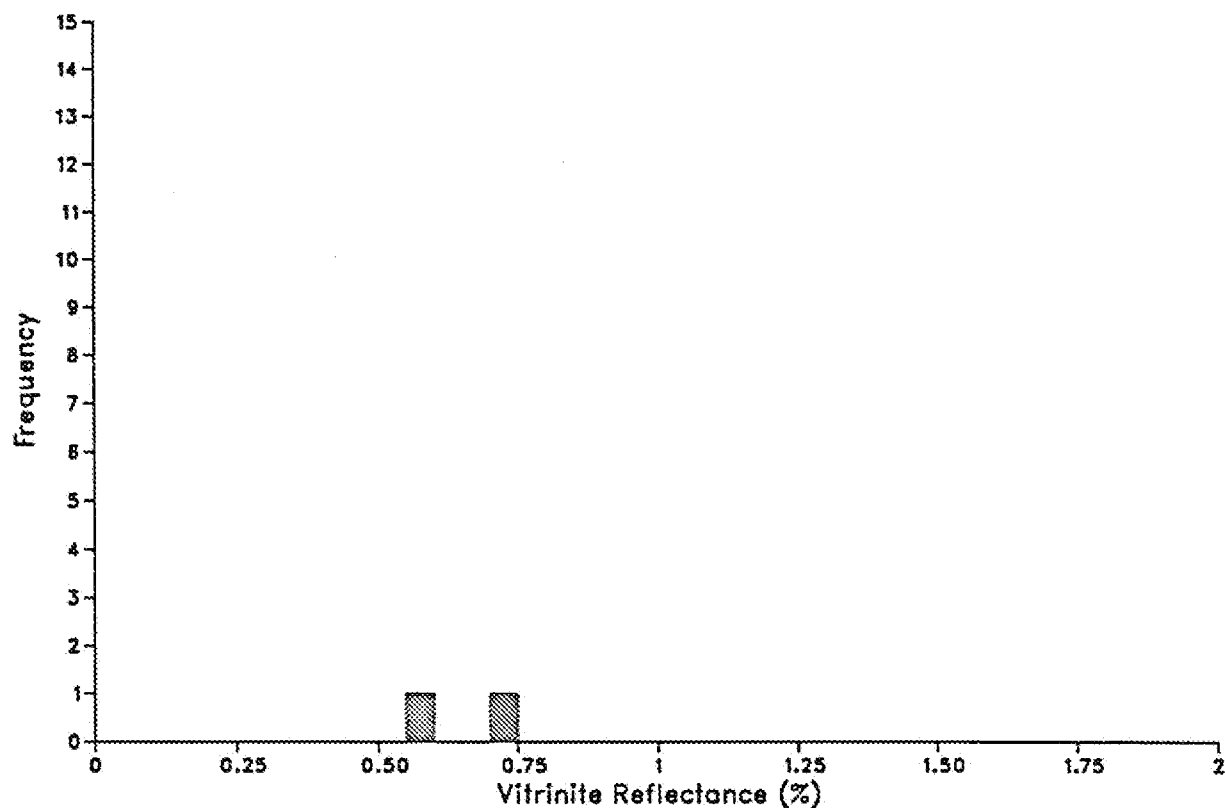
	Mean	St.Dev.	n
Indigenous Population (from 1.400 to 1.450):	1.41	0.00	1

Readings:

1.410

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 4201.00(m)

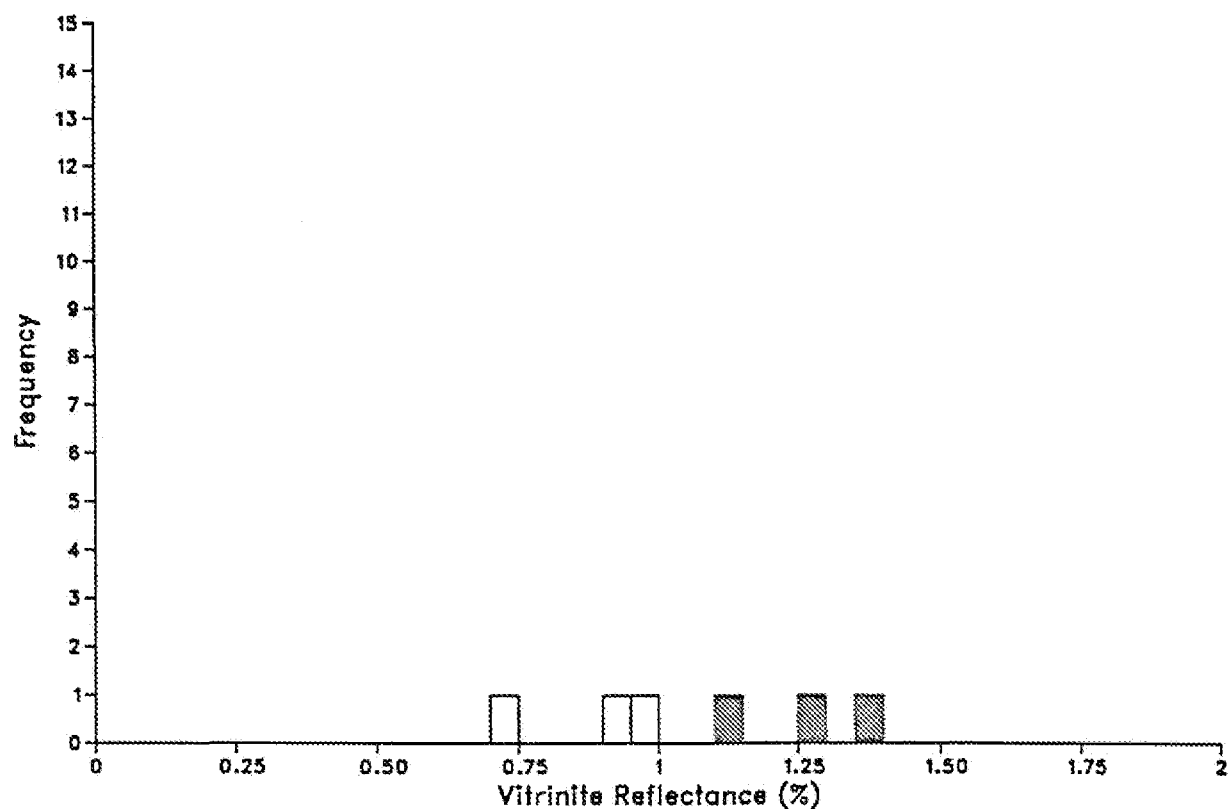


Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.550 to 0.700):	0.63	0.11	2

Readings:
0.550 0.700

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 4351.00(m)



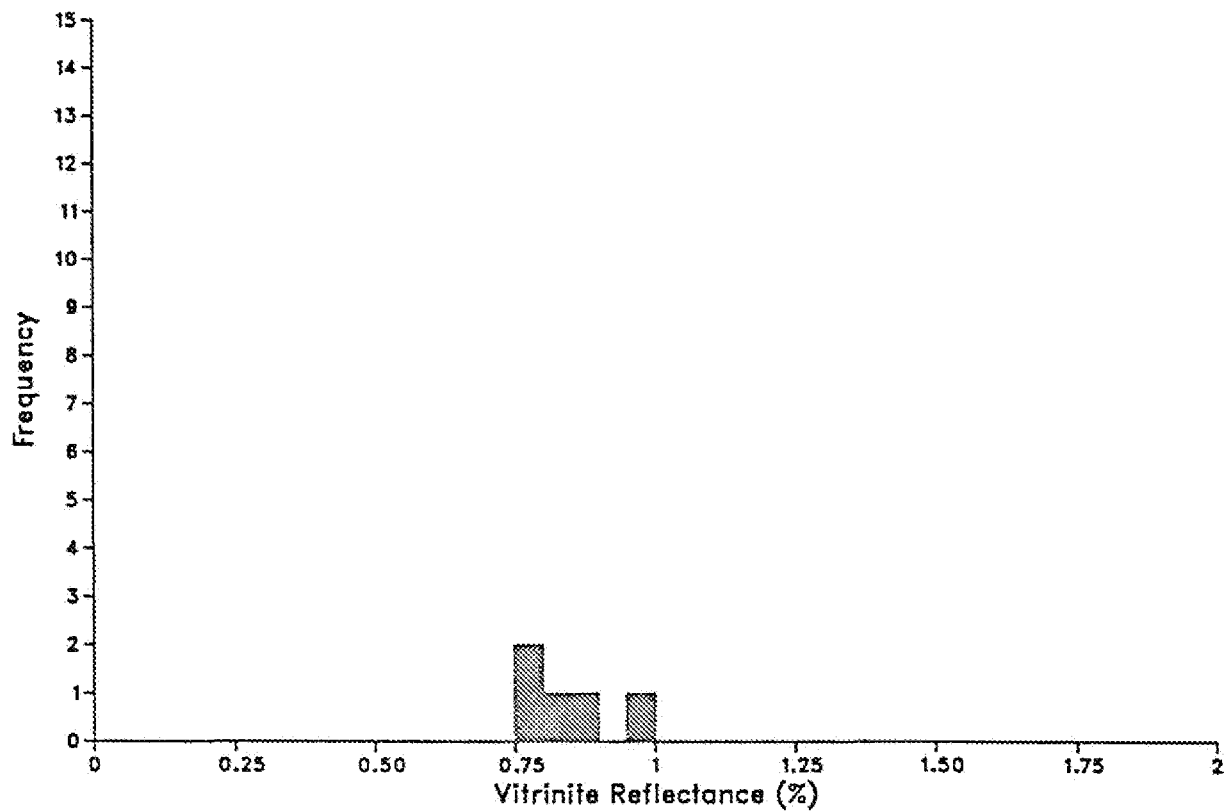
Statistics:	Mean	St.Dev.	n
Indigenous Population (from 1.100 to 1.400):	1.24	0.14	3
Population Two (from 0.700 to 1.000):	0.87	0.14	3

Readings:

0.710	0.910	0.990	1.100	1.250	1.380
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Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 4408.00(m)



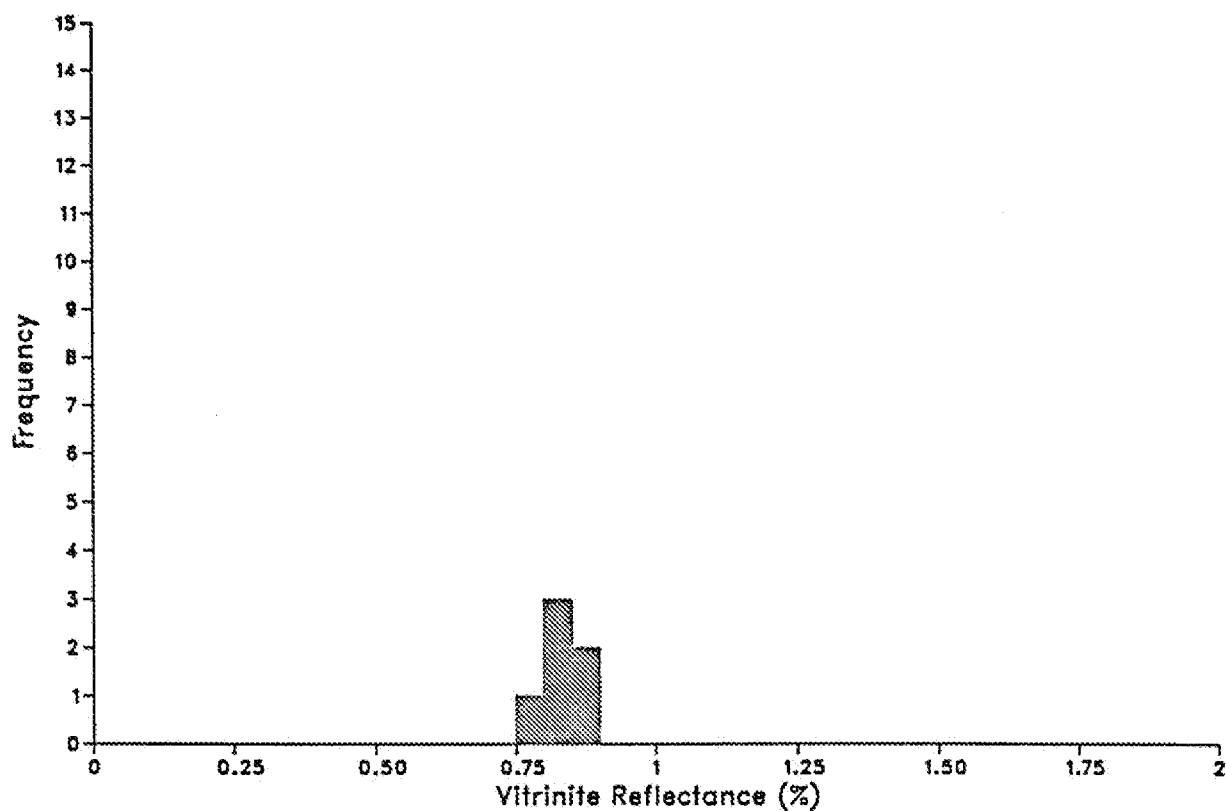
Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.750 to 1.000):	0.84	0.09	5

Readings:

0.770 0.780 0.800 0.880 0.980

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 4450.00(m)

**Statistics:**

Mean

St.Dev.

n

Indigenous Population (from 0.750 to 0.900):

0.83

0.05

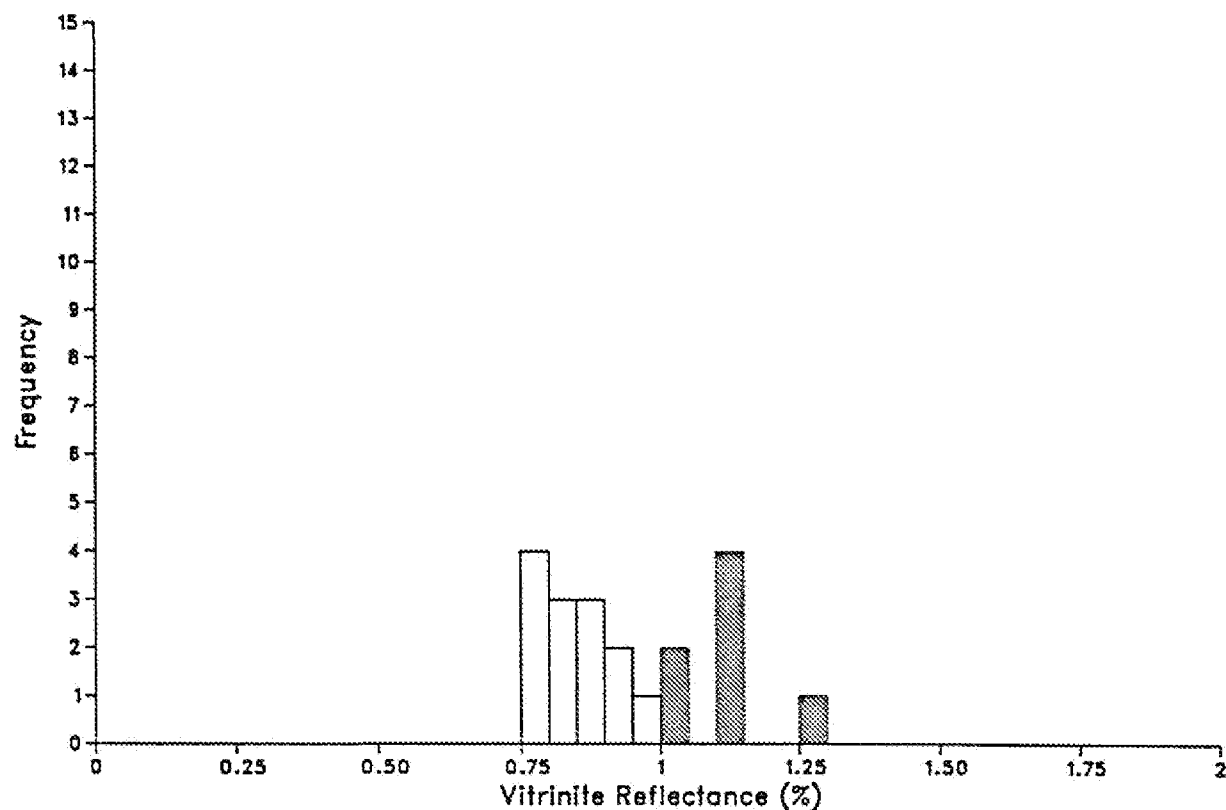
6

Readings:

0.750 0.820 0.821 0.830 0.880 0.890

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 4501.00(m)

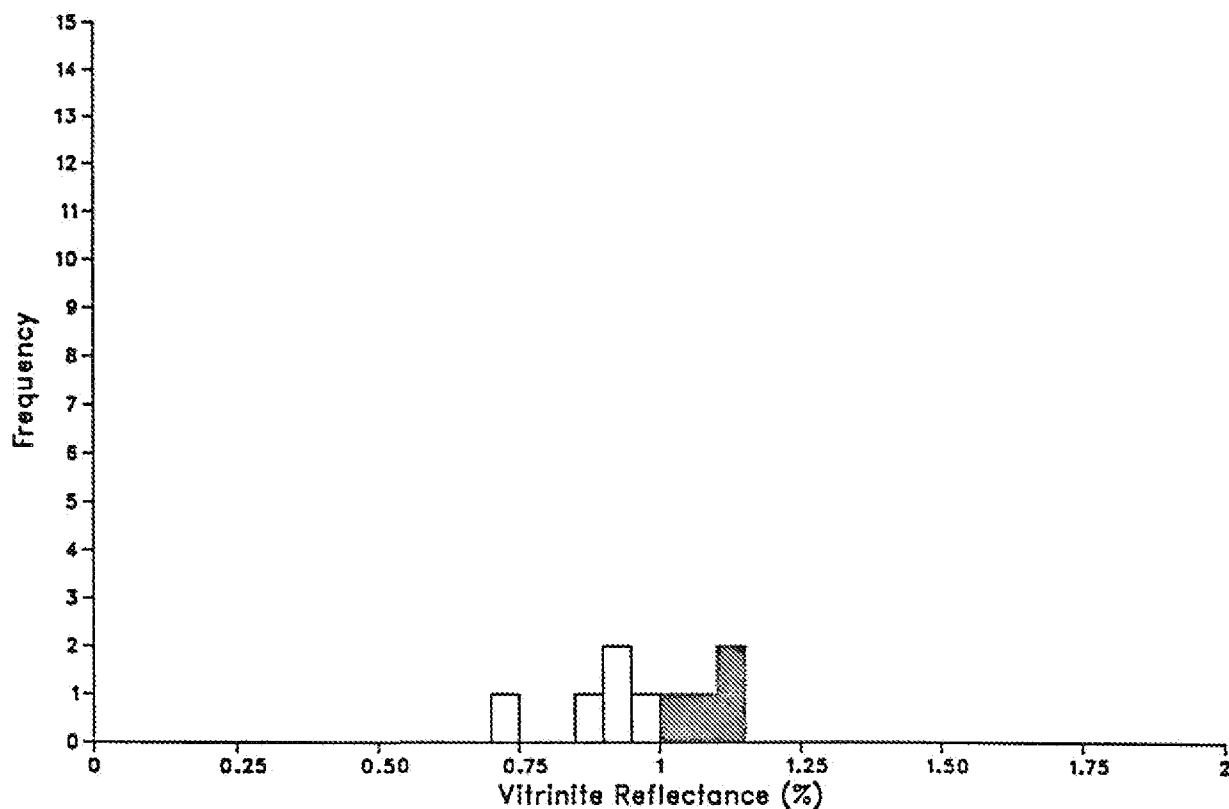


Statistics:	Mean	St.Dev.	n
Indigenous Population (from 1.000 to 1.300):	1.12	0.08	7
Population Two (from 0.750 to 1.000):	0.85	0.07	13

Readings:									
0.770	0.771	0.780	0.790	0.800	0.830	0.840	0.850	0.870	0.880
0.910	0.920	0.990	1.020	1.030	1.110	1.120	1.130	1.140	1.260

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 4549.00(m)



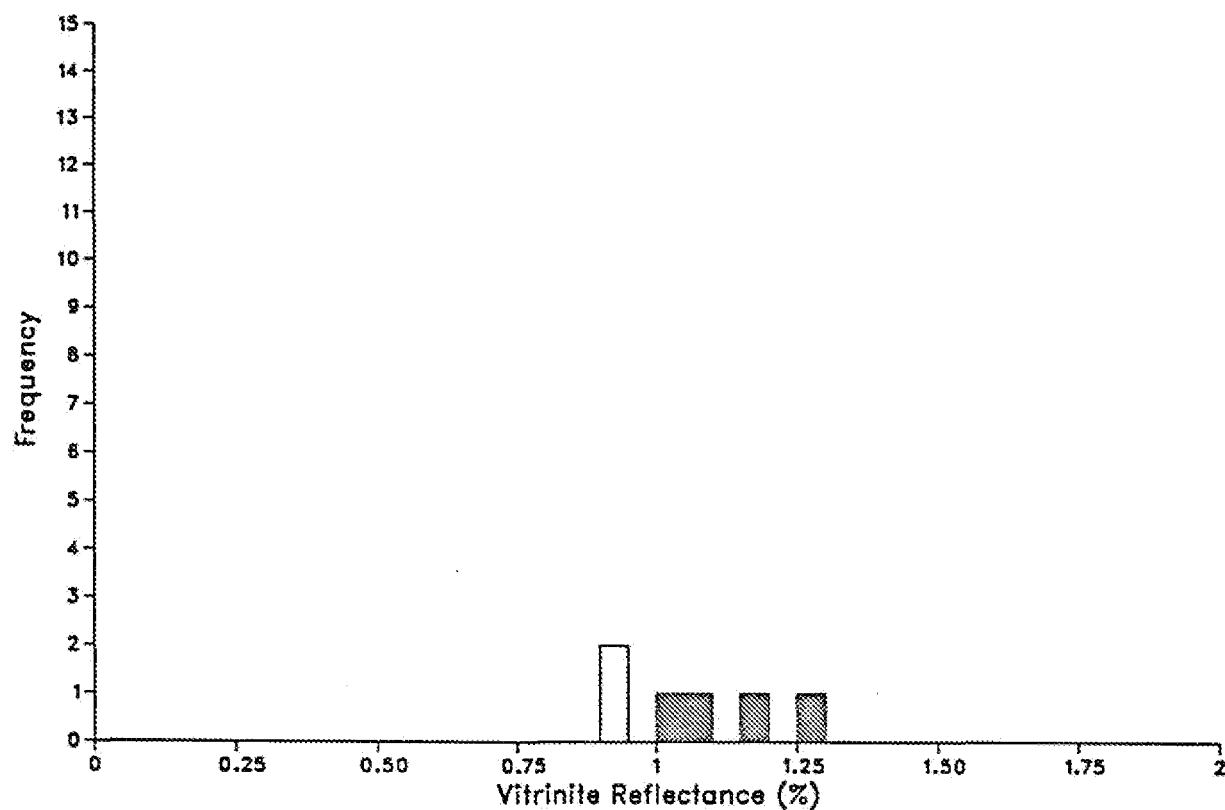
Statistics:	Mean	St.Dev.	n
Indigenous Population (from 1.000 to 1.150):	1.08	0.03	4
Population Two (from 0.700 to 1.000):	0.88	0.09	5

Readings:

0.740	0.850	0.910	0.930	0.960	1.040	1.070	1.100	1.110
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Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 4603.00(m)

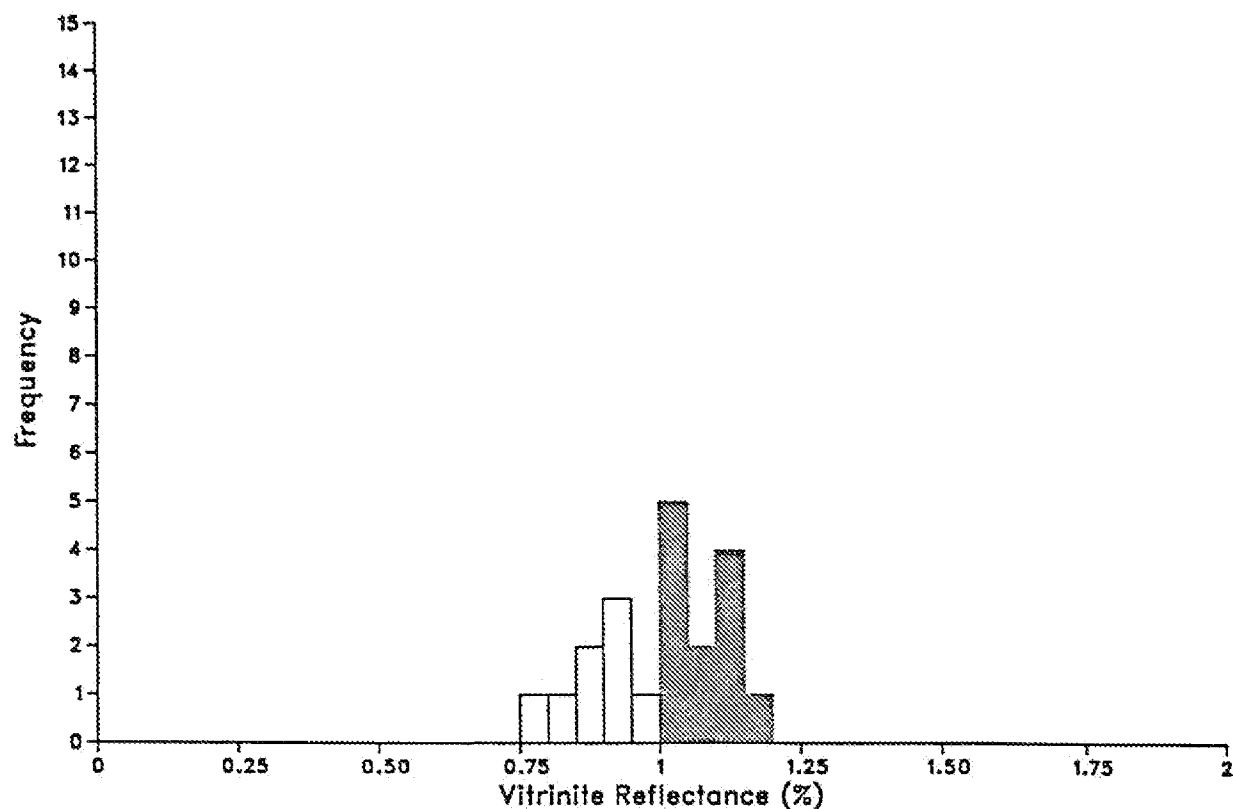


Statistics:	Mean	St.Dev.	n
Indigenous Population (from 1.000 to 1.300):	1.13	0.10	4
Population Two (from 0.900 to 0.950):	0.92	0.01	2

Readings:
0.910 0.930 1.030 1.060 1.160 1.260

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 4648.00(m)



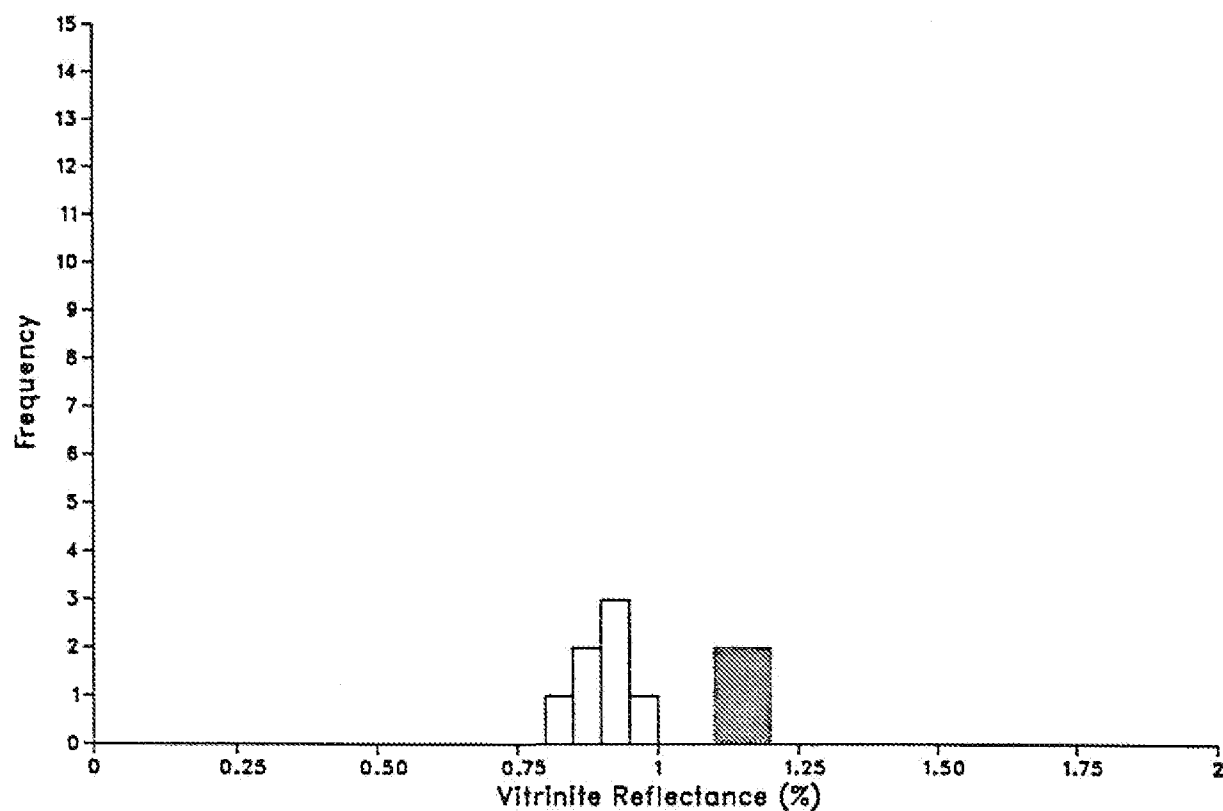
Statistics:	Mean	St.Dev.	n
Indigenous Population (from 1.000 to 1.200):	1.08	0.05	12
Population Two (from 0.750 to 0.950):	0.88	0.06	8

Readings:

0.770	0.800	0.880	0.890	0.910	0.920	0.930	0.950	1.010	1.020
1.030	1.040	1.041	1.080	1.090	1.100	1.110	1.111	1.140	1.180

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 4702.00(m)



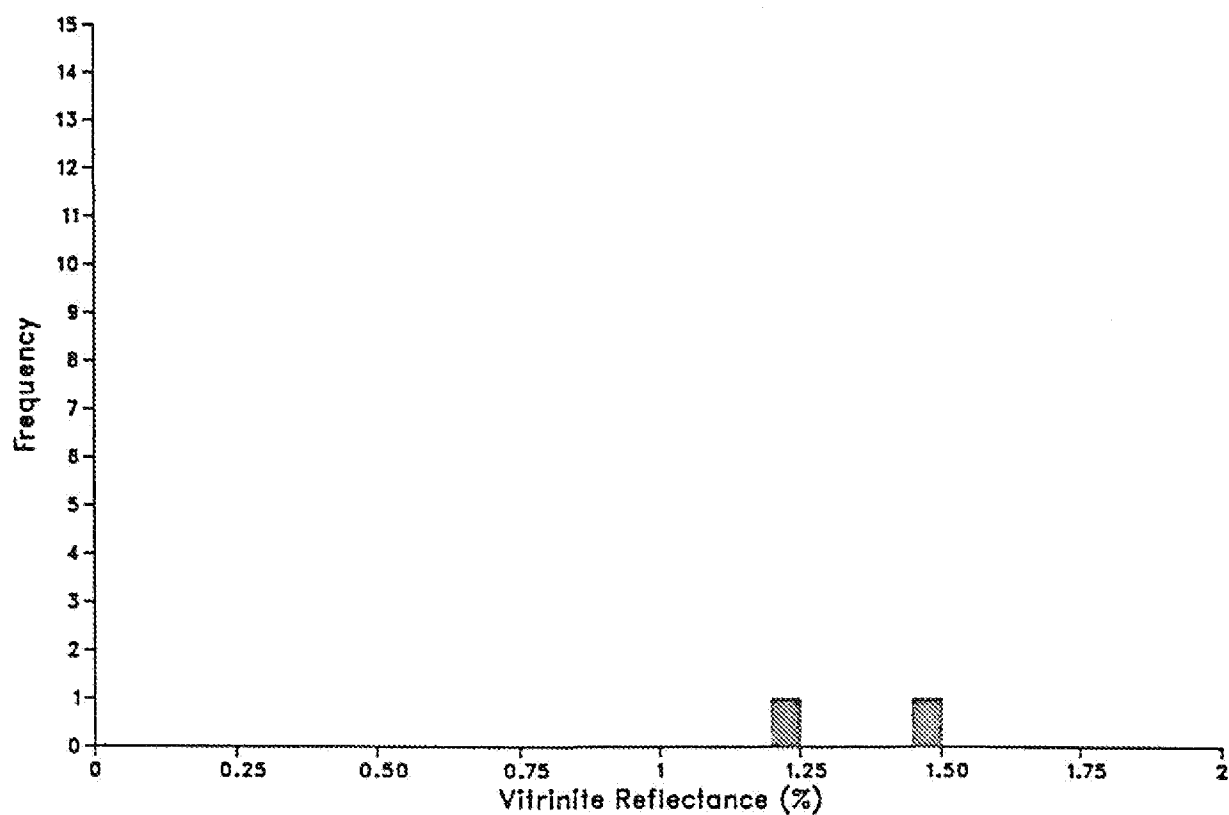
Statistics:	Mean	St.Dev.	n
Indigenous Population (from 1.100 to 1.200):	1.14	0.03	4
Population Two (from 0.800 to 1.000):	0.89	0.05	7

Readings:

0.820 0.860 0.870 0.900 0.901 0.920 0.990 1.110 1.120 1.150
1.170

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 4754.00(m)

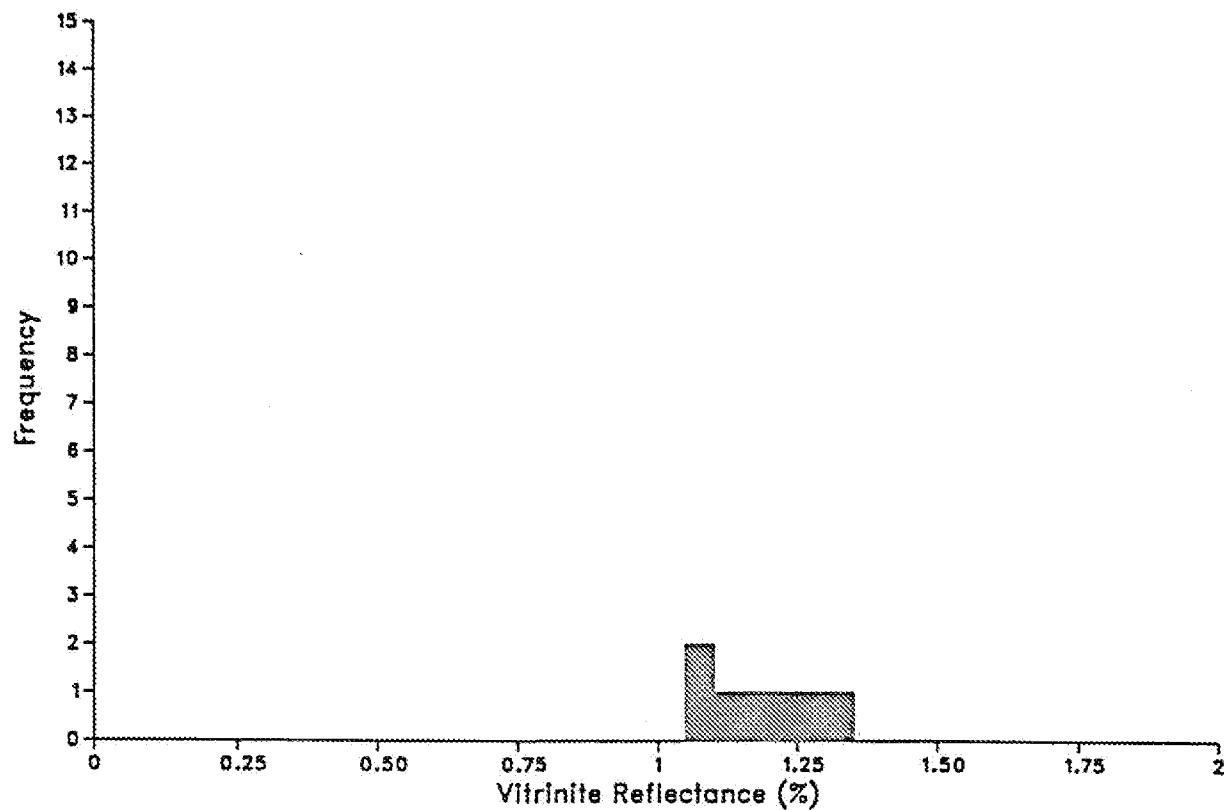


Statistics:	Mean	St.Dev.	n
Indigenous Population (from 1.200 to 1.500):	1.36	0.18	2

Readings:
1.230 1.490

Vitrinite Reflectance Histogram

Well: NOCS 1/6--7
Depth: 4770.00(m)



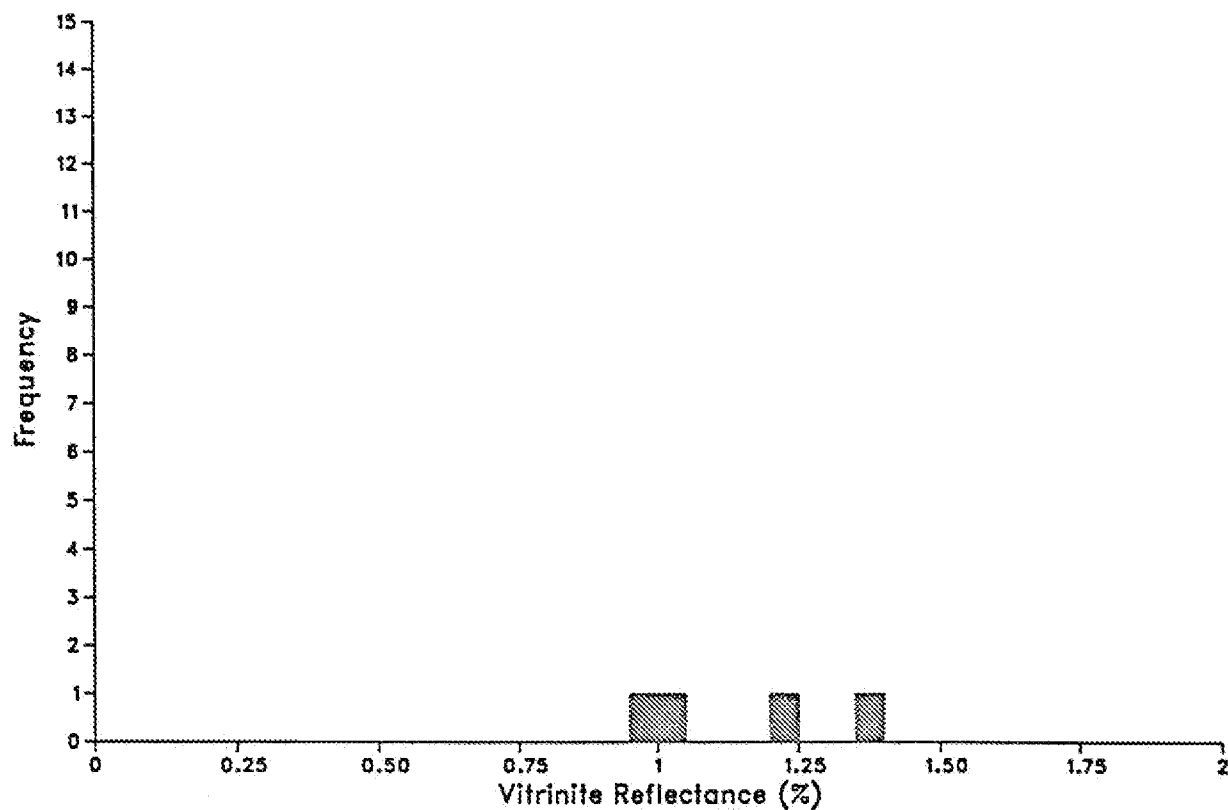
Statistics:	Mean	St.Dev.	n
Indigenous Population (from 1.050 to 1.350):	1.18	0.10	7

Readings:

1.060 1.090 1.110 1.160 1.210 1.280 1.320

Vitrinite Reflectance Histogram

Well: NOCS 1/6-7
Depth: 4800.57(m)



Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.950 to 1.400):	1.15	0.19	4

Readings:
0.970 1.020 1.230 1.380