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Title:
BIOMARKER GEOCHROMATOGRAPHY OF (SECONDARY) MIGRATED OILS IN WELL 7219/9-1

BA-90-803-1

17 APR. 1990

Summary/Conclusion/Recommandation:

Keywords:
Biomarkers, metastable ion monitoring, Secondary migration, Petroleum Geochemistry

Pages-appendix	Amendment no	Revision no	Revision date
11 - 3 app.		0	
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Section	Geo-section		
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2. EXPERIMENTAL

The SAT-fractions of extracted samples are analyzed by GC/MS. Standard lab procedures of selected metastable ion monitoring are used to detect pre-selected groups of SAT-biomarkers.

List of analyzed metastable transitions:

Group 1 (low molecular weight biomarkers):

a.	360 m/z	-> 191 m/z	=> C_{26}	tricyclic terpanes
b.	346	-> 191	=> C_{25}	-"-
c.	332	-> 191	=> C_{24}	-"-
d.	318	-> 191	=> C_{23}	-"-
e.	304	-> 191	=> C_{22}	-"-
f.	290	-> 191	=> C_{21}	-"-
g.	276	-> 191	=> C_{20}	-"-
h.	316	-> 217	=> C_{23}	steranes
i.	302	-> 217	=> C_{22}	-"-
j.	288	-> 217	=> C_{21}	-"-

Group 2:

k.	454 m/z	-> 191 m/z	=> C_{33}	pentacyclic triterpanes
l.	440	-> 191	=> C_{32}	-"-
m.	426	-> 191	=> C_{31}	-"-
n.	412	-> 191	=> C_{30}	-"-
o.	398	-> 191	=> C_{29}	-"-
p.	384	-> 191	=> C_{28}	-"-
q.	370	-> 191	=> C_{27}	-"-
r.	414	-> 217	=> C_{30}	steranes
s.	400	-> 217	=> C_{29}	-"-
t.	386	-> 217	=> C_{28}	-"-
u.	372	-> 217	=> C_{27}	-"-

Standardized identification of SAT-biomarkers:

Triterpanes:

Numbers from 18 to 35 correspond to the carbon number of the molecule, the subsequent capital letter identifies the stereochemistry and/or the number of rings.

A 17α(H)-hopanes (I) 22S
B 17α(H)-hopanes 22R
C 17β(H)-moretanes (II) 22S
D 17β(H)-moretanes 22R
E 17β(H)-hopanes (III)
F Neohopanes (IV)
G Gammacerane (V)
H Hopenes (VI)
I 25-norhopanes (VII)
L Lupane (VIII)
O 18α(H)-oleanane (IX)
X Tetracyclic terpanes (X)
Y Tricyclic terpanes (XI)
N Unidentified

Steranes:

Numbers from 20 to 30 correspond to the carbon number of the molecules, the subsequent small letter identifies the stereochemistry.

a 13β(H),17α(H)-diasteranes 20S (1)
b 13β(H),17α(H)-diasteranes 20R (2)
c 13α(H),17β(H)-diasteranes 20S (3)
d 13α(H),17β(H)-diasteranes 20R (4)
e 5α(H),14α(H),17α(H)-steranes 20S (5)
f 5α(H),14β(H),17β(H)-steranes 20R (6)
g 5α(H),14β(H),17β(H)-steranes 20S (7)
h 5α(H),14α(H),17α(H)-steranes 20R (8)
i 5β(H),14α(H),17α(H)-steranes (9)
k 4-methylsteranes (10)
n unidentified

Examples: 31B corresponds to 17α(H)-homohopane 22R
29e corresponds to ααα-ethylcholestane 20S

The relative distribution of the analysed SAT-biomarkers are presented as bargraphs,- normalized to the most abundant compound, Appendix A and B. This semi-quantitative presentation is strictly related to the analytical method.
The concentration/response-ratio is not necessarily comparable between different type of compounds. A quantitative comparison of biomarker distributions are hence restricted to a narrow range of concentrations.

Sample information and peak heights are listed in Appendix C.

The analysed SAT-biomarkers, presented in the included bargraphs, are abbreviated accordingly:

Terpanes:

26Y:	C-26 Tri-cyclic terpanes
26YY:	C-26 Tri-cyclic terpanes
25Y:	C-25 Tri-cyclic terpanes
24Y:	C-24 Tri-cyclic terpanes
24XY:	C-24 Tetra-cyclic terpanes
23Y:	C-23 Tri-cyclic terpanes
22Y:	C-22 Tri-cyclic terpanes
21Y:	C-21 Tri-cyclic terpanes
20Y:	C-20 Tri-cyclic terpanes

Low molecular weight steranes:

23a:	C-23 Sterane
23k:	C-23 Sterane
22a:	C-22 Sterane
22k:	C-22 Sterane
21a:	C-21 Sterane
21k:	C-21 Sterane

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Triterpanes:

33A: C-33 17α(H),21β(H)-trishomohopane-22S
33B: C-33 17α(H),21β(H)-trishomohopane-22R

32A: C-32 17α(H),21β(H)-bishomohopane-22S
32B: C-32 17α(H),21β(H)-bishomohopane-22R

31A: C-31 17α(H),21β(H)-homohopane-22S
31B: C-31 17α(H),21β(H)-homohopane-22R
31C: C-31 17β(H),21β(H)-homohopane-22S
31D: C-31 17β(H),21β(H)-homohopane-22R

30F: C-30 ?-hopane
30A: C-30 17α(H),21β(H)-hopane
30H: C-30 ?-hopene
30C: C-30 17β(H),21α(H)-moretane

29N: C-29 ?-30-norhopane
29A: C-29 17α(H),21β(H)-30-norhopane
29F: C-29 ?-30-norhopane
29C: C-29 17β(H),21α(H)-30-normoretane

28A: C-28 17α(H),21β(H)-28,30-bisnorhopane + βα-bisnormoretane
28N: C-28 ?-17β(H),21β(H)-28,30-bisnorhopane

27F: C-27 18α(H)-22,29,30-trisnorneohopane (Ts)
27A: C-27 17α(H)-22,29,30-trinorhopane (Tm)

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Steranes:

30a:	C-30 13β(H),17α(H)-diasterane-20S
b:	C-30 13β(H),17α(H)-diasterane-20R
c:	C-30 13α(H),17β(H)-diasterane-20S
d:	C-30 13α(H),17β(H)-diasterane-20R
e:	C-30 5α(H),14α(H),17α-sterane-20S
f:	C-30 5α(H),14β(H),17β-sterane-20R
g:	C-30 5α(H),14β(H),17β-sterane-20S
h:	C-30 5α(H),14α(H),17α-sterane-20R
29a:	C-29 13β(H),17α(H)-diasterane-20S
b:	C-29 13β(H),17α(H)-diasterane-20R
c:	C-29 13α(H),17β(H)-diasterane-20S
d:	C-29 13α(H),17β(H)-diasterane-20R
e:	C-29 5α(H),14α(H),17α-sterane-20S
f:	C-29 5α(H),14β(H),17β-sterane-20R
g:	C-29 5α(H),14β(H),17β-sterane-20S
h:	C-29 5α(H),14α(H),17α-sterane-20R
28a:	C-28 13β(H),17α(H)-diasterane-20S
28aa:	C-28 ?-diasterane-20S
b:	C-28 13β(H),17α(H)-diasterane-20R
28bb:	C-28 ?-diasterane-20R
c:	C-28 13α(H),17β(H)-diasterane-20S
d:	C-28 13α(H),17β(H)-diasterane-20R
e:	C-28 5α(H),14α(H),17α-sterane-20S
f:	C-28 5α(H),14β(H),17β-sterane-20R
g:	C-28 5α(H),14β(H),17β-sterane-20S
h:	C-28 5α(H),14α(H),17α-sterane-20R
27a:	C-27 13β(H),17α(H)-diasterane-20S
b:	C-27 13β(H),17α(H)-diasterane-20R
c:	C-27 13α(H),17β(H)-diasterane-20S
d:	C-27 13α(H),17β(H)-diasterane-20R
e:	C-27 5α(H),14α(H),17α-sterane-20S
f:	C-27 5α(H),14β(H),17β-sterane-20R
g:	C-27 5α(H),14β(H),17β-sterane-20S
h:	C-27 5α(H),14α(H),17α-sterane-20R

0	Depth start int.	1 Depth end int.	2 Sample type	3 Lith.	4 Well	5 Geochem job #	6 MS-file	7 26Y 360-191/2	8 26YY 360-191/2	9 25Y 346-191	10 24Y 332-191/1
1	1839.00	1839.00	SWC	MUDST	7219/9-1	REP	AS19128	0.10	0.07	0.01	0.23
2	1839.00	1839.00	SWC	MUDST	7219/9-1	1708	AS20058	0.92	0.70	1.70	1.84
3	1853.50	1853.50	SWC	MUDST	7219/9-1	1708	AS20058	0.17	0.23	0.75	0.94
4	1862.00	1862.00	SWC	SL.CLYST	7219/9-1	1724	AS19058	0.38	0.34	0.45	0.99
5	1862.00	1862.00	SWC	SL.CLYST	7219/9-1	REP	AS22128	0.47	0.48	0.55	1.49
6	1901.50	1901.50	SWC	CLYST	7219/9-1	1724	AS19058	0.17	0.22	0.38	0.50
7	1901.50	1901.50	SWC	CLYST	7219/9-1	REP	AS22128	0.25	0.18	0.31	0.36
8	1916.00	1916.00	SWC	MUDST	7219/9-1	REP	AS19128	0.01	0.01	0.01	0.01
9	1916.00	1916.00	SWC	MUDST	7219/9-1	1708	AS20058	0.19	0.26	0.62	1.00
10	1937.00	1937.00	CORE	MUDST	7219/9-1	REP	AS18128	0.01	0.01	0.01	0.01
11	1937.00	1937.00	CORE	MUDST	7219/9-1	1706	AS27058	0.05	0.04	0.14	0.10
12	1949.00	1949.00	CORE	SL.MUDST	7219/9-1	1706	AS02128	0.75	0.69	1.19	1.33
13	1951.00	1951.00	CORE	SST	7219/9-1	1706	AS02128	7.90	12.49	16.23	35.80
14	1953.00	1953.00	CORE	SST	7219/9-1	REP	AS18128	1.16	1.44	2.25	2.77
15	1953.00	1953.00	CORE	SST	7219/9-1	1706	AS27058	1.68	1.56	2.41	5.26
16	1957.00	1957.00	CORE	SST	7219/9-1	1706	AS02128	22.24	22.00	29.04	57.21
17	1960.00	1960.00	CORE	SST	7219/9-1	REP	AS18128	2.19	2.90	3.73	5.67
18	1960.00	1960.00	CORE	SST	7219/9-1	1706	AS27058	1.76	1.83	2.89	6.15
19	1963.00	1963.00	CORE	SST	7219/9-1	1706	AS02128	10.42	12.90	18.44	43.36
20	1966.00	1966.00	CORE	SST	7219/9-1	1706	AS02128	1.75	1.77	3.55	5.56
21	1972.00	1972.00	CORE	SST	7219/9-1	1706	AS02128	0.55	0.45	0.80	1.36
22	1982.00	1982.00	CORE	SST	7219/9-1	1706	AS02128	44.54	39.52	35.06	104.16
23	1986.00	1986.00	CORE	LMST	7219/9-1	1706	AS07128	0.26	0.29	0.53	0.53
24	1990.00	1990.00	CORE	SST	7219/9-1	1706	AS07128	5.00	7.49	9.45	14.94
25	1993.95	1993.95	CORE	SST	7219/9-1	REP	AS18128	1.70	1.68	2.69	2.55
26	1993.95	1993.95	CORE	SST	7219/9-1	1706	AS27058	2.10	2.15	3.67	8.59
27	1995.00	1995.00	CORE	SST	7219/9-1	1706	AS07128	9.43	10.40	13.73	28.59
28	1999.00	1999.00	CORE	SST	7219/9-1	1706	AS07128	33.35	28.81	24.03	67.98
29	2002.95	2002.95	CORE	SST	7219/9-1	1706	AS07128	8.82	9.18	13.39	31.98
30	2010.00	2010.00	CORE	SST	7219/9-1	REP	AS18128	1.60	2.10	2.41	4.44
31	2010.00	2010.00	CORE	SST	7219/9-1	1706	AS27058	1.20	1.06	1.57	2.96
32	2014.00	2014.00	CORE	SST	7219/9-1	1706	AS07128	3.62	4.71	6.17	9.39
33	2018.00	2018.00	CORE	SST	7219/9-1	1706	AS07128	20.12	13.28	18.67	34.42
34	2024.00	2024.00	CORE	SST	7219/9-1	1706	AS07128	3.44	4.85	5.90	8.10
35	2030.00	2030.00	CORE	SST	7219/9-1	REP	AS18128	0.60	0.41	0.63	0.83
36	2030.00	2030.00	CORE	SST	7219/9-1	1706	AS27058	1.47	1.32	2.16	3.84
37	2034.00	2034.00	CORE	SST	7219/9-1	1706	AS07128	2.05	2.41	3.10	3.15
38	2039.00	2039.00	CORE	SST	7219/9-1	1706	AS07128	5.55	7.18	9.26	19.29
39	2044.00	2044.00	CORE	SST	7219/9-1	REP	AS18128	2.14	2.83	4.18	5.90
40	2044.00	2044.00	CORE	SST	7219/9-1	1706	AS27058	2.44	2.37	4.15	8.40
41	2047.00	2047.00	CORE	SST	7219/9-1	1706	AS07128	6.07	8.19	10.80	23.40
42	2049.00	2049.00	CORE	SST	7219/9-1	1706	AS07128	24.06	14.40	18.49	26.79
43	2053.00	2053.00	CORE	SST	7219/9-1	1706	AS07128	4.75	5.96	7.85	15.53
44	2057.50	2057.50	CORE	SST	7219/9-1	1706	AS07128	14.42	10.62	12.95	28.50
45	2059.00	2059.00	CORE	SST	7219/9-1	1706	AS07128	15.21	11.59	14.44	29.39
46	2060.50	2060.50	CORE	SST	7219/9-1	1706	AS07128	1.23	1.01	2.61	2.48
47	2064.00	2064.00	CORE	SST	7219/9-1	1706	AS14128	0.37	0.34	0.48	0.65
48	2066.50	2066.50	CORE	SLST	7219/9-1	1706	AS07128	1.79	2.34	3.86	5.52
49	2067.00	2067.00	CORE	SST	7219/9-1	1706	AS14128	4.44	5.49	5.84	15.56
50	2069.00	2069.00	CORE	SST	7219/9-1	1706	AS07128	26.43	20.03	18.02	42.41
51	2073.00	2073.00	CORE	SST	7219/9-1	REP	AS18128	5.58	5.26	6.06	16.35
52	2073.00	2073.00	CORE	SST	7219/9-1	1706	AS27058	2.95	2.68	3.99	7.07
53	2076.00	2076.00	CORE	SST	7219/9-1	1706	AS07128	12.41	11.45	14.30	33.22
54	2080.00	2080.00	CORE	SST	7219/9-1	1706	AS07128	2.78	4.25	4.93	10.51

0 Depth start	int.	11 24X-Y 332-191/1	12 23Y 318-191	13 22Y 304-191	14 21Y 290-191	15 20Y 276-191	16 23a 316-217/1	17 23k 316-217/2	18 22a 302-217/1	19 22k 302-217/2
1	1839.00	0.61	0.54	0.10	0.47	0.30	0.22	0.07	0.31	0.22
2	1839.00	2.76	5.41	1.33	5.10	4.36	2.07	0.51	2.94	1.67
3	1853.50	0.55	2.13	0.48	0.97	1.44	0.74	0.18	1.57	1.02
4	1862.00	0.57	1.48	0.60	1.63	1.74	1.02	0.25	2.67	1.02
5	1862.00	0.76	2.75	0.28	2.48	2.88	1.48	0.20	4.19	1.78
6	1901.50	0.45	1.05	0.38	1.30	1.06	0.55	0.25	1.19	0.73
7	1901.50	0.38	1.27	0.15	1.09	1.16	0.48	0.20	0.97	0.62
8	1916.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
9	1916.00	1.98	1.84	0.51	1.19	1.74	0.56	0.35	1.27	0.89
10	1937.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
11	1937.00	0.29	0.40	0.16	0.27	0.46	0.01	0.01	0.01	0.01
12	1949.00	0.49	3.41	0.27	0.86	0.90	0.27	0.13	0.56	0.86
13	1951.00	10.51	54.11	13.02	39.81	14.87	27.58	5.67	72.17	39.02
14	1953.00	2.50	6.95	4.91	7.83	5.90	4.74	1.27	15.67	7.05
15	1953.00	1.93	7.29	3.66	7.11	5.74	5.25	0.84	11.19	5.60
16	1957.00	17.39	71.09	29.36	74.65	44.36	63.01	11.21	144.96	82.85
17	1960.00	4.33	11.55	7.86	12.49	7.95	9.02	1.74	25.04	11.59
18	1960.00	2.12	8.07	4.81	7.85	6.27	6.59	0.81	13.73	5.96
19	1963.00	15.64	57.67	20.53	51.99	19.18	39.98	8.22	97.49	56.31
20	1966.00	2.94	15.20	5.90	14.32	12.07	9.39	1.67	33.48	13.81
21	1972.00	0.89	2.41	0.60	1.66	2.22	1.26	0.32	4.05	2.21
22	1982.00	34.72	75.66	49.35	92.62	69.54	84.44	12.80	187.77	130.35
23	1986.00	0.62	1.78	0.23	0.66	0.65	0.30	0.12	0.63	0.53
24	1990.00	9.97	30.69	7.29	23.59	5.41	16.23	3.65	42.96	23.26
25	1993.95	2.41	7.76	4.25	7.57	6.22	4.59	0.81	15.95	6.78
26	1993.95	2.03	11.53	7.34	8.01	3.80	10.04	0.55	21.78	8.59
27	1995.00	20.27	40.33	17.95	48.09	26.55	41.09	6.50	98.24	50.13
28	1999.00	33.95	48.93	29.96	59.37	37.22	62.11	7.77	132.90	68.79
29	2002.95	19.25	38.96	17.89	44.05	25.67	33.32	3.62	79.72	43.44
30	2010.00	2.84	10.79	5.53	10.52	6.17	6.99	0.98	22.34	9.56
31	2010.00	0.96	4.08	1.84	3.37	2.69	2.60	0.46	6.12	2.47
32	2014.00	7.83	20.10	6.61	17.46	8.06	15.07	2.76	38.65	18.41
33	2018.00	28.44	43.32	22.36	48.99	28.42	51.15	5.28	107.90	58.39
34	2024.00	7.72	21.12	5.69	16.92	8.93	12.99	2.60	33.63	16.64
35	2030.00	0.75	2.31	1.31	2.23	1.62	1.46	0.48	4.84	2.19
36	2030.00	1.52	5.10	2.70	4.86	3.83	4.08	0.62	7.84	3.98
37	2034.00	4.00	9.42	3.40	9.01	6.77	7.41	1.44	23.51	9.12
38	2039.00	13.48	32.00	12.56	33.80	13.48	26.23	4.52	68.33	30.79
39	2044.00	3.73	15.56	6.31	13.86	6.43	7.98	1.24	26.27	13.07
40	2044.00	2.21	11.42	7.48	9.58	5.43	8.97	0.51	23.04	8.94
41	2047.00	19.31	34.66	18.95	42.65	27.98	35.48	6.06	88.28	44.93
42	2049.00	23.54	29.04	8.99	10.14	8.88	32.98	7.52	38.77	32.36
43	2053.00	11.77	30.58	10.50	29.63	11.04	21.03	3.90	60.36	26.47
44	2057.50	21.01	35.88	20.85	44.95	29.45	44.01	5.76	98.60	48.23
45	2059.00	21.09	36.42	21.88	46.92	30.80	46.61	7.03	101.56	50.49
46	2060.50	2.53	7.57	1.75	4.92	3.09	2.70	1.29	6.64	4.20
47	2064.00	0.92	1.51	1.44	1.85	1.29	1.36	0.29	4.45	1.52
48	2066.50	7.91	15.87	5.95	21.95	9.02	10.91	2.54	38.57	21.40
49	2067.00	8.98	22.45	10.89	26.18	10.02	20.15	2.72	60.26	27.18
50	2069.00	28.63	34.75	15.29	18.17	19.08	37.34	6.97	69.27	45.58
51	2073.00	7.82	22.83	15.93	27.05	9.60	19.30	2.21	55.87	24.35
52	2073.00	2.19	9.57	5.49	8.20	7.37	7.33	0.52	16.16	6.85
53	2076.00	26.16	41.25	17.32	49.13	32.48	46.42	6.33	114.01	57.02
54	2080.00	8.17	20.37	5.69	19.59	6.57	14.37	2.49	46.20	18.77

0	Depth start	int.	20 21a 288-217/1	21 21k 288-217/2	22 33A 454-191/1	23 33B 454-191/2	24 32A 440-191/1	25 32B 440-191/2	26 31A 426-191/1	27 31B 426-191/2
1	1839.00		0.43	0.48	2.20	0.93	5.46	2.99	18.19	9.83
2	1839.00		3.87	4.26	20.00	11.81	36.50	23.76	79.25	50.96
3	1853.50		1.90	2.32	0.92	0.61	1.39	1.02	3.08	2.11
4	1862.00		2.79	3.60	1.50	0.85	2.29	1.28	3.61	2.09
5	1862.00		4.20	6.82	2.99	1.26	5.77	3.08	10.71	6.15
6	1901.50		1.50	1.75	0.83	0.46	1.42	0.98	3.54	2.38
7	1901.50		1.48	1.29	1.88	0.97	3.25	1.62	10.72	6.25
8	1916.00		0.01	0.01	0.01	0.01	0.72	0.60	2.97	2.02
9	1916.00		1.23	1.85	4.22	2.74	7.60	5.65	26.29	14.55
10	1937.00		0.01	0.01	0.01	0.01	0.95	0.58	2.09	1.52
11	1937.00		0.01	0.01	1.10	0.73	2.68	1.78	7.86	5.37
12	1949.00		0.68	1.75	1.22	0.92	2.54	1.46	5.66	3.84
13	1951.00		34.13	81.94	49.64	33.90	98.45	63.81	151.34	102.61
14	1953.00		10.22	19.89	5.25	4.36	15.70	8.74	31.07	19.04
15	1953.00		7.82	9.98	0.96	0.51	2.55	1.53	6.04	3.74
16	1957.00		98.54	161.64	80.66	57.85	152.62	102.73	240.46	158.87
17	1960.00		14.62	32.63	12.09	7.05	33.59	18.47	55.78	38.05
18	1960.00		9.41	10.55	0.87	0.48	2.04	1.31	5.13	2.99
19	1963.00		53.69	116.42	51.70	36.61	108.32	73.97	176.50	119.08
20	1966.00		17.70	39.84	16.96	9.19	38.87	23.94	65.25	39.59
21	1972.00		3.32	5.86	2.22	1.35	4.83	2.55	8.70	5.45
22	1982.00		147.71	208.83	93.15	64.16	176.47	119.58	283.09	171.84
23	1986.00		0.57	1.02	1.21	0.74	3.20	1.88	6.98	3.88
24	1990.00		19.40	53.33	28.41	15.95	61.75	34.37	91.67	67.16
25	1993.95		9.64	20.92	6.85	4.82	16.55	9.85	31.05	20.55
26	1993.95		10.66	17.89	0.52	0.29	1.08	0.68	2.71	1.70
27	1995.00		60.31	101.44	54.01	38.24	103.64	70.10	166.88	110.93
28	1999.00		98.80	125.99	81.17	56.76	156.14	103.84	233.74	153.30
29	2002.95		50.17	89.45	66.39	50.74	113.87	82.51	190.41	131.22
30	2010.00		12.24	29.74	11.84	7.39	32.85	15.95	57.12	38.59
31	2010.00		3.59	5.34	1.29	0.84	3.17	2.05	6.38	4.24
32	2014.00		18.50	42.51	26.75	16.71	60.94	34.56	92.21	66.77
33	2018.00		75.98	109.93	63.86	47.59	124.49	84.27	191.46	122.69
34	2024.00		18.98	39.65	20.66	12.14	50.01	28.44	78.01	56.29
35	2030.00		3.15	7.09	2.62	1.93	6.73	3.97	14.02	8.68
36	2030.00		5.37	7.45	1.26	0.66	2.78	1.84	6.21	4.11
37	2034.00		12.74	23.70	13.60	8.47	33.54	20.69	55.21	38.30
38	2039.00		33.35	66.61	39.59	26.24	82.42	53.56	127.65	85.27
39	2044.00		13.08	38.44	14.42	7.71	39.24	18.59	66.30	44.83
40	2044.00		12.18	20.08	0.66	0.28	1.55	0.88	3.84	2.42
41	2047.00		53.54	91.90	50.92	35.15	95.53	65.16	151.73	98.89
42	2049.00		26.15	38.30	65.23	45.32	124.89	81.42	187.14	121.89
43	2053.00		27.12	62.99	34.81	22.45	73.79	48.24	120.32	79.74
44	2057.50		73.55	89.87	57.86	38.96	111.34	73.00	168.50	102.74
45	2059.00		75.61	93.07	55.11	38.18	108.63	74.98	164.14	103.06
46	2060.50		5.04	9.64	7.49	4.94	14.21	9.09	27.01	16.93
47	2064.00		2.40	4.82	1.52	1.27	3.75	2.70	8.20	5.06
48	2066.50		20.24	53.27	39.98	27.42	86.09	61.73	150.91	101.98
49	2067.00		27.45	74.52	34.29	22.35	75.78	46.77	121.39	77.65
50	2069.00		48.13	54.41	68.62	46.73	129.42	84.83	193.64	127.33
51	2073.00		26.88	64.72	31.15	19.44	68.16	42.52	112.55	70.97
52	2073.00		11.53	12.76	0.64	0.39	1.83	1.03	5.05	3.04
53	2076.00		78.07	119.59	66.39	44.75	130.56	87.79	200.98	126.08
54	2080.00		16.33	54.56	32.81	18.96	71.57	42.75	109.82	76.83

0	Depth start	int.	28 31C 426-191/3	29 31D 426-191/4	30 30F 412-191	31 30A 412-191	32 30H 412-191	33 30C 412-191	34 29N 398-191	35 29A 398-191	36 29F 398-191
1	1839.00		1.06	1.57	0.75	60.60	1.28	3.99	0.38	40.06	7.35
2	1839.00		4.66	8.59	5.54	208.82	10.09	26.28	2.61	141.46	44.80
3	1853.50		0.34	0.20	0.38	6.72	0.23	0.58	0.68	6.01	2.14
4	1862.00		0.45	0.32	0.81	10.60	0.11	0.79	1.49	8.36	3.80
5	1862.00		0.37	0.43	1.85	57.19	0.31	1.83	2.89	34.34	16.15
6	1901.50		0.15	0.60	0.57	7.01	0.19	1.22	0.56	5.96	2.81
7	1901.50		0.39	1.25	0.88	27.95	0.55	2.77	0.83	21.78	1.99
8	1916.00		0.43	0.71	0.21	4.30	0.20	0.90	0.58	0.80	3.26
9	1916.00		1.70	6.19	1.64	38.35	1.20	6.95	0.55	34.55	3.50
10	1937.00		0.42	0.71	0.45	4.28	0.25	0.82	0.43	4.20	0.50
11	1937.00		0.43	2.09	0.41	10.28	0.10	2.94	0.16	10.25	0.30
12	1949.00		0.39	0.68	0.87	15.44	0.49	1.15	2.89	10.89	2.66
13	1951.00		0.90	0.84	60.45	479.11	18.17	40.92	41.00	258.02	108.73
14	1953.00		1.61	1.38	10.06	115.76	2.38	5.42	3.97	56.15	19.58
15	1953.00		0.21	0.37	3.15	32.73	0.70	1.39	1.73	17.66	8.23
16	1957.00		17.68	19.64	101.84	675.20	21.98	67.13	60.41	351.31	167.46
17	1960.00		3.56	3.28	22.04	187.43	4.78	10.54	9.46	96.36	39.88
18	1960.00		0.30	0.28	2.83	28.61	0.50	1.16	1.63	15.64	7.64
19	1963.00		12.29	12.85	66.64	516.13	15.33	44.91	34.35	285.53	121.86
20	1966.00		3.55	3.57	20.72	217.78	4.66	12.82	9.83	108.23	44.19
21	1972.00		0.56	0.46	2.45	42.71	0.90	1.98	1.28	20.51	5.91
22	1982.00		27.74	33.70	121.69	711.20	24.41	77.84	53.65	356.04	260.77
23	1986.00		0.50	0.60	0.30	25.30	0.32	1.19	1.15	12.89	1.80
24	1990.00		6.72	5.94	35.97	285.79	8.18	20.05	27.27	154.27	61.62
25	1993.95		1.94	1.80	10.86	108.32	2.40	5.75	5.84	58.06	21.28
26	1993.95		0.17	0.23	1.73	13.89	0.22	0.63	1.06	8.99	4.47
27	1995.00		12.75	16.42	71.54	479.53	15.90	43.35	26.49	256.94	116.90
28	1999.00		23.94	29.72	98.36	583.10	21.88	62.62	42.12	292.32	197.71
29	2002.95		13.56	20.07	66.99	574.11	21.38	54.40	18.71	292.96	122.57
30	2010.00		2.30	1.98	21.08	191.01	3.39	9.22	6.72	97.23	40.18
31	2010.00		0.48	0.51	3.05	30.53	0.59	1.57	1.65	15.27	7.09
32	2014.00		7.05	6.03	35.86	285.67	7.34	21.12	14.64	145.32	60.97
33	2018.00		16.37	19.96	82.86	496.01	17.12	51.28	33.78	266.89	126.82
34	2024.00		6.11	4.94	30.38	242.30	6.72	16.68	15.78	124.21	51.05
35	2030.00		0.50	0.77	3.37	66.74	0.80	2.26	1.74	33.13	8.98
36	2030.00		0.52	0.42	2.94	29.38	0.51	1.70	1.59	15.06	7.01
37	2034.00		3.50	3.55	19.03	175.45	3.44	10.69	7.40	87.31	32.84
38	2039.00		9.34	9.35	51.61	380.36	11.04	32.37	21.40	197.82	85.15
39	2044.00		2.36	2.97	21.75	212.24	3.90	11.36	12.64	116.63	43.23
40	2044.00		0.29	0.26	2.06	17.88	0.46	0.87	1.32	11.20	5.44
41	2047.00		12.05	12.35	61.06	436.61	13.02	37.76	23.84	225.08	103.26
42	2049.00		16.19	22.52	79.18	481.70	16.13	48.18	39.32	253.21	152.28
43	2053.00		7.98	7.40	47.20	373.06	8.78	27.91	17.24	189.24	81.84
44	2057.50		9.53	14.20	72.55	446.07	13.12	43.87	23.61	227.33	110.43
45	2059.00		14.39	16.99	72.72	433.27	12.19	42.45	26.89	216.17	122.33
46	2060.50		1.84	2.35	6.65	87.75	2.72	5.04	3.75	49.59	14.02
47	2064.00		0.60	0.89	2.44	39.09	0.60	1.40	1.31	17.61	4.99
48	2066.50		7.99	19.55	30.92	332.03	15.37	39.51	11.41	147.88	63.39
49	2067.00		6.01	6.58	46.34	362.81	7.57	25.30	17.54	188.66	83.91
50	2069.00		16.99	25.24	79.97	488.97	17.87	51.30	35.62	239.30	160.52
51	2073.00		5.57	6.26	44.75	333.93	8.33	23.51	16.05	176.24	79.05
52	2073.00		0.36	0.35	2.76	27.83	0.53	0.99	1.62	15.98	8.01
53	2076.00		16.36	17.80	82.24	524.03	15.03	50.62	31.54	278.86	131.95
54	2080.00		6.81	6.32	39.38	348.56	7.92	24.75	13.34	174.85	69.89

0 Depth start	int.	37 29C 398-191	38 28A 384-191	39 28N 384-191	40 27F 370-191	41 27A 370-191	42 30a 414-217	43 30b 414-217	44 30c 414-217	45 30d 414-217	46 30e 414-217
1	1839.00	3.12	0.01	0.01	4.62	6.57	0.01	0.01	0.01	0.01	0.01
2	1839.00	20.65	0.53	0.20	32.75	37.75	1.46	1.30	0.41	0.36	1.44
3	1853.50	0.52	0.35	0.33	2.47	1.76	0.01	0.01	0.01	0.01	0.01
4	1862.00	0.58	0.38	0.64	3.98	1.74	0.73	0.53	0.19	0.11	0.18
5	1862.00	1.39	0.41	0.83	9.93	4.23	0.99	0.63	0.24	0.15	0.33
6	1901.50	0.69	0.28	0.37	1.05	3.44	0.41	0.28	0.19	0.20	0.30
7	1901.50	1.45	0.20	0.22	1.61	8.77	0.49	0.43	0.19	0.12	0.20
8	1916.00	0.38	0.01	0.01	0.51	2.25	0.01	0.01	0.01	0.01	0.01
9	1916.00	5.60	0.47	0.18	3.20	20.81	0.01	0.01	0.01	0.01	0.01
10	1937.00	0.67	0.01	0.01	0.16	2.67	0.01	0.01	0.01	0.01	0.01
11	1937.00	2.11	0.01	0.01	0.33	7.96	0.01	0.01	0.01	0.01	0.01
12	1949.00	0.85	1.01	0.94	2.85	4.01	0.01	0.01	0.01	0.01	0.01
13	1951.00	19.63	12.37	9.21	123.98	91.82	25.81	20.19	10.33	5.52	10.24
14	1953.00	2.31	1.59	1.21	26.34	10.90	3.55	2.38	1.58	0.87	1.38
15	1953.00	1.09	0.92	0.58	11.78	7.89	2.85	1.76	0.71	0.42	0.47
16	1957.00	30.63	16.62	14.25	166.40	129.54	50.26	38.13	19.35	10.79	19.68
17	1960.00	4.47	2.89	2.11	45.99	26.92	7.84	5.81	3.62	1.74	3.22
18	1960.00	0.93	0.80	0.54	11.68	7.70	3.14	1.72	0.66	0.32	0.55
19	1963.00	22.39	12.14	8.34	137.34	104.06	35.09	26.96	14.14	9.15	13.39
20	1966.00	5.80	2.73	2.16	54.13	27.23	7.25	5.77	2.88	1.93	3.56
21	1972.00	0.74	0.40	0.36	7.65	4.24	1.04	0.92	0.30	0.36	0.47
22	1982.00	38.73	20.77	13.98	175.61	134.52	64.71	52.75	30.57	16.38	27.51
23	1986.00	0.76	0.59	0.47	2.07	4.42	0.01	0.01	0.01	0.01	0.01
24	1990.00	11.29	7.04	7.22	73.78	47.83	14.51	11.20	6.66	3.98	6.66
25	1993.95	2.65	1.83	1.78	25.04	13.10	3.58	3.15	1.60	1.01	1.51
26	1993.95	0.34	0.46	0.47	8.26	5.21	2.11	1.25	0.49	0.22	0.30
27	1995.00	19.55	9.26	7.64	106.52	83.75	32.84	25.79	14.21	6.86	12.62
28	1999.00	30.40	15.53	12.37	131.97	103.62	52.52	42.70	24.41	13.85	22.03
29	2002.95	28.56	9.96	4.85	111.28	89.43	26.51	20.87	11.36	6.13	13.60
30	2010.00	3.87	1.27	1.48	44.46	25.95	7.16	4.88	2.11	1.09	2.24
31	2010.00	1.09	0.89	0.58	9.48	6.12	2.23	1.50	0.81	0.43	0.60
32	2014.00	9.33	4.24	3.66	69.36	44.72	14.57	10.54	6.29	3.10	5.76
33	2018.00	25.01	11.43	10.12	115.32	92.35	40.10	32.91	18.36	9.85	16.75
34	2024.00	6.08	4.50	4.05	61.45	38.29	10.57	6.98	4.39	1.57	4.35
35	2030.00	1.27	0.51	0.44	11.99	5.20	1.46	1.18	0.58	0.43	0.78
36	2030.00	1.26	0.88	0.59	10.12	6.88	2.83	1.80	0.71	0.42	0.71
37	2034.00	3.89	1.98	1.87	38.87	22.72	6.97	4.55	2.65	1.55	2.74
38	2039.00	15.53	5.63	5.49	89.86	66.22	22.96	17.90	9.67	5.38	8.77
39	2044.00	4.64	2.94	2.38	49.35	31.40	7.29	4.44	2.53	1.00	2.66
40	2044.00	0.78	0.65	0.54	9.76	6.53	2.51	1.62	0.47	0.36	0.29
41	2047.00	18.30	7.36	5.35	99.31	79.76	26.95	22.39	10.82	5.21	11.62
42	2049.00	23.78	13.11	10.74	101.16	89.61	39.95	31.30	18.87	9.43	16.11
43	2053.00	12.43	5.82	4.02	83.72	62.00	17.21	13.46	7.96	3.55	7.16
44	2057.50	16.02	8.01	7.34	99.53	79.10	36.17	25.48	13.80	7.62	12.89
45	2059.00	19.85	7.38	7.26	97.87	78.30	35.66	27.68	14.52	8.61	13.07
46	2060.50	3.42	0.96	0.69	15.41	10.22	3.08	2.31	1.69	1.02	1.76
47	2064.00	0.69	0.48	0.46	5.88	2.90	1.33	1.01	0.43	0.35	0.51
48	2066.50	11.86	4.19	3.50	62.62	41.49	4.27	3.22	2.47	1.65	2.33
49	2067.00	9.88	4.50	3.58	75.39	55.85	18.31	13.73	6.48	3.33	6.18
50	2069.00	24.96	11.88	9.96	105.41	89.12	41.05	35.28	17.26	10.15	15.58
51	2073.00	10.26	3.29	2.65	71.75	56.51	18.38	12.96	6.17	2.55	5.11
52	2073.00	1.02	0.82	0.62	12.54	8.40	3.74	2.23	0.79	0.48	0.50
53	2076.00	21.44	8.78	8.06	119.23	92.79	37.25	26.73	13.96	7.76	14.30
54	2080.00	10.53	4.11	3.88	80.74	51.50	14.52	10.31	5.79	2.79	5.42

0	Depth start	int.	47 30f 414-217	48 30g 414-217	49 30h 414-217	50 29a 400-217	51 29b 400-217	52 29c 400-217	53 29d 400-217	54 29e 400-217	55 29f 400-217	56 29g 400-217
1	1839.00		0.01	0.01	0.01	2.09	1.21	0.75	0.53	1.27	1.09	0.72
2	1839.00		0.58	1.08	2.72	17.51	9.80	5.33	3.68	12.14	9.12	8.50
3	1853.50		0.01	0.01	0.01	1.34	0.86	0.25	0.30	0.54	0.98	0.94
4	1862.00		0.33	0.35	0.22	4.71	3.19	1.21	0.74	0.74	1.20	1.12
5	1862.00		0.50	0.53	0.27	9.58	5.60	1.90	1.18	1.09	2.43	2.19
6	1901.50		0.37	0.32	0.45	2.68	1.68	0.80	0.40	0.96	0.66	0.67
7	1901.50		0.20	0.20	0.23	4.52	2.15	1.17	0.48	0.96	1.08	0.99
8	1916.00		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
9	1916.00		0.01	0.01	0.01	3.57	2.29	1.03	0.85	2.05	1.67	1.36
10	1937.00		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
11	1937.00		0.01	0.01	0.01	0.44	0.23	0.19	0.18	0.27	0.24	0.15
12	1949.00		0.01	0.01	0.01	3.58	1.90	0.87	1.10	1.44	2.81	2.71
13	1951.00		17.94	20.02	12.41	176.67	108.24	60.21	49.74	70.88	99.80	98.50
14	1953.00		2.00	2.73	1.57	41.01	19.96	7.14	5.25	7.98	18.47	16.68
15	1953.00		0.95	1.02	0.63	22.66	12.85	4.56	3.61	4.73	7.10	6.27
16	1957.00		32.27	40.11	23.78	267.17	241.82	89.93	73.30	102.85	152.61	143.64
17	1960.00		4.99	6.23	2.84	68.08	39.50	19.07	12.21	20.94	37.44	30.86
18	1960.00		0.99	1.02	0.51	24.02	13.56	4.66	3.54	4.28	6.44	5.56
19	1963.00		22.31	26.42	14.79	199.73	132.22	69.62	54.77	76.48	116.67	109.69
20	1966.00		4.80	6.00	3.71	71.54	44.83	19.42	12.98	24.41	41.43	36.69
21	1972.00		0.56	0.77	0.40	11.85	5.69	2.60	1.78	2.45	5.90	4.37
22	1982.00		41.72	51.44	34.89	328.05	302.51	98.36	83.48	127.18	177.40	171.82
23	1986.00		0.01	0.01	0.01	1.89	0.86	0.47	0.70	0.73	1.84	1.78
24	1990.00		10.89	11.61	6.40	102.35	64.14	34.67	24.32	40.71	65.73	57.62
25	1993.95		2.47	2.71	1.30	39.41	18.56	8.60	6.47	10.68	20.75	17.84
26	1993.95		0.54	0.55	0.29	18.92	10.26	3.29	2.18	2.41	4.14	3.36
27	1995.00		20.45	23.76	14.71	190.78	161.73	65.39	51.56	68.90	106.15	98.47
28	1999.00		34.32	41.92	29.45	286.62	245.89	88.72	70.84	105.03	149.77	141.91
29	2002.95		18.11	22.23	18.05	190.62	165.77	63.59	53.40	102.25	124.13	104.24
30	2010.00		3.92	4.78	2.37	65.57	37.65	17.62	10.55	18.95	35.29	28.39
31	2010.00		0.97	0.90	0.54	14.36	9.89	3.45	2.76	3.72	5.81	4.95
32	2014.00		9.78	10.84	6.40	102.51	62.83	33.35	21.60	37.15	60.30	50.72
33	2018.00		26.66	33.12	20.78	232.16	211.49	74.03	58.22	81.74	120.76	113.20
34	2024.00		6.88	8.41	4.56	83.81	50.47	24.88	17.50	30.66	51.53	44.30
35	2030.00		0.97	1.27	0.75	17.57	6.50	3.37	2.26	3.15	7.81	6.48
36	2030.00		1.05	1.12	0.53	16.18	10.72	3.90	3.13	3.93	6.06	5.22
37	2034.00		4.51	5.15	2.99	63.48	37.32	16.76	11.23	20.29	37.19	31.13
38	2039.00		15.24	16.71	9.93	142.16	91.80	50.05	37.07	53.40	79.54	73.72
39	2044.00		4.21	4.61	2.49	68.95	37.17	19.75	13.74	23.24	40.58	34.66
40	2044.00		0.62	0.79	0.41	20.46	11.21	3.82	2.96	3.22	5.02	4.28
41	2047.00		18.44	19.95	12.18	157.44	123.55	53.77	39.88	58.44	88.69	84.36
42	2049.00		26.63	31.86	22.26	220.84	203.57	70.86	59.55	83.07	121.72	115.75
43	2053.00		10.83	11.96	8.16	126.20	78.28	42.70	29.12	47.46	71.15	65.46
44	2057.50		20.07	25.51	15.69	208.54	187.97	67.77	49.51	68.84	105.02	97.47
45	2059.00		19.60	24.75	15.54	201.94	181.52	65.64	50.37	71.39	106.31	97.18
46	2060.50		2.86	2.79	1.73	27.09	12.04	7.49	5.52	8.16	13.67	12.78
47	2064.00		0.89	0.99	0.51	13.50	6.27	2.82	1.92	3.21	5.17	4.18
48	2066.50		4.04	3.82	2.20	51.50	26.77	13.72	9.23	17.51	31.20	27.75
49	2067.00		10.78	13.68	7.51	136.50	111.49	42.59	30.53	46.42	74.23	69.84
50	2069.00		24.88	32.27	20.99	223.75	207.97	72.42	57.13	82.17	121.41	115.73
51	2073.00		9.75	13.04	6.07	134.23	120.24	41.37	30.06	41.68	69.47	62.62
52	2073.00		1.00	1.07	0.56	27.35	14.94	5.18	3.77	4.65	6.49	5.48
53	2076.00		23.63	28.43	17.48	225.65	207.05	68.95	53.44	78.12	122.27	115.27
54	2080.00		9.83	9.98	5.99	117.74	71.87	35.26	24.27	41.79	66.91	58.61

0	Depth start	int.	57 29h 400-217	58 28a 386-217	59 28aa 386-217	60 28b 386-217	61 28bb 386-217	62 28c 386-217	63 28d 386-217	64 28e 386-217	65 28f 386-217	66 28g 386-217
1	1839.00		1.83	0.64	0.67	0.49	0.49	0.20	0.35	0.89	0.81	0.90
2	1839.00		21.85	6.68	6.61	6.32	6.32	2.86	3.45	6.38	5.78	4.03
3	1853.50		0.54	0.85	0.80	0.79	0.79	0.26	0.34	0.33	0.65	0.51
4	1862.00		0.53	1.47	1.70	1.43	1.43	0.60	0.74	0.23	0.79	0.73
5	1862.00		1.07	2.96	3.16	2.29	2.29	0.74	0.58	0.43	1.49	1.21
6	1901.50		0.79	0.95	1.05	1.02	1.02	0.49	0.58	0.40	0.54	0.43
7	1901.50		1.35	1.29	1.39	1.26	1.26	0.48	0.40	0.31	0.58	0.52
8	1916.00		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
9	1916.00		2.39	1.24	0.98	0.99	0.99	0.35	0.51	0.78	1.09	0.99
10	1937.00		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
11	1937.00		0.30	0.13	0.16	0.15	0.15	0.08	0.13	0.12	0.13	0.16
12	1949.00		1.87	1.29	1.35	1.18	1.18	0.44	0.78	0.87	2.25	1.97
13	1951.00		60.36	62.96	73.50	66.18	66.18	25.02	23.95	18.55	71.70	62.85
14	1953.00		8.66	12.37	15.13	11.35	11.35	3.66	3.62	1.68	9.10	7.21
15	1953.00		4.17	7.94	8.80	8.64	8.64	2.85	2.95	1.73	4.51	3.80
16	1957.00		70.16	101.40	84.87	99.33	99.33	43.01	50.41	35.91	105.63	91.11
17	1960.00		15.40	22.56	25.55	21.90	21.90	7.21	6.12	5.04	17.80	16.36
18	1960.00		3.60	8.50	9.71	9.36	9.36	3.03	2.97	1.56	4.34	3.60
19	1963.00		63.72	76.75	74.95	75.78	75.78	33.80	32.41	23.25	79.43	68.41
20	1966.00		22.78	24.76	34.19	25.72	25.72	6.22	5.98	2.13	22.06	18.83
21	1972.00		2.20	3.96	4.04	2.80	2.80	0.95	0.94	0.84	2.46	2.57
22	1982.00		76.24	101.89	90.11	126.40	126.40	56.59	66.74	45.80	107.49	95.68
23	1986.00		1.04	0.64	0.94	0.60	0.60	0.24	0.38	0.52	0.99	1.14
24	1990.00		34.66	35.84	44.22	39.06	39.06	13.25	13.49	13.17	41.79	37.45
25	1993.95		8.91	12.28	15.99	11.74	11.74	3.89	3.78	2.83	11.73	10.13
26	1993.95		1.81	7.67	8.56	7.91	7.91	2.67	2.28	1.09	2.88	2.25
27	1995.00		49.89	70.05	59.41	67.75	67.75	30.38	32.10	19.04	68.69	60.54
28	1999.00		64.67	96.85	66.28	95.62	95.62	45.92	54.34	36.10	90.82	75.63
29	2002.95		111.03	79.95	59.90	67.73	67.73	31.22	33.11	30.20	77.98	64.28
30	2010.00		15.59	18.49	24.46	19.71	19.71	5.68	4.64	4.10	17.56	14.12
31	2010.00		3.35	5.64	5.99	5.89	5.89	1.81	1.93	1.41	3.13	3.17
32	2014.00		31.19	34.97	44.61	37.67	37.67	12.60	11.22	9.57	33.00	29.67
33	2018.00		50.67	85.26	59.98	77.31	77.31	35.75	42.25	27.26	77.55	67.94
34	2024.00		25.40	29.54	36.60	28.96	28.96	9.59	8.83	7.92	28.91	25.06
35	2030.00		2.52	4.73	5.67	3.99	3.99	0.85	1.21	0.86	3.59	3.39
36	2030.00		3.58	6.22	7.02	6.75	6.75	2.22	2.23	1.36	3.44	2.97
37	2034.00		16.73	21.25	27.38	19.91	19.91	6.59	5.62	4.58	17.99	14.56
38	2039.00		44.30	53.04	52.91	51.91	51.91	21.09	21.72	14.01	51.63	44.97
39	2044.00		20.36	20.54	25.14	20.88	20.88	6.27	5.71	5.29	21.31	18.59
40	2044.00		2.52	8.13	9.12	8.39	8.39	2.80	2.45	1.32	3.42	2.75
41	2047.00		45.32	50.79	58.87	56.04	56.04	25.37	26.22	16.18	56.82	47.53
42	2049.00		51.60	93.67	53.12	77.81	77.81	34.53	39.97	27.01	78.65	66.98
43	2053.00		34.26	43.93	46.75	45.99	45.99	16.03	15.60	10.87	46.13	38.66
44	2057.50		43.58	73.64	54.52	69.73	69.73	28.75	33.66	18.48	67.75	57.72
45	2059.00		43.73	73.25	55.43	69.33	69.33	29.70	33.93	18.47	68.31	59.37
46	2060.50		8.29	9.11	10.49	7.04	7.04	3.20	2.50	2.31	7.37	6.28
47	2064.00		1.86	3.42	4.99	2.73	2.73	0.68	0.62	1.05	2.38	2.49
48	2066.50		16.21	17.28	23.23	16.69	16.69	5.95	4.88	4.33	17.20	15.30
49	2067.00		28.92	43.86	36.53	44.34	44.34	14.76	17.07	10.06	46.16	41.18
50	2069.00		50.91	88.26	51.57	78.53	78.53	36.32	43.23	26.64	74.50	64.46
51	2073.00		33.81	52.87	34.88	41.15	41.15	16.08	17.94	9.67	41.18	35.34
52	2073.00		3.53	9.02	12.14	10.48	10.48	3.69	3.97	1.57	4.80	4.17
53	2076.00		49.36	83.86	60.71	73.35	73.35	32.73	35.86	21.55	77.83	67.17
54	2080.00		34.80	39.25	49.32	40.66	40.66	13.14	11.43	9.10	39.26	31.18

0	Depth start	int.	67 28h 386-217	68 27a 372-217	69 27b 372-217	70 27c 372-217	71 27d 372-217	72 27e 372-217	73 27f 372-217	74 27g 372-217	75 27h 372-217	76
1	1839.00		1.68	3.21	2.05	0.79	1.01	1.57	0.83	0.92	2.91	
2	1839.00		10.76	18.64	12.14	4.17	6.07	12.65	5.48	4.95	20.97	
3	1853.50		0.48	2.11	1.44	0.55	0.22	0.60	0.84	0.71	0.85	
4	1862.00		0.31	5.18	3.39	0.88	1.17	0.51	0.95	0.78	0.58	
5	1862.00		0.43	10.99	6.38	1.30	1.74	0.93	1.79	1.76	1.06	
6	1901.50		0.34	2.74	1.67	0.54	0.79	0.65	0.59	0.59	0.77	
7	1901.50		0.48	4.67	2.61	0.78	1.16	0.88	0.84	0.66	1.09	
8	1916.00		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
9	1916.00		1.08	3.51	2.58	0.78	0.98	1.86	1.19	1.08	2.04	
10	1937.00		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
11	1937.00		0.26	0.29	0.21	0.12	0.17	0.14	0.22	0.15	0.29	
12	1949.00		1.32	4.11	2.20	0.88	0.59	2.12	2.96	2.55	2.95	
13	1951.00		26.01	191.55	130.10	42.57	54.30	51.84	80.86	64.44	43.48	
14	1953.00		3.70	45.54	29.63	6.83	8.75	7.75	13.97	11.57	7.49	
15	1953.00		2.05	25.31	14.81	3.97	5.48	4.82	6.17	5.42	4.46	
16	1957.00		46.97	294.91	200.54	62.25	86.11	74.64	107.82	100.77	49.92	
17	1960.00		6.97	77.43	49.26	12.05	15.45	12.14	23.86	21.95	12.63	
18	1960.00		1.90	28.74	16.94	4.35	6.08	4.71	6.04	5.15	3.87	
19	1963.00		30.85	229.00	156.55	50.68	62.90	58.50	85.94	71.91	46.82	
20	1966.00		8.66	81.73	54.50	13.60	17.31	13.64	27.46	24.59	13.93	
21	1972.00		1.07	14.74	8.32	1.77	2.37	2.00	3.46	3.57	2.21	
22	1982.00		54.37	323.00	220.32	66.99	104.52	82.18	109.99	114.78	46.09	
23	1986.00		0.77	2.49	1.46	0.43	0.69	1.27	1.83	1.64	1.58	
24	1990.00		17.55	108.54	76.53	22.22	28.73	30.04	48.46	41.43	28.39	
25	1993.95		4.24	43.45	27.83	5.87	7.93	7.39	14.48	12.53	7.23	
26	1993.95		1.10	25.96	15.10	3.62	4.70	3.73	4.53	3.81	2.67	
27	1995.00		24.88	200.00	141.70	42.59	62.92	46.99	68.79	62.59	29.56	
28	1999.00		42.06	260.00	177.73	56.54	87.24	66.25	90.47	91.57	32.67	
29	2002.95		66.99	240.00	154.33	47.40	67.15	86.15	78.08	72.32	104.96	
30	2010.00		5.14	72.51	47.46	9.78	14.33	10.01	21.69	19.29	9.94	
31	2010.00		1.83	14.63	9.23	2.85	3.78	3.11	4.41	3.88	2.86	
32	2014.00		13.43	108.83	75.51	21.31	26.11	22.49	39.13	34.41	21.78	
33	2018.00		33.80	248.00	161.84	50.10	75.08	54.40	78.35	74.59	29.35	
34	2024.00		11.61	90.93	62.11	17.85	20.44	19.72	34.31	32.02	19.56	
35	2030.00		1.14	23.04	11.22	1.67	2.41	2.30	4.83	3.69	2.04	
36	2030.00		1.81	17.33	10.72	3.42	4.36	3.90	5.06	4.24	3.29	
37	2034.00		6.83	66.46	46.09	9.95	13.12	10.87	21.76	19.69	10.81	
38	2039.00		16.91	143.00	107.23	33.75	42.73	35.07	54.95	42.45	26.67	
39	2044.00		7.67	77.17	53.13	11.94	15.89	15.39	26.69	25.55	14.42	
40	2044.00		1.48	27.51	15.97	3.89	5.09	4.33	5.15	4.27	3.46	
41	2047.00		22.06	158.00	118.26	36.39	51.76	40.36	58.50	52.62	29.00	
42	2049.00		31.88	245.00	157.59	46.27	71.62	56.57	75.93	79.10	27.68	
43	2053.00		13.58	128.00	93.99	27.89	37.59	29.97	50.70	37.82	22.52	
44	2057.50		25.23	222.00	142.51	42.36	64.65	47.01	67.36	66.28	21.75	
45	2059.00		25.42	200.00	136.68	43.58	63.98	45.09	68.25	65.15	21.67	
46	2060.50		4.07	30.40	17.60	4.68	5.44	6.78	9.33	7.99	6.77	
47	2064.00		1.37	15.09	8.92	1.83	1.64	1.63	3.12	3.10	1.86	
48	2066.50		6.99	59.77	40.14	9.52	13.37	12.91	21.96	20.07	13.27	
49	2067.00		12.59	163.63	103.22	26.64	39.77	28.63	46.80	41.67	16.03	
50	2069.00		30.50	230.00	153.24	46.44	73.79	52.89	74.15	76.18	23.69	
51	2073.00		11.04	54.80	98.21	24.56	37.73	27.11	41.91	38.69	15.89	
52	2073.00		1.85	35.51	20.31	4.50	6.21	5.16	6.15	6.01	4.46	
53	2076.00		29.13	250.00	161.54	47.18	70.42	52.57	80.35	73.74	27.89	
54	2080.00		12.10	129.00	86.36	22.59	29.06	22.43	44.10	35.43	21.03	

0 Depth start	int.	77 24X 330-191
1	1839.00	0.78
2	1839.00	
3	1853.50	
4	1862.00	
5	1862.00	2.87
6	1901.50	
7	1901.50	1.36
8	1916.00	0.01
9	1916.00	
10	1937.00	0.01
11	1937.00	
12	1949.00	1.54
13	1951.00	42.17
14	1953.00	6.71
15	1953.00	
16	1957.00	64.79
17	1960.00	11.87
18	1960.00	
19	1963.00	54.28
20	1966.00	12.13
21	1972.00	2.18
22	1982.00	90.37
23	1986.00	1.15
24	1990.00	23.22
25	1993.95	6.68
26	1993.95	
27	1995.00	45.60
28	1999.00	67.56
29	2002.95	39.94
30	2010.00	10.24
31	2010.00	
32	2014.00	18.31
33	2018.00	58.15
34	2024.00	17.44
35	2030.00	1.91
36	2030.00	
37	2034.00	9.43
38	2039.00	30.74
39	2044.00	13.47
40	2044.00	
41	2047.00	39.98
42	2049.00	49.79
43	2053.00	28.23
44	2057.50	47.43
45	2059.00	47.81
46	2060.50	5.02
47	2064.00	1.37
48	2066.50	18.93
49	2067.00	21.88
50	2069.00	57.10
51	2073.00	27.27
52	2073.00	
53	2076.00	52.74
54	2080.00	18.44

0 Depth start int.	1 Depth end int.	2 Sample type	3 Lith.	4 Well	5 Geochem job #	6 MS-file	7 26Y 360-191/2	8 26YY 360-191/2	9 25Y 346-191	10 24Y 332-191/1
55 2085.00	2085.00	CORE	SST	7219/9-1	1706	AS07128	3.37	5.26	5.93	13.76
56 2090.50	2090.50	CORE	SST	7219/9-1	1706	AS07128	6.20	9.02	10.42	25.57
57 2095.00	2095.00	CORE	SST	7219/9-1	1706	AS07128	21.13	15.83	14.24	41.38
58 2097.00	2097.00	CORE	SST	7219/9-1	REP	AS18128	3.37	3.71	4.72	10.01
59 2097.00	2097.00	CORE	SST	7219/9-1	1706	AS27058	1.68	1.84	2.81	5.32
60 2099.00	2099.00	CORE	SST	7219/9-1	1706	AS07128	3.38	5.09	5.58	12.43
61 2105.75	2105.75	CORE	SST	7219/9-1	1706	AS07128	3.52	4.54	5.76	11.55
62 2109.75	2109.75	CORE	SST	7219/9-1	1706	AS07128	14.67	9.61	11.93	26.12
63 2144.00	2144.00	CORE	SST	7219/9-1	REP	AS18128	0.75	0.87	1.32	1.45
64 2144.00	2144.00	SWC	SST	7219/9-1	1724	AS19058	0.49	0.37	0.36	0.85
65 2293.75	2293.75	CORE	MUDST	7219/9-1	REP	AS18128	0.01	0.01	0.01	0.01
66 2293.75	2293.75	SWC	MUDST	7219/9-1	1724	AS20058	0.08	0.11	0.25	0.33
67 2311.00	2311.00	SWC	SST	7219/9-1	1724	AS20058	0.20	0.25	0.51	0.57
68 2561.00	2561.00	CORE	SL.MUDST	7219/9-1	REP	AS18128	0.01	0.01	0.01	0.20
69 2561.00	2561.00	SWC	SL.MUDST	7219/9-1	1724	AS20058	0.14	0.16	0.30	0.16
70 2683.00	2683.00	CORE	MUDST	7219/9-1	REP	AS18128	0.18	0.15	0.25	0.27
71 2683.00	2683.00	SWC	MUDST	7219/9-1	1724	AS20058	0.31	0.29	0.45	0.80
72 3803.00	3803.00	SWC	MUDST	7219/9-1	1724	AS27058	2.40	2.25	0.30	0.44
73 B1A						AS07128	1.30	1.35	2.99	2.81
74 B1B						AS07128	2.40	3.48	6.60	8.74
75 B1C						AS07128	0.90	0.76	1.92	1.83
76 B2A						AS18128	0.76	1.23	1.99	2.39
77 B2B						AS18128	0.49	0.41	0.68	0.60
78 B2C						AS18128	0.67	0.61	1.51	1.28
79 B3A						AS22128	0.66	0.45	1.01	0.71
80 C205						AS20058	1.23	1.16	2.79	3.46
81 C275						AS27058	0.42	0.45	0.90	1.24

0 Depth start	int.	11 24X-Y 332-191/1	12 23Y 318-191	13 22Y 304-191	14 21Y 290-191	15 20Y 276-191	16 23a 316-217/1	17 23k 316-217/2	18 22a 302-217/1	19 22k 302-217/2
55	2085.00	11.75	27.01	7.27	22.85	6.34	18.29	3.02	55.32	22.81
56	2090.50	16.99	36.79	9.64	31.44	8.31	25.04	3.84	69.23	31.81
57	2095.00	56.25	32.33	21.93	40.02	23.75	41.37	6.32	91.29	51.58
58	2097.00	5.02	17.64	9.75	17.45	6.13	11.94	1.34	37.33	13.56
59	2097.00	2.03	6.91	4.02	7.13	5.29	5.47	0.70	11.11	4.94
60	2099.00	19.97	21.47	6.18	16.54	4.55	14.95	2.73	47.09	20.15
61	2105.75	21.13	21.22	5.06	13.50	5.03	13.08	3.05	39.04	18.60
62	2109.75	43.20	32.80	18.02	37.88	16.63	39.80	5.80	87.73	47.26
63	2144.00	1.35	3.23	1.79	2.27	1.93	1.86	0.41	6.37	2.85
64	2144.00	0.30	1.07	0.36	0.76	0.60	0.84	0.23	1.45	0.85
65	2293.75	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
66	2293.75	2.06	0.64	0.25	0.43	2.53	0.01	0.01	0.26	0.31
67	2311.00	0.32	1.24	0.32	0.49	0.47	0.31	0.16	0.46	0.38
68	2561.00	0.46	0.29	0.01	0.01	0.42	0.01	0.01	0.01	0.01
69	2561.00	3.40	1.06	0.39	0.64	2.94	0.01	0.01	0.50	0.32
70	2683.00	0.14	0.64	0.01	0.28	0.40	0.01	0.01	0.01	0.01
71	2683.00	0.61	1.27	0.23	0.66	0.99	0.01	0.01	0.24	0.20
72	3803.00	0.15	0.95	0.18	0.23	0.21	0.01	0.01	0.18	0.22
73	B1A	2.94	7.25	1.91	6.55	6.04	8.66	2.85	22.59	18.55
74	B1B	6.86	15.78	4.68	14.87	10.09	21.34	5.92	42.61	40.02
75	B1C	2.05	4.62	1.92	4.21	3.73	5.05	1.61	14.05	10.39
76	B2A	2.20	4.94	2.20	2.19	7.09	4.26	1.52	14.36	11.25
77	B2B	0.40	1.26	0.55	1.05	0.96	1.19	0.47	3.30	2.93
78	B2C	1.08	3.61	1.80	3.30	2.76	3.80	1.47	11.60	9.63
79	B3A	0.32	2.35	0.37	1.28	1.09	1.37	0.20	3.81	2.86
80	C205	2.13	4.43	3.25	4.46	3.69	4.63	1.66	9.63	6.83
81	C275	0.52	1.58	0.98	1.46	1.44	1.82	0.67	4.07	2.99

0	Depth start	int.	20 21a 288-217/1	21 21k 288-217/2	22 33A 454-191/1	23 33B 454-191/2	24 32A 440-191/1	25 32B 440-191/2	26 31A 426-191/1	27 31B 426-191/2
55	2085.00		17.76	58.93	42.40	25.76	86.88	51.61	129.34	89.43
56	2090.50		27.86	76.02	55.62	36.68	112.81	72.03	173.76	113.20
57	2095.00		59.54	104.76	73.74	47.06	149.01	88.72	207.60	130.73
58	2097.00		12.34	40.46	27.38	14.93	59.18	31.81	95.23	62.40
59	2097.00		8.15	9.14	0.82	0.45	2.15	1.42	5.22	3.38
60	2099.00		14.23	56.63	42.32	27.87	83.28	55.20	130.43	85.40
61	2105.75		12.12	57.52	33.18	19.22	74.70	49.24	119.62	80.05
62	2109.75		52.62	101.74	58.88	39.57	120.04	81.19	185.01	119.10
63	2144.00		3.84	8.54	6.53	5.32	18.82	11.41	39.09	23.73
64	2144.00		1.35	1.60	1.01	0.72	1.57	1.14	2.96	1.87
65	2293.75		0.01	0.01	0.01	0.01	1.18	0.66	2.72	2.42
66	2293.75		0.21	0.34	2.15	1.35	5.68	4.20	11.86	8.31
67	2311.00		0.32	0.63	0.51	0.33	0.95	0.71	1.81	1.37
68	2561.00		0.01	0.01	0.69	0.50	2.04	1.44	5.46	4.85
69	2561.00		0.54	0.63	3.74	2.49	8.38	6.43	18.75	13.18
70	2683.00		0.01	0.01	0.51	0.45	1.47	1.12	3.20	1.98
71	2683.00		0.19	0.38	0.90	0.66	2.48	1.66	5.40	3.49
72	3803.00		0.08	0.20	0.01	0.01	0.01	0.01	0.20	0.17
73	B1A		29.48	47.25	25.18	14.58	41.76	26.75	62.55	42.93
74	B1B		56.01	82.35	51.58	34.93	81.25	56.97	118.00	83.58
75	B1C		18.02	26.05	14.15	8.86	25.42	15.29	43.31	27.54
76	B2A		14.74	42.19	28.81	15.19	54.56	31.75	86.79	61.67
77	B2B		5.02	10.12	4.19	2.60	7.34	3.85	13.42	7.91
78	B2C		15.55	31.85	10.22	5.47	19.77	11.06	38.27	22.97
79	B3A		4.68	6.35	3.32	2.62	6.34	4.19	11.71	7.71
80	C205		12.29	13.04	5.88	3.75	8.73	6.37	15.55	9.87
81	C275		5.07	5.74	3.44	2.16	5.43	3.66	7.88	5.72

0	Depth start	int.	28 31C 426-191/3	29 31D 426-191/4	30 30F 412-191	31 30A 412-191	32 30H 412-191	33 30C 412-191	34 29N 398-191	35 29A 398-191	36 29F 398-191
55	2085.00		8.43	7.74	48.13	395.55	9.38	31.37	16.91	202.10	85.22
56	2090.50		11.08	12.94	71.09	505.86	13.75	41.82	29.14	269.53	117.49
57	2095.00		26.15	25.45	82.22	540.83	13.70	51.38	31.68	254.76	169.32
58	2097.00		4.56	5.22	35.53	283.24	6.66	18.47	12.05	151.86	67.10
59	2097.00		0.30	0.29	2.59	25.80	0.46	1.06	1.57	14.94	7.15
60	2099.00		10.74	7.57	52.04	398.25	7.47	31.53	17.76	200.86	87.42
61	2105.75		9.27	6.09	45.05	355.38	7.64	25.38	12.94	199.83	79.23
62	2109.75		18.42	21.40	82.23	482.18	12.44	46.42	25.71	247.33	134.12
63	2144.00		1.77	1.76	9.49	130.85	1.87	7.43	3.02	67.74	20.52
64	2144.00		0.30	0.39	0.86	8.29	0.34	0.87	0.66	5.09	2.79
65	2293.75		0.40	0.77	0.70	9.04	0.23	1.49	0.20	15.58	2.00
66	2293.75		0.79	3.12	1.90	28.32	0.50	6.48	0.54	34.71	0.70
67	2311.00		0.11	0.15	0.20	5.96	0.15	0.43	0.30	4.24	1.40
68	2561.00		0.49	0.79	1.30	18.58	0.59	1.57	0.70	16.32	1.37
69	2561.00		1.72	3.30	6.01	49.13	2.12	7.15	2.46	40.30	8.79
70	2683.00		0.29	0.66	0.80	10.56	0.48	1.20	0.52	7.30	1.14
71	2683.00		0.36	0.87	0.99	10.09	0.20	2.01	0.43	8.50	1.70
72	3803.00		0.01	0.03	0.01	0.45	0.01	0.01	0.09	0.40	0.16
73	B1A		3.11	4.30	13.55	173.21	6.45	9.05	15.29	74.17	30.01
74	B1B		6.82	7.98	31.90	306.83	13.85	21.59	33.87	126.12	58.89
75	B1C		2.48	2.72	7.68	123.74	4.16	6.07	8.43	52.08	17.40
76	B2A		2.01	2.00	8.42	190.88	8.23	8.32	9.73	138.27	29.70
77	B2B		0.55	0.67	1.96	54.84	1.18	1.06	3.21	18.33	4.75
78	B2C		1.31	1.47	6.20	122.98	2.95	4.49	7.87	49.03	16.84
79	B3A		0.17	0.28	3.01	47.82	1.32	1.51	3.21	17.57	5.68
80	C205		1.05	1.21	4.28	59.41	1.71	2.93	5.30	24.42	9.85
81	C275		0.35	0.43	2.17	28.59	0.95	1.49	2.58	10.27	5.13

0	Depth start	int.	37 29C 398-191	38 28A 384-191	39 28N 384-191	40 27F 370-191	41 27A 370-191	42 30a 414-217	43 30b 414-217	44 30c 414-217	45 30d 414-217	46 30e 414-217
55	2085.00		13.46	4.15	4.28	89.72	62.89	18.90	15.20	7.82	4.04	6.73
56	2090.50		18.37	6.29	6.21	105.50	84.45	26.51	19.10	9.80	5.51	10.61
57	2095.00		22.98	8.54	9.45	104.60	85.84	41.45	33.08	18.18	9.06	14.94
58	2097.00		8.03	2.93	2.28	60.71	45.37	14.04	10.92	5.84	2.02	3.72
59	2097.00		0.99	0.70	0.59	10.67	7.14	2.80	1.71	0.72	0.45	0.47
60	2099.00		12.24	4.45	4.46	83.72	61.65	18.62	14.27	8.39	3.60	7.32
61	2105.75		11.57	4.32	4.13	79.68	59.08	15.88	12.48	6.95	3.34	5.70
62	2109.75		18.16	6.40	7.35	97.98	83.43	35.55	27.01	14.98	7.68	12.76
63	2144.00		3.63	1.01	0.71	21.20	12.61	2.87	2.24	0.99	0.66	1.31
64	2144.00		0.64	0.38	0.16	2.38	1.93	0.85	0.57	0.25	0.20	0.34
65	2293.75		1.30	0.41	0.31	0.40	7.27	0.01	0.01	0.01	0.01	0.01
66	2293.75		4.39	0.32	0.15	1.02	17.72	0.01	0.01	0.01	0.01	0.01
67	2311.00		0.54	0.38	0.21	1.29	1.22	0.01	0.01	0.01	0.01	0.01
68	2561.00		1.44	6.16	0.30	1.33	4.80	0.01	0.01	0.01	0.01	0.01
69	2561.00		4.22	18.22	0.61	4.63	12.96	0.01	0.01	0.01	0.01	0.01
70	2683.00		0.93	0.01	0.01	1.51	2.70	0.01	0.01	0.01	0.01	0.01
71	2683.00		0.89	0.09	0.05	2.28	4.03	0.01	0.01	0.01	0.01	0.01
72	3803.00		0.07	0.01	0.01	0.24	0.17	0.01	0.01	0.01	0.01	0.01
73	B1A		9.96	38.22	5.40	35.62	18.32	7.00	6.23	3.14	2.20	4.82
74	B1B		22.50	79.73	10.95	66.52	43.10	16.76	11.89	5.69	3.72	10.81
75	B1C		6.31	24.79	3.60	20.89	11.61	4.44	3.90	1.85	1.03	3.02
76	B2A		9.02	30.45	2.36	33.20	13.84	4.89	2.70	1.80	1.49	2.81
77	B2B		1.76	9.56	1.16	7.55	3.82	1.12	0.97	0.58	0.55	0.48
78	B2C		5.35	22.13	2.16	20.32	10.63	2.78	2.60	0.94	1.01	2.09
79	B3A		1.85	6.99	1.11	7.01	4.07	1.35	0.86	0.51	0.32	0.80
80	C205		4.49	16.23	2.69	13.95	8.31	4.27	2.91	1.19	0.90	1.95
81	C275		2.03	7.73	1.19	6.16	4.24	1.86	1.33	0.67	0.70	0.89

0	Depth start	int.	47 30f 414-217	48 30g 414-217	49 30h 414-217	50 29a 400-217	51 29b 400-217	52 29c 400-217	53 29d 400-217	54 29e 400-217	55 29f 400-217	56 29g 400-217
55	2085.00		12.20	13.28	8.19	140.52	84.70	45.90	31.98	48.33	76.93	68.78
56	2090.50		17.34	19.45	11.35	176.02	140.87	61.83	49.41	66.72	104.85	95.99
57	2095.00		26.40	32.18	22.63	231.06	206.45	69.10	59.99	87.40	131.56	122.16
58	2097.00		8.50	9.62	4.98	107.24	82.39	33.33	24.58	32.40	53.70	49.33
59	2097.00		0.80	0.86	0.48	21.47	11.94	4.15	3.07	3.81	5.73	4.93
60	2099.00		12.07	12.91	7.58	135.40	91.05	44.70	34.23	48.26	77.87	73.22
61	2105.75		9.70	11.85	6.71	125.54	79.48	41.22	29.60	45.37	73.50	65.70
62	2109.75		20.54	27.65	16.88	218.39	200.79	69.55	55.01	75.09	116.13	108.17
63	2144.00		1.41	2.12	1.25	36.98	17.02	7.50	4.45	8.63	18.22	16.05
64	2144.00		0.42	0.55	0.35	3.67	2.44	1.15	0.87	1.36	1.50	1.61
65	2293.75		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
66	2293.75		0.01	0.01	0.01	1.23	0.61	0.27	0.22	0.71	0.64	0.55
67	2311.00		0.01	0.01	0.01	1.21	0.74	0.39	0.27	0.53	0.81	0.77
68	2561.00		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
69	2561.00		0.01	0.01	0.01	1.46	0.74	0.66	0.52	0.70	0.78	0.61
70	2683.00		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
71	2683.00		0.01	0.01	0.01	0.74	0.47	0.34	0.26	0.43	0.57	0.55
72	3803.00		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
73	B1A		5.95	7.70	4.59	62.74	32.85	19.30	11.99	17.15	28.50	26.84
74	B1B		12.72	18.29	10.82	126.33	70.67	41.51	28.09	41.64	58.28	55.49
75	B1C		3.36	4.90	3.07	43.18	19.22	10.49	6.89	9.45	16.61	15.05
76	B2A		4.13	5.08	2.31	49.96	24.35	10.02	5.76	16.43	26.35	26.59
77	B2B		0.99	1.32	0.79	11.96	4.95	1.90	0.99	1.74	4.50	3.80
78	B2C		2.55	3.51	1.97	39.14	16.59	9.16	6.02	8.88	14.35	12.95
79	B3A		1.21	1.44	0.86	13.11	5.49	3.66	1.68	2.56	4.67	4.64
80	C205		2.58	2.85	2.25	25.81	15.16	6.02	5.11	6.21	8.26	7.66
81	C275		1.40	1.53	0.92	9.80	7.09	3.23	2.49	3.05	4.34	4.01

0	Depth start	int.	57 29h 400-217	58 28a 386-217	59 28aa 386-217	60 28b 386-217	61 28bb 386-217	62 28c 386-217	63 28d 386-217	64 28e 386-217	65 28f 386-217	66 28g 386-217
55	2085.00		42.26	48.76	53.78	49.18	49.18	16.82	15.41	10.72	48.82	39.95
56	2090.50		50.33	67.39	54.38	60.34	60.34	23.57	23.40	16.22	66.93	57.03
57	2095.00		50.89	73.91	53.84	75.84	75.84	33.34	39.96	25.74	76.93	65.55
58	2097.00		27.89	39.01	32.97	34.58	34.58	11.76	10.86	6.67	31.72	25.59
59	2097.00		3.16	7.56	8.56	8.17	8.17	2.66	2.63	1.25	3.60	2.97
60	2099.00		39.80	44.52	46.32	45.36	45.36	15.72	15.41	9.83	47.38	42.69
61	2105.75		30.83	40.82	42.62	42.19	42.19	14.74	13.67	9.18	45.77	38.23
62	2109.75		41.77	73.01	49.31	70.77	70.77	28.64	33.52	18.94	70.41	61.14
63	2144.00		9.12	9.21	12.39	9.26	9.26	2.21	2.56	1.97	8.07	6.34
64	2144.00		1.25	1.48	1.69	1.30	1.30	0.57	0.48	0.33	1.19	1.06
65	2293.75		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
66	2293.75		1.02	0.37	0.40	0.26	0.26	0.26	0.23	0.22	0.27	0.24
67	2311.00		0.71	0.68	0.80	0.74	0.74	0.27	0.39	0.23	0.65	0.58
68	2561.00		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
69	2561.00		0.76	0.26	0.31	0.39	0.39	0.18	0.21	0.35	0.51	0.46
70	2683.00		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
71	2683.00		0.50	0.38	0.41	0.45	0.45	0.21	0.19	0.28	0.44	0.29
72	3803.00		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
73	B1A		15.48	32.34	36.80	26.09	26.09	9.83	8.98	8.06	22.82	20.38
74	B1B		36.35	64.68	70.70	54.66	54.66	22.55	20.31	17.83	48.84	40.46
75	B1C		8.30	19.85	22.91	15.14	15.14	6.14	4.96	4.47	12.79	10.97
76	B2A		12.57	13.40	22.12	15.67	15.67	5.30	5.53	2.47	13.88	13.73
77	B2B		1.96	5.06	5.30	3.87	3.87	1.48	1.19	1.19	3.93	2.89
78	B2C		6.11	16.53	19.22	12.94	12.94	4.38	3.99	2.97	10.13	9.10
79	B3A		2.42	5.36	6.16	4.50	4.50	1.75	1.67	1.82	4.08	4.01
80	C205		5.17	10.33	10.84	10.28	10.28	4.47	4.67	3.24	6.86	5.75
81	C275		2.77	5.26	5.10	5.09	5.09	2.02	2.07	1.57	3.47	2.82

0	Depth start	int.	67 28h 386-217	68 27a 372-217	69 27b 372-217	70 27c 372-217	71 27d 372-217	72 27e 372-217	73 27f 372-217	74 27g 372-217	75 27h 372-217	76
55	2085.00		13.68	150.00	101.22	29.66	39.03	28.66	54.10	39.26	24.93	
56	2090.50		20.97	190.00	128.46	35.56	53.18	44.05	66.34	60.42	29.48	
57	2095.00		30.59	200.00	139.63	43.21	67.72	51.63	78.44	77.18	24.26	
58	2097.00		7.67	120.47	79.42	19.46	27.29	18.49	33.78	27.64	12.98	
59	2097.00		1.58	26.01	13.93	3.86	5.16	3.91	5.18	4.43	3.19	
60	2099.00		11.83	150.00	98.20	27.81	37.28	26.85	51.23	40.14	18.53	
61	2105.75		11.30	140.00	91.38	25.11	33.93	25.96	49.89	39.05	19.55	
62	2109.75		24.44	210.00	140.58	41.40	64.95	45.15	68.21	68.61	19.02	
63	2144.00		2.95	41.23	23.41	4.56	6.18	5.01	10.06	7.81	5.02	
64	2144.00		0.57	3.99	2.93	0.78	1.08	1.01	1.11	1.05	0.87	
65	2293.75		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
66	2293.75		0.25	0.43	0.34	0.19	0.23	0.32	0.40	0.38	0.49	
67	2311.00		0.46	1.66	1.10	0.45	0.61	0.56	0.70	0.63	0.74	
68	2561.00		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
69	2561.00		0.25	0.83	0.58	0.30	0.33	0.47	0.56	0.54	0.87	
70	2683.00		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
71	2683.00		0.37	0.66	0.47	0.27	0.24	0.28	0.38	0.36	0.18	
72	3803.00		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
73	B1A		7.94	85.26	54.16	13.10	19.62	17.27	21.37	20.31	13.94	
74	B1B		18.86	156.99	101.55	30.19	43.39	35.97	45.95	43.77	32.17	
75	B1C		5.13	61.89	37.47	7.12	10.73	9.21	12.04	11.24	7.89	
76	B2A		6.29	64.12	38.74	8.43	10.68	12.46	18.49	14.98	16.71	
77	B2B		0.87	20.07	10.36	1.72	5.89	2.30	3.68	3.31	2.33	
78	B2C		3.45	57.79	32.32	5.71	9.05	7.99	10.66	9.95	6.59	
79	B3A		1.29	20.42	10.29	2.13	2.95	3.35	4.25	3.80	2.52	
80	C205		3.97	30.26	19.77	5.33	6.80	6.67	6.31	6.60	5.10	
81	C275		1.65	10.29	7.98	2.37	3.45	3.11	3.31	3.43	2.47	

0 Depth start	int.	77 24X 330-191
55	2085.00	25.56
56	2090.50	33.68
57	2095.00	45.36
58	2097.00	18.27
59	2097.00	
60	2099.00	21.79
61	2105.75	23.39
62	2109.75	46.76
63	2144.00	3.96
64	2144.00	
65	2293.75	0.71
66	2293.75	
67	2311.00	
68	2561.00	1.22
69	2561.00	
70	2683.00	0.51
71	2683.00	
72	3803.00	
73	B1A	6.64
74	B1B	16.07
75	B1C	4.39
76	B2A	7.09
77	B2B	1.18
78	B2C	3.34
79	B3A	1.35
80	C205	
81	C275	

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ADDITIONAL C_{15+} EXTRACTION DATA FOR CORE SAMPLES FROM WELL 7219/9-1

July 1989

GEOCHEM

Petroleum
Geochemistry
Division

TABLE 1
ORGANIC CARBON RESULTS AND GROSS LITHOLOGIC DESCRIPTIONS

JOB 2100 GEOCHEM SAMPLE NUMBER	DEPTH/ IDENTITY	GROSS LITHOLOGIC DESCRIPTION	G S A COLOUR CODE	TOTAL ORGANIC CARBON (Wt. %)
WELL: 7219/9-1 CORES				
2100-001	1941.00m	A100% MUDSTONE - non-calcareous, blocky to platy, mod soft to soft, slightly micaceous, olive grey.	5Y4/1	
2100-002	1944.25m	A100% MUDSTONE - non-calcareous, blocky, very hard, brownish grey to light brownish grey.	5YR4/1 - 5YR6/1	
2100-003	1946.00m	A100% MUDSTONE - non-calcareous, blocky to platy, mod soft, slightly micaceous, brownish grey.	5YR4/1	
2100-004	1947.00m	A100% MUDSTONE - non-calcareous, blocky to slightly platy, soft, slightly micaceous, olive grey.	5Y4/1	
2100-005	1948.00m	A100% MUDSTONE - non-calcareous, platy, mod soft, slightly micaceous, olive grey.	5Y4/1	
2100-006	1948.75m	A100% MUDSTONE - non-calcareous, blocky, hard, light olive grey.	5Y6/1	
2100-007	1949.75m	A100% SILTSTONE - non-calcareous, blocky, poorly consolidated, no F, rapid blooming milky cut, dark yellowish brown.	10YR4/2	
2100-008	1950.50m	A100% SILTSTONE - non-calcareous, blocky, laminated with dark deposits, poorly consolidated, no F, rapid blooming milky cut, dark yellowish brown.	10YR4/2	

TABLE 2

CONCENTRATION (PPM) OF EXTRACTED C_{15+} MATERIAL IN ROCK

JOB 2100 GEOCHEM SAMPLE NUMBER	LITHO	DEPTH/ IDENTITY	TOTAL EXTRACT	HYDROCARBONS			NON HYDROCARBONS			
				Saturates	Aromatics	TOTAL	Preciptd. Asphaltenes	Eluted NSO's	Non-Eluted NSO's	TOTAL
WELL: 7219/9-1 CORES										
2100-001		1941.00m	238	91	31	122	35	81	1	116
2100-002		1944.25m	138	49	10	59	32	46	1	79
2100-003		1946.00m	332	122	43	166	58	106	3	167
2100-004		1947.00m	198	89	26	115	25	56	2	83
2100-005		1948.00m	355	199	37	236	30	88	1	119
2100-006		1948.75m	93	44	6	49	28	15	1	44
2100-007		1949.75m	2872	2357	227	2584	60	222	6	288
2100-008		1950.50m	3549	2837	237	3074	55	412	8	475

TABLE 3
COMPOSITION (NORMALISED %) OF C_{15+} MATERIAL

JOB 2100 GEOCHEM SAMPLE NUMBER	LITHO	DEPTH/ IDENTITY	HYDROCARBONS		NON HYDROCARBONS		
			Saturates	Aromatics	Preciptd. Asphaltenes	Eluted NSO's	Non-Eluted NSO's
WELL: 7219/9-1 CORES							
2100-001		1941.00m	38.35	12.92	14.62	33.90	0.42
2100-002		1944.25m	35.25	7.28	23.37	33.33	0.77
2100-003		1946.00m	36.87	13.00	17.51	31.83	0.80
2100-004		1947.00m	45.05	12.97	12.74	28.30	0.94
2100-005		1948.00m	55.94	10.42	8.59	24.86	0.18
2100-006		1948.75m	46.67	6.15	30.26	15.90	1.03
2100-007		1949.75m	82.05	7.92	2.08	7.73	0.22
2100-008		1950.50m	79.93	6.69	1.56	11.61	0.21

TABLE 4
SIGNIFICANT C_{15+} RATIOS

JOB 2100 / GEOCHEM SAMPLE NUMBER	LITHO	DEPTH/ IDENTITY	TOC (%)	mg/g TOC						HYDROCARBONS % TOTAL EXTRACT	SATURATES / AROMATICS
				TOTAL EXTRACT	SATURATES	AROMATICS	TOTAL HYDROCARBONS	ELUTED NSO's	ASPHALTENES		
WELL: 7219/9-1 CORES											
2100-001		1941.00m	0.63	37.74	14.47	4.88	19.35	12.79	5.52	51.27	2.97
2100-002		1944.25m	0.98	14.07	4.96	1.02	5.98	4.69	3.29	42.53	4.84
2100-003		1946.00m	0.59	56.30	20.76	7.32	28.07	17.92	9.86	49.87	2.84
2100-004		1947.00m	0.45	44.05	19.84	5.71	25.56	12.47	5.61	58.02	3.47
2100-005		1948.00m	0.62	57.25	32.03	5.97	37.99	14.23	4.92	66.36	5.37
2100-006		1948.75m	0.34	27.47	12.82	1.69	14.51	4.37	8.31	52.82	7.58
2100-007		1949.75m	0.29	990.41	812.63	78.41	891.04	76.59	20.63	89.97	10.36
2100-008		1950.50m	0.42	844.97	675.40	56.52	731.92	98.06	13.17	86.62	11.95

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WELL : 7219/9-1

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ORGANIC CARBON RESULTS AND GROSS LITHOLOGIC DESCRIPTIONS

GEOCHEM SAMPLE NUMBER	DEPTH	GROSS LITHOLOGIC DESCRIPTION	G S A Colour Code	TOTAL ORGANIC CARBON (Wt. % of Rock)
WELL : 7219/9-1, CORE SAMPLES				
1706-001	1923.00m	A 98% Mudstone, platy, mod hard, non calcareous, dark olive grey	5Y3/1	
1706-002	1928.00m	A 98% Argillaceous dolomite, massive, hard, greyish yellowish brown	10YR3/2	
1706-003	1933.00m	A 98% Mudstone, platy, mod hard, non calcareous, micaceous, dark olive grey	5Y3/1	
1706-004	1935.00m	A 98% Mudstone, platy to subplaty, mod hard, non calcareous, dark olive grey	5Y3/1	
1706-005	1936.00m	A 98% Mudstone, platy, mod hard, non calcareous, occasional light green lenses, dark olive grey	5Y3/1	
1706-006	1937.00m	A 98% Mudstone, platy to subplaty, mod hard, non calcareous, dark olive grey	5Y3/1	
1706-007	1938.00m	A 98% Mudstone, platy to subplaty, mod hard, non calcareous, dark olive grey	5Y3/1	
1706-008	1939.00m	A 98% Mudstone, platy to subplaty, mod hard, non calcareous, occasional light green lenses, dark olive grey	5Y3/1	
1706-009	1942.00m	A 98% Mudstone, platy to subplaty, mod hard, non calcareous, dark olive grey	5Y3/1	
1706-010	1943.00m	A 98% Mudstone, platy to subplaty, mod hard, non calcareous, occasional light green lenses, dark olive grey	5Y3/1	
1706-011	1944.00m	A 98% Mudstone, platy to subplaty, mod hard, non calcareous, rare light green lenses, very slightly micaceous, dark olive grey	5Y3/1	
1706-012	1945.00m	A 98% Mudstone, platy to subplaty, mod hard, non calcareous, occasional green lenses, slightly micaceous, dark olive grey	5Y3/1	
1706-013	1949.00m	A 98% Silty mudstone, glauconitic, subplaty, mod hard, non calcareous, olive grey	5Y4/1	
1706-014	1950.00m	A 98% Silty sandstone, blocky, mod hard, non calcareous, highly pyritic, greyish yellowish brown	10YR3/2	

Abbreviations = arenaceous, argillaceous, calcareous, Cut, dolomitic, Fluorescence, foraminifera, fossiliferous
Lost Circulation Material, moderately, occasionally, slightly, very

TABLE 1
ORGANIC CARBON RESULTS AND GROSS LITHOLOGIC DESCRIPTIONS

GEOCHEM SAMPLE NUMBER	DEPTH	GROSS LITHOLOGIC DESCRIPTION	G S A Colour Code	TOTAL ORGANIC CARBON (Wt. % of Rock)
1706-015	1951.00m	A 98% Sandstone, very fine grained, subangular to subrounded, well sorted, frequent poorly developed argillaceous laminae, dark yellowish brown. Pale yellow F., rapid streaming milky cut	10YR4/2	
1706-016	1952.00m	A 98% Sandstone, very fine grained, subangular to subrounded, well sorted, abundant, generally poorly developed, argillaceous laminae, dark yellowish brown. Yellow F., rapid streaming milky cut	10YR4/4	
1706-017	1953.00m	A 98% Sandstone, fine grained, subangular to subrounded, well sorted, frequent poorly developed argillaceous laminae, dark yellowish brown. Yellow F., rapid streaming milky cut	10YR4/4	
1706-018	1954.00m	A 98% Sandstone, as 1706-017A Rapid streaming milky Cut	10YR4/4	
1706-019	1955.00m	A 98% Sandstone, as 1706-017A Rapid streaming milky cut	10YR4/4	
1706-020	1956.00m	A 98% Sandstone, very fine grained, subangular to subrounded, well sorted, frequent poorly developed argillaceous laminae, dark yellowish brown. Yellow F., rapid streaming milky cut	10YR4/4	
1706-021	1957.00m	A 98% Sandstone, fine grained, subangular to subrounded, well sorted, occasional poorly developed argillaceous laminae, dark yellowish brown. Dull yellow F., rapid streaming milky cut	10YR4/2	
1706-022	1958.25m	A 98% Sandstone, fine grained, subangular to subrounded, fairly well sorted, frequent poorly developed argillaceous laminae, occasional gravel sized quartz clasts, pale orange - medium yellowish brown	10YR7/2-10YR5/2	
1706-023	1959.00m	A 98% Sandstone, very fine grained, subangular to subrounded, well sorted, pale orange Yellow F., rapid streaming milky cut	10YR7/2	

Abbreviations = arenaceous, argillaceous, calcareous, Cut, dolomitic, Fluorescence, foraminifera, fossiliferous Lost Circulation Material, moderately, occasionally, slightly, very

TABLE 1
ORGANIC CARBON RESULTS AND GROSS LITHOLOGIC DESCRIPTIONS

GEOCHEM SAMPLE NUMBER	DEPTH	GROSS LITHOLOGIC DESCRIPTION	G S A Colour Code	TOTAL ORGANIC CARBON (Wt. % of Rock)
1706-024	1960.00m	A 98% Sandstone, very fine grained, subangular to subrounded, well sorted, occasional poorly developed argillaceous laminae, pale orange. Yellow F., rapid streaming milky cut	10YR7/2	
1706-025	1961.25m	A 98% Sandstone, as 1706-024A Dull yellow F., rapid streaming milky cut	10YR7/2	
1706-026	1962.00m	A 98% Sandstone, very fine grained, subangular to subrounded, fairly well sorted, frequent poorly developed argillaceous laminae, pale orange. Dull yellow F., rapid streaming milky cut	10YR7/2	
1706-027	1963.00m	A 65% Sandstone, very fine grained, subangular to subrounded, well sorted, occasional poorly developed argillaceous laminae, pale orange. Dull yellow F., rapid streaming milky cut	10YR7/2	
		B 35% Limestone, dolomitic, massive, hard, hard, very pale orange	10YR8/2	
1706-028	1964.25m	A 98% Sandstone, very fine grained, subangular to subrounded, well sorted, with poorly developed argillaceous laminae, pale orange. Yellow F., rapid streaming milky cut	10YR7/2	
1706-029	1965.05m	A 98% Sandstone, poorly consolidated, medium to coarse grained, subangular to subrounded, fairly well sorted, pale orange. Weak yellow F., milky cut	10YR7/2	
1706-030	1966.00m	A 98% Sandstone, very fine grained, subangular to subrounded, well sorted, occasional poorly developed argillaceous laminae, pale orange. Yellow F., milky cut	10YR7/2	
1706-031	1967.25m	A 98% Sandstone, fine grained, subangular to subrounded, well sorted, rare poorly developed argillaceous laminae, pale orange. Yellow F., milky cut	10YR7/2	

Abbreviations = arenaceous, argillaceous, calcareous, Cut, dolomitic, Fluorescence, foraminifera, fossiliferous
Lost Circulation Material, moderately, occasionally, slightly, very

TABLE 1
ORGANIC CARBON RESULTS AND GROSS LITHOLOGIC DESCRIPTIONS

GEOCHEM SAMPLE NUMBER	DEPTH	GROSS LITHOLOGIC DESCRIPTION	G S A Colour Code	TOTAL ORGANIC CARBON (Wt. % of Rock)
1706-032	1968.00m	A 98% Sandstone, fine grained, subangular to subrounded, fairly well sorted, frequent poorly developed argillaceous laminae, pale orange - pale yellowish brown. Rapid streaming milky cut	10YR7/2-10YR6/2	
1706-033	1969.00m	A 98% Sandstone, fine grained, subangular to subrounded, well sorted, rare poorly developed argillaceous laminae, pale orange. Dull yellow F., streaming milky cut	10YR7/2	
1706-034	1970.00m	A 98% Sandstone, fine grained, subangular to subrounded, well sorted, pale orange. Dull yellow F., streaming milky cut	10YR7/2	
1706-035	1971.00m	A 98% Sandstone, as 1706-034A Dull yellow F., streaming milky cut	10YR7/2	
1706-036	1972.00m	A 98% Sandstone, fine grained, subangular to subrounded, well sorted, rare poorly developed argillaceous laminae, pale orange. Dull yellow F., streaming milky cut	10YR7/2	
1706-037	1974.00m	A 98% Sandstone, as 1706-036A Weak yellow F., streaming milky cut	10YR7/2	
1706-038	1975.00m	A 98% Sandstone, fine grained, subangular to subrounded, well sorted, occasional poorly developed argillaceous laminae, pale orange. Weak yellow F., streaming milky cut	10YR7/2	
1706-039	1976.00m	A 98% Sandstone, very fine grained, subangular to subrounded, fairly well sorted, commonly with poorly developed argillaceous laminae, pale orange. Weak yellowish F., milky cut	10YR7/2	
1706-040	1977.00m	A 98% Sandstone, as 1706-039A Dull yellow F., milky cut	10YR7/2	
1706-041	1979.00m	A 98% Sandstone, very fine grained, subangular to subrounded, fairly well sorted, frequent poorly developed argillaceous laminae, pale yellowish brown. Yellow F., streaming milky cut	10YR6/2	
1706-042	1980.00m	A 98% Sandstone, as 1706-041A Yellow F., streaming milky cut	10YR6/2	

Abbreviations = arenaceous, argillaceous, calcareous, Cut, dolomitic, Fluorescence, foraminifera, fossiliferous
Lost Circulation Material, moderately, occasionally, slightly, very

TABLE 1
ORGANIC CARBON RESULTS AND GROSS LITHOLOGIC DESCRIPTIONS

GEOCHEM SAMPLE NUMBER	DEPTH	GROSS LITHOLOGIC DESCRIPTION	G S A Colour Code	TOTAL ORGANIC CARBON (Wt. % of Rock)
1706-043	1982.00m	A 98% Sandstone, very fine grained, subangular to subrounded, fairly well sorted, common poorly developed argillaceous laminae, pale orange. Weak yellow F., streaming milky cut	10YR7/2	
1706-044	1983.00m	A 98% Sandstone, very fine grained, subangular to subrounded, fairly well sorted, frequent poorly developed argillaceous laminae, pale yellowish brown. Yellow F., streaming milky cut	10YR6/2	
1706-045	1985.00m	A 98% Limestone, dolomitic, crystalline, hard, with darker slightly argillaceous lenses, light grey	N7	
1706-046	1986.00m	A 98% Limestone, as 1706-045A	N7	
1706-047	1988.10m	A 98% Sandstone, very fine grained, subangular to subrounded, fairly well sorted, abundant moderately developed argillaceous laminae, medium yellowish brown. Dull yellow F., milky cut	10YR5/2	
1706-048	1989.00m	A 98% Sandstone, as 1706-047A Dull yellow F., milky cut	10YR5/2	
1706-049	1990.00m	A 98% Sandstone, as 1706-047A Dull yellow F., milky cut	10YR5/2	
1706-050	1990.95m	A 98% Sandstone, very fine grained, subangular to subrounded, fairly well sorted, abundant poorly developed argillaceous laminae, pale yellowish brown. Weak yellow F., milky cut	10YR6/2	
1706-051	1992.00m	A 98% Sandstone, very fine grained, subangular to subrounded, fairly well sorted, occasional poorly sorted, occasional poorly developed argillaceous laminae, pale yellowish brown. Dull yellow F., milky cut	10YR6/2	
1706-052	1993.00m	A 98% Sandstone, very fine grained, subangular to subrounded, fairly well sorted, commonly poorly developed argillaceous laminae, medium yellowish brown. Dull yellow F., milky cut	10YR5/2	

Abbreviations = arenaceous, argillaceous, calcareous, Cut, dolomitic, Fluorescence, foraminifera, fossiliferous
Lost Circulation Material, moderately, occasionally, slightly, very

TABLE 1
ORGANIC CARBON RESULTS AND GROSS LITHOLOGIC DESCRIPTIONS

GEOCHEM SAMPLE NUMBER	DEPTH	GROSS LITHOLOGIC DESCRIPTION	GSA Colour Code	TOTAL ORGANIC CARBON (Wt. % of Rock)
1706-053	1993.95m	A 98% Sandstone, very fine grained, subangular to subrounded, fairly well sorted, abundant moderately developed argillaceous limestone, medium yellowish brown - pale orange. Dull yellow F., milky cut	10YR5/2-10YR7/2	
1706-054	1995.00m	A 85% Sandstone, very fine grained, subangular to subrounded, fairly well sorted, occasional poorly developed, argillaceous laminae, pale orange. Dull yellow F., milky cut	10YR7/2	
		B 15% Sandstone, fine grained, subangular, fairly well sorted, calcareous matrix, pinkish brownish grey.	5YR7/1	
1706-055	1996.00m	A 98% Sandstone, fine grained, subangular to subrounded, fairly well sorted, with poorly developed argillaceous laminae, pale orange. Dull yellow F., milky cut	10YR7/2	
1706-056	1996.95m	A 98% Sandstone, as 1706-055A Weak yellow F., milky cut	10YR7/2	
1706-057	1998.00m	A 98% Sandstone, fine grained, subangular to subrounded, fairly well sorted, very pale orange. Pale yellow F., milky cut	10YR8/2	
1706-058	1999.00m	A 98% Sandstone, as 1706-057A Dull yellow F., milky cut	10YR8/2	
1706-059	1999.95m	A 98% Sandstone, as 1706-057A Dull yellow F., milky cut	10YR8/2	
1706-060	2001.00m	A 98% Sandstone, fine grained, subangular to subrounded, fairly well sorted, very pale orange. Pale yellow F., milky cut	10YR8/2	
1706-061	2002.00m	A 98% Sandstone, as 1706-060A Pale yellow F., milky cut	10YR8/2	
1706-062	2002.95m	A 98% Sandstone, very fine to fine grained, subangular to subrounded, mod to fairly well sorted, occasional moderately developed argillaceous laminae, pale orange.	10YR7/2	
1706-063	2004.00m	A 98% Sandstone, fine grained, subangular to subrounded, fairly well sorted, pale orange. Dull yellow F., milky cut	10YR7/2	

Abbreviations = arenaceous, argillaceous, calcareous, Cut, dolomitic, Fluorescence, forsminifera, fossiliferous
Lost Circulation Material, moderately, occasionally, slightly, very

TABLE 1
ORGANIC CARBON RESULTS AND GROSS LITHOLOGIC DESCRIPTIONS

GEOCHEM SAMPLE NUMBER	DEPTH	GROSS LITHOLOGIC DESCRIPTION	G S A Colour Code	TOTAL ORGANIC CARBON (Wt. % of Rock)
1706-064	2005.00m	A 98% Sandstone, fine grained, subangular to subrounded, fairly well sorted, with common poorly developed argillaceous laminae, pale orange. Dull yellow F., milky cut	10YR7/2	
1706-065	2005.95m	A 98% Sandstone, fine grained, subangular to subrounded, fairly well sorted, very pale orange. Dull yellow F., milky cut	10YR8/2	
1706-066	2007.00m	A 98% Sandstone, as 1706-065A Dull yellow F., milky cut	10YR8/2	
1706-067	2008.00m	A 98% Sandstone, fine grained, subangular to subrounded, fairly well sorted, occasional poorly developed argillaceous laminae, very pale orange. Dull yellow F., milky cut	10YR8/2	
1706-068	2010.00m	A 98% Sandstone, as 1706-067A Dull yellow F., milky cut	10YR8/2	
1706-069	2011.00m	A 98% Sandstone, fine grained, subangular to subrounded, fairly well sorted, rare poorly developed argillaceous laminae, very pale orange. Dull yellow F., milky cut	10YR8/2	
1706-070	2013.00m	A 98% Sandstone, fine grained, subangular to subrounded, fairly well sorted, very pale orange. Dull yellow F., milky cut	10YR8/2	
1706-071	2014.00m	A 98% Sandstone, as 1706-070A Dull yellow F., milky cut	10YR8/2	
1706-072	2015.00m	A 98% Sandstone, fine grained, subangular to subrounded, fairly well sorted, very pale orange, contains a single 1cm long lense of mudstone with a heavily pyritised periphery. Dull yellow F., milky cut	10YR8/2	
1706-073	2017.00m	A 98% Sandstone, fine grained, subangular to subrounded, fairly well sorted, very pale orange. Dull yellow F., milky cut	10YR8/2	
1706-074	2018.00m	A 98% Sandstone, as 1706-073A Dull yellow F., milky cut	10YR8/2	
1706-075	2020.00m	A 98% Sandstone, as 1706-073A Dull yellow F., milky cut	10YR8/2	

Abbreviations = arenaceous, argillaceous, calcareous, Cut, dolomitic, Fluorescence, foraminifera, fossiliferous Lost Circulation Material, moderately, occasionally, slightly, very

TABLE 1
ORGANIC CARBON RESULTS AND GROSS LITHOLOGIC DESCRIPTIONS

GEOCHEM SAMPLE NUMBER	DEPTH	GROSS LITHOLOGIC DESCRIPTION	G S A Colour Code	TOTAL ORGANIC CARBON (Wt. % of Rock)
1706-076	2021.00m	A 98% Sandstone, fine grained, subangular to subrounded, fairly well sorted, occasional poorly developed argillaceous laminae, very pale orange. Dull yellow F., milky cut	10YR8/2	
1706-077	2023.00m	A 98% Sandstone, fine grained, subangular to subrounded, fairly well sorted, common poorly developed argillaceous laminae, very pale orange. Dull yellow F., milky cut	10YR8/2	
1706-078	2024.00m	A 98% Sandstone, fine to medium grained, subangular to subrounded, mod sorted, abundant mod developed argillaceous laminae, pale orange. Dull yellow F., milky cut	10YR7/2	
1706-079	2026.00m	A 98% Sandstone, fine grained, subangular to subrounded, fairly well sorted, occasional argillaceous patches, pale orange. Dull yellow F., milky cut	10YR7/2	
1706-080	2027.00m	A 98% Sandstone, as 1706-079A Dull yellow F., milky cut	10YR7/2	
1706-081	2029.00m	A 98% Sandstone, fine to medium grained, subangular to subrounded, fairly well sorted, common poorly developed argillaceous laminae, very pale orange. Weak yellow F., milky cut	10YR8/2	
1706-082	2030.00m	A 98% Sandstone, fine grained, subangular to subrounded, fairly well sorted, pale orange. Dull yellow F., milky cut	10YR7/2	
1706-083	2031.00m	A 98% Sandstone, fine grained, subangular to subrounded, fairly well sorted, occasional slightly argillaceous, very pale orange. Weak yellow F., milky cut	10YR8/2	
1706-084	3032.00m	A 98% Sandstone, as 1706-083A Weak yellow F., milky cut	10YR8/2	
1706-085	3033.00m	A 98% Sandstone, fine grained, subangular to subrounded, fairly well sorted, occasional poorly developed argillaceous laminae, very pale orange. Weak yellow F., milky cut	10YR8/2	

Abbreviations = arenaceous, argillaceous, calcareous, Cut, dolomitic, Fluorescence, foraminifera, fossiliferous
Lost Circulation Material, moderately, occasionally, slightly, very

TABLE 1
ORGANIC CARBON RESULTS AND GROSS LITHOLOGIC DESCRIPTIONS

GEOCHEM SAMPLE NUMBER	DEPTH	GROSS LITHOLOGIC DESCRIPTION	G S A Colour Code	TOTAL ORGANIC CARBON (Wt. % of Rock)
1706-086	2034.00m	A 98% Sandstone, fine grained, subangular to subrounded, fairly well sorted, occasional argillaceous laminae very pale orange. Weak yellow F., milky cut	10YR8/2	
1706-087	2036.00m	A 98% Sandstone, fine to medium grained, subangular to subrounded, mod sorted, occasional argillaceous laminae, pale orange. Weak yellow F., milky cut	10YR7/2	
1706-088	2037.00m	A 98% Sandstone, fine grained, subangular to subrounded, fairly well sorted, occasional poorly developed argillaceous laminae, very pale orange. Weak yellow F., milky cut	10YR8/2	
1706-089	2039.00m	A 98% Sandstone, very fine grained, subangular to subrounded, well sorted, occasional argillaceous patches, very pale orange. Weak yellow F., milky cut	10YR8/2	
1706-090	2040.00m	A 98% Sandstone, very fine grained, subangular to subrounded, fairly well sorted, slightly argillaceous, pale orange. Weak yellow F., milky cut	10YR7/2	
1706-091	2042.00m	A 98% Sandstone, fine grained, subangular to subrounded, fairly well sorted, occasional very poorly developed argillaceous laminae, very pale orange. Weak yellow F., milky cut	10YR8/2	
1706-092	2043.00m	A 98% Sandstone, fine grained, subangular to subrounded, fairly well sorted, occasional poorly developed argillaceous laminae, very pale orange. Weak yellow F., milky cut	10YR8/2	
1706-093	2044.00m	A 98% Sandstone, fine grained, subangular to subrounded, mod to fairly well sorted, abundant poorly developed argillaceous laminae, pale orange. Dull yellow F., milky cut	10YR7/2	

Abbreviations = arenaceous, argillaceous, calcareous, Cut, dolomitic, Fluorescence, foraminifera, fossiliferous
Lost Circulation Material, moderately, occasionally, slightly, very

TABLE 1
ORGANIC CARBON RESULTS AND GROSS LITHOLOGIC DESCRIPTIONS

GEOCHEM SAMPLE NUMBER	DEPTH	GROSS LITHOLOGIC DESCRIPTION	G S A Colour Code	TOTAL ORGANIC CARBON (Wt. % of Rock)
1706-094	2045.50m	A 98% Sandstone, fine to medium grained, subangular to subrounded, medium to fairly well sorted, occasional mod developed argillaceous laminae, very pale orange. Dull yellow F., milky cut	10YR8/2	
1706-095	2046.00m	A 98% Sandstone, fine grained, subangular to subrounded, fairly well sorted, very pale orange. Dull yellow F., milky cut	10YR8/2	
1706-096	2047.00m	A 98% Sandstone, fine grained, subangular to subrounded, fairly well sorted, with mod to fairly well developed, argillaceous laminae, very pale orange. Dull yellow F., milky cut	10YR8/2	
1706-097	2048.50m	A 98% Sandstone, as 1706-096A Dull yellow F., milky cut	10YR8/2	
1706-098	2049.00m	A 98% Sandstone, fine grained, subangular to subrounded, mod to fairly well sorted, very poorly developed, argillaceous laminae, pale orange. Pale yellow F., milky cut	10YR7/2	
1706-099	2050.00m	A 98% Sandstone, fine grained, subangular to subrounded, fairly well sorted, poorly developed argillaceous laminae, pale orange. Pale yellow F., milky cut	10YR7/2	
1706-100	2051.50m	A 98% Sandstone, fine grained, subangular to subrounded, mod sorted, slightly argillaceous, with very poorly developed argillaceous laminae, pale orange. Dull yellow F., milky cut	10YR7/2	
1706-101	2052.00m	A 98% Sandstone, fine grained, subangular to subrounded, fairly well sorted, with poorly developed argillaceous laminae, pale orange. Dull yellow F., milky cut	10YR7/2	
1706-102	2053.00m	A 98% Sandstone, fine grained, subangular to subrounded, mod to fairly well sorted, argillaceous in part with poorly developed argillaceous laminae, pale yellowish brown - pale orange.	10YR6/2-10YR7/2	

Abbreviations = arenaceous, argillaceous, calcareous, Cut, dolomitic, Fluorescence, foraminifera, fossiliferous
Lost Circulation Material, moderately, occasionally, slightly, very

TABLE 1
ORGANIC CARBON RESULTS AND GROSS LITHOLOGIC DESCRIPTIONS

GEOCHEM SAMPLE NUMBER	DEPTH	GROSS LITHOLOGIC DESCRIPTION	G S A Colour Code	TOTAL ORGANIC CARBON (Wt. % of Rock)
1706-103	2054.50m	A 98% Sandstone, fine grained, subangular to subrounded, fairly well sorted, very pale orange. Dull yellow F., milky cut	10YR8/2	
1706-104	2055.00m	A 98% Sandstone, fine grained, subangular to subrounded, fairly well sorted, mod to fairly well developed argillaceous laminae, pale orange. Weak yellow F., milky cut	10YR7/2	
1706-105	2056.00m	A 98% Sandstone, fine grained, subangular to subrounded, fairly well sorted, pale orange. Weak yellow F., milky cut	10YR7/2	
1706-106	2057.50m	A 98% Sandstone, fine grained, subangular to subrounded, fairly well sorted, common argillaceous patches, pale orange. Weak yellow F., milky cut	10YR7/2	
1706-107	2058.00m	A 98% Sandstone, fine to coarse grained, subrounded, poorly sorted, yellowish brown. Yellow F., milky cut	10YR6/4	
1706-108	2059.00m	A 98% Sandstone, as 1706-107A Yellow F., milky cut	10YR6/4	
1706-109	2060.50m	A 98% Sandstone, fine to medium grained, subangular to subrounded, mod sorted, limestone cement, very light grey Weak yellow F., slow milky cut	N8	
1706-110	2061.00m	A 98% Sandstone, fine to coarse grained, subrounded to subangular, poorly sorted, yellowish brown. Yellow F., milky cut	10YR6/4	
1706-111	2062.00m	A 98% Sandstone, fine grained, subangular to subrounded, fairly well sorted, common mod to well developed argillaceous laminae, pale orange. Dull yellow F., milky cut	10YR7/2	
1706-112	2063.50m	A 98% Siltstone, mod hard, non calcareous, interbedded with ill-defined stringers of very fine grained sandstone, medium grey - light grey	N5-N7	
1706-113	2064.00m	A 98% Sandstone, fine grained, subangular to subrounded, fairly well sorted, occasional poorly developed argillaceous laminae, medium yellowish brown. Dull yellow F., milky cut	10YR5/2	

Abbreviations = arenaceous, argillaceous, calcareous, Cut, dolomitic, Fluorescence, foraminifera, fossiliferous
Lost Circulation Material, moderately, occasionally, slightly, very

TABLE 1
ORGANIC CARBON RESULTS AND GROSS LITHOLOGIC DESCRIPTIONS

GEOCHEM SAMPLE NUMBER	DEPTH	GROSS LITHOLOGIC DESCRIPTION	G S A Colour Code	TOTAL ORGANIC CARBON (Wt. % of Rock)
1706-114	2065.00m	A 98% Sandstone, fine grained, subangular to subrounded, fairly well sorted, medium yellowish brown. Pale yellow F., milky cut	10YR5/2	
1706-115	2066.50m	A 98% Siltstone, mod hard, non calcareous, dark grey, with lenses and laminae of very fine grained, pale orange sandstone	N3 + 10YR7/2	
1706-116	2067.00m	A 98% Sandstone, fine grained, subangular to subrounded, well sorted, medium yellowish brown. Weak yellow F., milky cut	10YR5/2	
1706-117	2068.00m	A 98% Sandstone, fine grained, subangular to subrounded, fairly well sorted, common poorly to mod developed argillaceous laminae, pale yellowish brown. Pale yellow F.,milky cut	10YR6/2	
1706-118	2069.00m	A 98% Sandstone, very fine grained, subangular to subrounded, fairly well sorted, slightly argillaceous with poorly developed argillaceous laminae, greyish yellowish brown.	10YR3/2	
1706-119	2072.50m	A 98% Sandstone, fine to very fine grained, subangular to subrounded, mod sorted, frequent poorly developed argillaceous lenses, medium yellowish brown. Dull yellow F., milky cut	10YR5/2	
1706-120	2073.00m	A 98% Sandstone, very fine to fine grained, subangular to subrounded, mod sorted, frequent mod well developed argillaceous laminae, dark yellowish brown. Dull yellow F., milky cut	10YR4/2	
1706-121	2074.00m	A 98% Sandstone, very fine grained, subangular to subrounded, fairly well sorted, very pale orange, interbedded with dark grey mudstone, silty in part, platy, mod hard, non calcareous (making up 30% of the whole). Very weak yellow F., slow milky cut	10YR8/2 - N3	
1706-122	2075.50m	A 98% Sandstone, very weak grained, subangular to subrounded, mod sorted, occasional poorly developed argillaceous laminae, pale orange. Weak yellow F., milky cut	10YR7/2	

Abbreviations = arenaceous, argillaceous, calcareous, Cut, dolomitic, Fluorescence, foraminifera, fossiliferous
Lost Circulation Material, moderately, occasionally, slightly, very

TABLE 1
ORGANIC CARBON RESULTS AND GROSS LITHOLOGIC DESCRIPTIONS

GEOCHEM SAMPLE NUMBER	DEPTH	GROSS LITHOLOGIC DESCRIPTION	G S A Colour Code	TOTAL ORGANIC CARBON (Wt. % of Rock)
1706-123	2076.00m	A 98% Sandstone, fine to medium grained, subangular to subrounded, mod to fairly poorly sorted, poorly developed argillaceous laminae and lenses, greyish yellowish brown. Yellow F., milky cut	10YR3/2	
1706-124	2077.00m	A 98% Sandstone, fine to medium grained, subangular to subrounded, mod sorted, with frequent mod developed argillaceous laminae, pale yellowish brown. Weak yellow F., milky cut	10YR6/2	
1706-125	2078.50m	A 98% Sandstone, very fine to fine grained, subangular to subrounded, fairly well sorted, medium yellowish brown. Weak yellow F., milky cut	10YR5/2	
1706-126	2079.00m	A 98% Sandstone, very fine grained, subangular to subrounded, fairly well sorted, dark yellowish brown. Weak yellow F., milky cut	10YR4/2	
1706-127	2080.00m	A 60% Sandstone, very fine grained, subangular to subrounded, fairly well sorted, pale orange. Dull yellow F., milky cut	10YR7/2	
		B 40% Mudstone, subfissile to platy, mod hard, non calcareous, micaceous, medium dark grey	N4	
1706-128	2081.00m	A 98% Mudstone, subfissile, mod hard, non calcareous, micaceous, dark grey - medium dark grey, with lenses and beds of sandstone, very fine grained, subangular to subrounded, fairly well sorted, very pale orange, (making up 25% of sample). Weak yellow F., milky cut	N3-N4 10YR8/2	
1706-129	2082.00m	A 98% Sandstone, fine to coarse grained, subangular to subrounded, poorly sorted, pale orange. Dull yellow F., milky cut	10YR7/2	
1706-130	2083.00m	A 98% Sandstone, as 1706-129A Dull yellow F., milky cut	10YR7/2	
1706-131	2084.50m	A 98% Sandstone, very fine to fine grained, subangular to subrounded, fairly well sorted, pale yellowish brown. Pale yellow F., milky cut	10YR6/2	

Abbreviations = arenaceous, argillaceous, calcareous, Cut, dolomitic, Fluorescence, foraminifera, fossiliferous
Lost Circulation Material, moderately, occasionally, slightly, very

TABLE 1
ORGANIC CARBON RESULTS AND GROSS LITHOLOGIC DESCRIPTIONS

GEOCHEM SAMPLE NUMBER	DEPTH	GROSS LITHOLOGIC DESCRIPTION	G S A Colour Code	TOTAL ORGANIC CARBON (Wt. % of Rock)
1706-132	2085.00m	A 98% Sandstone, fine to coarse grained, subangular to subrounded, mod to poorly sorted, pale yellowish brown. Dull yellow F., milky cut	10YR6/2	
1706-133	2086.00m	A 98% Sandstone, as 1706-132A Weak yellow F., milky cut	10YR6/2	
1706-134	2087.50m	A 98% Sandstone, med to coarse grained, subangular to subrounded, mod sorted, occasional poorly developed argillaceous laminae, dark yellowish brown. Yellow F., milky cut	10YR4/2	
1706-135	2088.00m	A 98% Sandstone, fine to coarse grained, subangular to subrounded, mod sorted, dark yellowish brown. Yellow F., milky cut	10YR4/2	
1706-136	2089.00m	A 98% Sandstone, fine to medium grained, subangular to subrounded, mod sorted, occasional poorly defined argillaceous laminae, pale yellowish brown. Yellow F., milky cut	10YR6/2	
1706-137	2090.50m	A 98% Sandstone, fine to coarse grained, subangular to subrounded, mod to poorly sorted, occasional mudstone lithoclasts, pale yellowish brown. Yellow F., milky cut	10YR6/2	
1706-138	2091.00m	A 98% Sandstone, as 1706-137A Dull yellow F., milky cut	10YR6/2	
1706-139	2092.00m	A 98% Sandstone, fine grained, subangular to subrounded, mod sorted, medium yellowish brown, with frequent well developed mudstone laminae (making up 20% of sample). Yellow F., milky cut	10YR5/2	
1706-140	2093.00m	A 98% Sandstone, very fine to fine grained, subangular to subrounded, fairly well sorted, with frequent moderately well developed argillaceous laminae, pale orange. Yellow F., milky cut	10YR7/2	
1706-141	2094.50m	A 98% Sandstone, very fine to fine grained, subangular to subrounded, fairly well sorted, pale orange. Dull yellow F., milky cut	10YR7/2	

Abbreviations = arenaceous, argillaceous, calcareous, Cut, dolomitic, Fluorescence, foraminifera, fossiliferous
Lost Circulation Material, moderately, occasionally, slightly, very

TABLE 1
ORGANIC CARBON RESULTS AND GROSS LITHOLOGIC DESCRIPTIONS

GEOCHEM SAMPLE NUMBER	DEPTH	GROSS LITHOLOGIC DESCRIPTION	G S A Colour Code	TOTAL ORGANIC CARBON (Wt. % of Rock)
1706-142	2095.00m	A 60% Sandstone, very fine to fine grained, subangular to subrounded, fairly well sorted, occasional traces of argillaceous laminae, medium yellowish brown. Dull yellow F., milky cut	10YR5/2	
		B 40% Silty mudstone, massive, hard, non calcareous, pyritic, medium light grey.	N6	
1706-143	2096.00m	A 98% Sandstone, very fine to fine grained, subangular to subrounded, fairly well sorted, with mod well developed argillaceous laminae, pale orange. Yellow F., milky cut	10YR7/2	
1706-144	2097.00m	A 98% Sandstone, very fine grained, subangular to subrounded, fairly well sorted, pale yellowish brown. Yellow F., milky cut	10YR6/2	
1706-145	2098.50m	A 98% Sandstone, fine grained, subangular to subrounded, fairly well sorted, occasional poorly developed argillaceous laminae, medium yellowish brown. Dull yellow F., milky cut	10YR5/2	
1706-146	2099.00m	A 98% Sandstone, very fine to fine grained, subangular to subrounded, fairly well sorted, pale yellowish brown. Weak yellow F., milky cut	10YR6/2	
1706-147	2100.75m	A 98% Sandstone, very fine to fine grained, subangular to subrounded, fairly well sorted, frequent poorly developed argillaceous laminae, pale yellowish brown. Yellow F., milky cut	10YR6/2	
1706-148	2101.75m	A 55% Silty mudstone, carbonaceous flecks, hard, non calcareous, dusky yellowish brown.	10YR2/2	
		B 45% Limestone, dolomitic in part, interbedded with 1706-148A, hard, very light grey	N8	
1706-149	2102.75m	A 98% Sandstone, very fine to fine grained, subangular to subrounded, mod sorted, with abundant mod to well developed argillaceous laminae, lightish brown. Weak yellow F., milky cut	5YR6/2	

Abbreviations = arenaceous, argillaceous, calcareous, Cut, dolomitic, Fluorescence, foraminifera, fossiliferous
Lost Circulation Material, moderately, occasionally, slightly, very

TABLE 1
ORGANIC CARBON RESULTS AND GROSS LITHOLOGIC DESCRIPTIONS

GEOCHEM SAMPLE NUMBER	DEPTH	GROSS LITHOLOGIC DESCRIPTION	G S A Colour Code	TOTAL ORGANIC CARBON (Wt. % of Rock)
1706-150	2103.75m	A 98% Sandstone, fine grained, subangular to subrounded, mod to fairly well sorted, with fairly well developed argillaceous laminae, medium yellowish brown. Yellow F., milky cut	10YR5/2	
1706-151	2104.75m	A 98% Sandstone, fine grained, subangular to subrounded, fairly well sorted, pale orange. Weak yellow F., milky cut	10YR7/2	
1706-152	2105.75m	A 98% Sandstone, as 1706-151A Weak yellow F., milky cut	10YR7/2	
1706-153	2106.75m	A 60% Mudstone, slightly silty, subfissile, mod hard, non calcareous, dark grey	N3	
		B 40% Sandstone, very fine grained, subangular to subrounded, fairly well sorted, common well developed mudstone laminae, pale yellowish brown. Yellow F., milky cut	10YR6/2	
1706-154	2107.75m	A 98% Sandstone, fine grained, subangular to subrounded, fairly well sorted, occasional mod well developed argillaceous laminae, pale yellowish brown. Dull yellow F., milky cut	10YR6/2	
1706-155	2108.75m	A 98% Sandstone, fine grained, subangular to subrounded, fairly well sorted, pale yellowish brown. Dull yellow F., milky cut	10YR6/2	
1706-156	2109.75m	A 98% Sandstone, as 1706-155A Yellow F., milky cut	10YR6/2	
1706-157	2110.75m	A 98% Sandstone, fine grained, subangular to subrounded, fairly well sorted, occasional poorly to mod developed argillaceous laminae and lenses, medium yellowish brown.	10YR5/2	
1706-158	2112.75m	A 98% Sandstone, very fine grained, subangular to subrounded, fairly well sorted, dull yellow F., slow milky cut, very pale orange with fairly well developed interbeds of dark green mudstone (making up 25% of sample)	10YR8/2	
1706-159	2114.00m	A 98% Sandstone, very fine to fine grained, subangular to subrounded, fairly well sorted, pale yellowish brown. Dull yellow F., milky cut	10YR6/2	

Abbreviations = arenaceous, argillaceous, calcareous, Cut, dolomitic, Fluorescence, foraminifera, fossiliferous
Lost Circulation Material, moderately, occasionally, slightly, very

TABLE 2a

STANDARD PYROLYSIS DATA @300 Deg.C

GEOCHEM SAMPLE NUMBER	DEPTH	ORGANIC CARBON	S0 (mg/g)	S1 (mg/g)	S2 (mg/g)	PRODUCTION INDEX	HYDROGEN INDEX	Tmax (Deg.C)
1706-002A	1928.00		0.02	0.13	0.14	0.48		432
1706-004A	1935.00		0.01	0.24	0.46	0.34		437
1706-008A	1939.00		0.00	0.25	0.66	0.27		440
1706-012A	1945.00		0.00	0.23	0.39	0.37		436
1706-013A	1949.00		0.04	0.67	0.85	0.44		432
1706-014A	1950.00		0.01	0.37	0.41	0.47		429
1706-018A	1954.00		0.00	1.22	0.25	0.83		428
1706-023A	1959.00		0.00	1.18	0.29	0.80		419
1706-026A	1962.00		0.00	0.54	0.17	0.76		423
1706-030A	1966.00		0.00	0.17	0.13	0.57		430
1706-034A	1970.00		0.00	0.22	0.14	0.61		428
1706-038A	1975.00		0.00	0.22	0.12	0.65		428
1706-041A	1979.00		0.00	0.40	0.22	0.65		424
1706-043A	1982.00		0.00	0.53	0.28	0.65		426
1706-046A	1986.00		0.00	0.12	0.16	0.43		440
1706-049A	1990.00		0.00	2.20	0.40	0.85		428
1706-051A	1992.00		0.00	2.17	0.29	0.88		417
1706-052A	1993.00		0.02	4.37	0.91	0.83		431
1706-054A	1995.00		0.01	3.33	0.43	0.89		418
1706-057A	1998.00		0.00	0.29	0.10	0.74		424
1706-060A	2001.00		0.00	0.46	0.14	0.77		419
1706-063A	2004.00		0.01	0.40	0.15	0.73		415
1706-067A	2008.00		0.00	0.54	0.12	0.82		419
1706-069A	2011.00		0.00	0.31	0.10	0.76		416
1706-071A	2014.00		0.01	0.32	0.08	0.80		417
1706-073A	2017.00		0.02	0.50	0.09	0.85		423
1706-076A	2021.00		0.01	0.83	0.20	0.81		428
1706-080A	2027.00		0.01	0.55	0.10	0.85		427
1706-082A	2030.00		0.09	3.43	0.45	0.88		425
1706-086A	2034.00		0.06	0.69	0.10	0.87		420
1706-090A	2040.00		0.06	2.32	0.44	0.84		425
1706-093A	2044.00		0.03	1.83	0.14	0.93		418
1706-096A	2047.00		0.04	1.97	0.81	0.71		429
1706-099A	2050.00		0.06	1.59	0.17	0.90		422
1706-102A	2053.00		0.05	1.55	0.10	0.94		424
1706-107A	2058.00		0.22	3.63	0.53	0.87		422
1706-111A	2062.00		0.03	0.87	0.80	0.52		437
1706-116A	2067.00		0.27	4.88	0.38	0.93		425
1706-120A	2073.00		0.07	5.26	0.58	0.90		427
1706-124A	2077.00		0.09	3.78	1.59	0.70		436
1706-128A	2081.00		0.06	1.32	3.54	0.27		437
1706-132A	2085.00		0.17	4.38	0.34	0.93		415
1706-139A	2092.00		0.09	2.01	0.82	0.71		436
1706-142A	2095.00		0.03	4.22	0.52	0.89		418
1706-143A	2096.00		0.02	2.19	1.15	0.66		435
1706-146A	2099.00		0.16	4.73	0.31	0.94		419
1706-147A	2100.75		0.06	3.05	0.69	0.82		434
1706-149A	2102.75		0.03	1.95	2.45	0.44		440
1706-152A	2105.75		0.00	1.28	0.30	0.81		425
1706-155A	2108.75		0.05	1.96	0.12	0.94		412

WELL 7219/9-1

TABLE 2a

STANDARD PYROLYSIS DATA @300 Deg.C

GEOCHEM SAMPLE NUMBER	DEPTH	ORGANIC CARBON	SO (mg/g)	S1 (mg/g)	S2 (mg/g)	PRODUCTION INDEX	HYDROGEN INDEX	Tmax (Deg.C)
1706-159A	2114.00		0.18	1.88	0.11	0.94		419

WELL 7219/9-1

TABLE 2b

STANDARD PYROLYSIS DATA @340 Deg.C

GEOCHEM SAMPLE NUMBER	DEPTH	ORGANIC CARBON	S0 (mg/g)	S1 (mg/g)	S2 (mg/g)	PRODUCTION INDEX	HYDROGEN INDEX	Tmax (Deg.C)
1706-002A	1928.00		0.02	0.07	0.31	0.18		424
1706-004A	1935.00		0.03	0.27	0.72	0.27		429
1706-008A	1939.00		0.01	0.30	1.06	0.22		425
1706-012A	1945.00		0.02	0.26	0.57	0.31		428
1706-013A	1949.00		0.02	1.43	0.83	0.63		430
1706-014A	1950.00		0.01	0.33	0.46	0.42		425
1706-018A	1954.00		0.02	1.94	0.36	0.84		425
1706-023A	1959.00		0.01	1.39	0.26	0.84		418
1706-026A	1962.00		0.02	0.89	0.14	0.86		418
1706-030A	1966.00		0.01	0.51	0.14	0.78		420
1706-034A	1970.00		0.00	0.35	0.17	0.67		423
1706-038A	1975.00		0.01	0.46	0.11	0.81		426
1706-041A	1979.00		0.01	0.86	0.24	0.78		419
1706-043A	1982.00		0.03	0.42	0.67	0.39		425
1706-046A	1986.00		0.01	0.10	0.21	0.32		433
1706-049A	1990.00		0.02	3.60	0.40	0.90		420
1706-051A	1992.00		0.00	2.39	0.14	0.94		409
1706-052A	1993.00		0.01	4.46	0.79	0.85		429
1706-054A	1995.00		0.00	3.71	0.77	0.83		441
1706-057A	1998.00		0.02	0.51	0.09	0.85		422
1706-060A	2001.00		0.03	0.54	0.13	0.81		417
1706-063A	2004.00		0.04	0.41	0.13	0.76		423
1706-067A	2008.00		0.02	0.83	0.10	0.89		419
1706-069A	2011.00		0.01	0.33	0.08	0.80		411
1706-071A	2014.00		0.01	0.65	0.08	0.89		415
1706-073A	2017.00		0.01	0.55	0.14	0.80		416
1706-076A	2021.00		0.00	0.99	0.28	0.78		426
1706-080A	2027.00		0.00	0.55	0.12	0.82		412
1706-082A	2030.00		0.01	3.67	0.55	0.87		425
1706-086A	2034.00		0.02	1.02	0.13	0.89		424
1706-090A	2040.00		0.01	3.18	0.47	0.87		420
1706-093A	2044.00		0.01	1.96	0.17	0.92		419
1706-096A	2047.00		0.01	2.65	0.80	0.77		425
1706-099A	2050.00		0.01	2.09	0.14	0.94		417
1706-102A	2053.00		0.01	1.98	0.09	0.96		408
1706-107A	2058.00		0.06	3.91	0.32	0.92		419
1706-111A	2062.00		0.00	0.96	1.06	0.48		434
1706-116A	2067.00		0.06	5.67	0.39	0.94		419
1706-120A	2073.00		0.01	5.69	0.56	0.91		426
1706-124A	2077.00		0.01	5.02	2.00	0.72		431
1706-128A	2081.00		0.00	1.93	4.58	0.30		433
1706-132A	2085.00		0.03	4.18	0.26	0.94		419
1706-139A	2092.00		0.01	1.72	1.02	0.63		429
1706-142A	2095.00		0.01	3.73	0.90	0.81		416
1706-143A	2096.00		0.05	2.10	1.69	0.55		434
1706-146A	2099.00		0.02	4.24	0.64	0.87		415
1706-147A	2100.75		0.01	3.36	1.16	0.74		430
1706-149A	2102.75		0.05	1.67	3.11	0.35		434
1706-152A	2105.75		0.02	1.37	0.30	0.82		423
1706-155A	2108.75		0.01	1.95	0.28	0.87		406

TABLE 2b

STANDARD PYROLYSIS DATA @340 Deg.C

GEOCHEM SAMPLE NUMBER	DEPTH	ORGANIC CARBON	S0 (mg/g)	S1 (mg/g)	S2 (mg/g)	PRODUCTION INDEX	HYDROGEN INDEX	Tmax (Deg.C)
1706-159A	2114.00		0.03	1.75	0.29	0.86		413

WELL 7219/9-1

TABLE 3
DETAILED GASOLINE RANGE (C_4 - C_7) COMPOSITION

GEOCHEM SAMPLE NUMBER	1706-001A	1706-002A	1706-003A	1706-004A	1706-006A	1706-008A
DEPTH	1923.00	1928.00	1933.00	1935.00	1937.00	1939.00
SAMPLE TYPE						
NORMALISED COMPOSITION						
isobutane	1.15	10.41	18.62	13.11	11.96	10.63
n-butane	4.73	22.92	26.95	25.13	27.67	26.57
isopentane	6.97	10.83	18.00	16.16	15.73	16.61
n-pentane	27.51	17.92	15.86	17.46	17.36	18.83
2,2-dimethylB	0.84	0.37	0.28	0.33	0.40	0.41
cyclopentane	1.86	1.77	1.54	1.53	1.56	1.74
2,3-dimethylB	0.30	0.28	0.09	0.27	0.38	0.31
2-methylP	6.66	4.15	3.47	4.64	4.24	4.18
3-methylP	3.85	2.33	2.09	2.56	2.40	2.35
n-hexane	8.49	4.68	2.43	3.71	3.42	3.60
methylCP	5.88	3.81	2.48	3.12	3.04	3.05
2,2-dimethylP	0.40	0.17	0.11	0.19	0.21	0.17
2,4-dimethylP	0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-trimethylB	0.00	0.00	0.00	0.00	0.00	0.00
benzene	1.31	1.02	0.77	0.58	0.92	0.91
cyclohexane	6.57	4.19	2.67	3.37	3.39	3.54
3,3-dimethylP	0.00	0.00	0.00	0.00	0.00	0.00
1,1-dimethylCP	0.00	0.00	0.00	0.00	0.00	0.00
2-MH	3.25	1.83	0.64	1.17	1.03	0.97
2,3-dimethylP	0.00	0.00	0.00	0.00	0.00	0.00
3-MH	2.02	1.20	0.36	0.70	0.59	0.55
1,c,3-DMCP	0.97	0.56	0.21	0.33	0.28	0.26
1,t,3-DMCP	0.86	0.39	0.14	0.23	0.35	0.22
1,t,2-DMCP	2.23	1.18	0.41	0.67	0.52	0.56
3ethylP	0.00	0.00	0.00	0.00	0.00	0.00
n-heptane(nC7)	2.42	1.86	0.35	0.70	0.55	0.56
methylCH	10.41	6.99	2.06	3.41	3.35	3.22
1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
toluene	1.33	1.15	0.47	0.62	0.66	0.74
ABUNDANCE(ppm)	72	59	247	216	175	183
nC7/C7NAPHTHENES	0.17	0.20	0.12	0.15	0.12	0.13
total MH/DMCP	1.30	1.43	1.33	1.51	1.40	1.45
1,t,2-/1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
nC6/methylCP	1.44	1.23	0.98	1.19	1.13	1.18
C6-C7 FRACTION						
%n-PARAFFINS	18.88	18.11	14.63	16.54	15.44	16.27
%iso-PARAFFINS	29.97	28.59	37.00	37.09	35.93	34.94
%NAPHTHENES	46.59	47.31	41.86	41.84	42.51	42.38
%AROMATICS	4.56	5.99	6.51	4.52	6.13	6.41

DMCP dimethylcyclopentane **MH** methylhexane **B** butane **CH** cyclohexane **CP** cyclopentane **H** hexane **P** pentane

TABLE 3
DETAILED GASOLINE RANGE (C_4 - C_7) COMPOSITION

GEOCHEM SAMPLE NUMBER	1706-010A	1706-012A	1706-013A	1706-014A	1706-016A	1706-018A
DEPTH	1943.00	1945.00	1949.00	1950.00	1952.00	1954.00
SAMPLE TYPE						
NORMALISED COMPOSITION						
isobutane	11.05	13.09	3.07	6.17	9.11	7.18
n-butane	21.75	18.15	8.82	9.59	17.50	15.19
isopentane	13.97	14.96	10.02	6.39	7.66	7.73
n-pentane	16.60	15.13	16.42	45.48	39.69	37.02
2,2-dimethylB	0.38	0.50	0.82	1.50	1.73	2.21
cyclopentane	1.55	1.97	1.46	0.70	0.67	1.10
2,3-dimethylB	0.16	0.11	0.38	1.28	0.73	0.83
2-methylP	5.13	5.43	7.65	2.90	2.74	5.25
3-methylP	2.90	3.09	4.13	2.06	1.73	3.31
n-hexane	5.25	5.38	9.75	7.14	5.25	4.14
methylCP	3.50	3.89	4.13	1.67	1.84	2.76
2,2-dimethylP	0.33	0.20	0.86	0.46	0.22	0.00
2,4-dimethylP	0.00	0.10	0.00	0.00	0.00	0.00
2,2,3-trimethylB	0.00	0.00	0.00	0.00	0.00	0.00
benzene	0.51	0.76	0.41	0.01	0.11	0.00
cyclohexane	4.11	4.63	4.92	3.12	3.02	3.59
3,3-dimethylP	0.00	0.00	0.00	0.00	0.00	0.00
1,1-dimethylCP	0.00	0.00	0.00	0.00	0.00	0.00
2-MH	1.95	1.91	4.59	1.79	1.17	1.66
2,3-dimethylP	0.00	0.00	0.00	0.00	0.00	0.00
3-MH	1.23	1.17	3.00	0.99	0.61	0.83
1,c,3-DMCP	0.46	0.45	0.78	0.31	0.22	0.55
1,t,3-DMCP	0.38	0.38	1.04	0.36	0.28	0.28
1,t,2-DMCP	0.97	0.89	1.56	0.73	0.56	0.83
3-ethylP	0.00	0.00	0.00	0.00	0.00	0.00
n-heptane(nC7)	1.51	1.45	4.96	1.86	1.45	0.83
methylCH	5.65	5.51	10.77	5.20	3.24	4.70
1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
toluene	0.65	0.86	0.46	0.27	0.45	0.00
ABUNDANCE(ppm)	236	394	122	21	93	18
nC7/C7NAPHTHENES	0.20	0.20	0.35	0.28	0.34	0.13
total MH/DMCP	1.76	1.79	2.24	1.98	1.68	1.50
1,t,2-/1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
nC6/methylCP	1.50	1.38	2.36	4.28	2.85	1.50
C6-C7 FRACTION						
%n-PARAFFINS	19.28	18.62	24.44	28.43	26.43	15.65
%iso-PARAFFINS	34.47	34.07	35.60	34.70	35.24	44.35
% NAPHTHENES	42.95	42.89	38.53	36.00	36.12	40.00
% AROMATICS	3.30	4.41	1.43	0.87	2.20	0.00

DMCP dimethylcyclopentane MH methylhexane B butane CH cyclohexane CP cyclopentane H hexane P pentane

TABLE 3
DETAILED GASOLINE RANGE (C_4 - C_7) COMPOSITION

GEOCHEM SAMPLE NUMBER	1706-020A	1706-023A	1706-024A	1706-026A	1706-027A	1706-030A
DEPTH	1956.00	1959.00	1960.00	1962.00	1963.00	1966.00
SAMPLE TYPE						
NORMALISED COMPOSITION						
isobutane	4.75	4.18	4.81	9.23	9.74	10.16
n-butane	12.62	9.93	11.03	19.62	20.92	20.98
isopentane	6.04	4.66	4.98	8.72	8.92	9.29
n-pentane	48.87	65.30	62.13	33.21	31.87	27.49
2,2-dimethylB	0.76	0.51	0.92	0.87	1.54	0.88
cyclopentane	1.08	0.51	0.82	0.71	0.65	0.63
2,3-dimethylB	0.43	0.40	0.22	0.56	0.53	0.51
2-methylP	2.91	1.42	1.72	3.44	3.29	3.64
3-methylP	1.40	0.91	0.99	1.91	1.88	2.13
n-hexane	4.53	2.69	3.03	5.17	4.91	5.12
methylCP	2.27	1.35	1.45	2.37	2.51	2.75
2,2-dimethylP	0.32	0.00	0.15	0.32	0.34	0.38
2,4-dimethylP	0.00	0.00	0.00	0.00	0.00	0.05
2,2,3-trimethylB	0.00	0.00	0.00	0.00	0.00	0.00
benzene	0.22	0.00	0.12	0.11	0.02	0.24
cyclohexane	2.80	1.49	1.53	2.82	2.72	2.91
3,3-dimethylP	0.00	0.00	0.00	0.00	0.00	0.00
1,1-dimethylCP	0.00	0.00	0.00	0.00	0.00	0.00
2-MH	1.73	0.00	0.93	1.78	1.62	2.05
2,3-dimethylP	0.00	0.00	0.00	0.00	0.00	0.00
3-MH	1.08	0.00	0.54	1.05	0.93	1.25
1,c,3-DMCP	0.43	0.00	0.24	0.42	0.41	0.46
1,t,3-DMCP	0.32	0.00	0.14	0.25	0.24	0.51
1,t,2-DMCP	0.97	0.00	0.51	0.92	0.88	1.03
3-ethylP	0.00	0.00	0.00	0.00	0.00	0.00
n-heptane(nC7)	2.05	4.26	1.30	2.42	2.11	2.99
methylCH	4.31	2.40	2.36	3.85	3.63	4.21
1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
toluene	0.11	0.00	0.07	0.24	0.33	0.33
ABUNDANCE(ppm)	4	1	29	23	23	24
nC7/C7NAPHTHENES	0.34	1.77	0.40	0.44	0.41	0.48
total MH/DMCP	1.62	0.00	1.66	1.78	1.67	1.64
1,t,2-/1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
nC6/methylCP	2.00	2.00	2.08	2.19	1.96	1.86
C6-C7 FRACTION						
%n-PARAFFINS	24.70	45.05	26.68	26.63	25.18	25.79
%iso-PARAFFINS	32.39	20.99	33.71	34.84	36.32	34.60
% NAPHTHENES	41.70	33.96	38.43	37.31	37.24	37.78
% AROMATICS	1.21	0.00	1.19	1.22	1.27	1.83

DMCP dimethylcyclopentane MH methylhexane B butane CH cyclohexane CP cyclopentane H hexane P pentane

TABLE 3
DETAILED GASOLINE RANGE (C_4 - C_7) COMPOSITION

GEOCHEM SAMPLE NUMBER	1706-032A	1706-034A	1706-036A	1706-038A	1706-040A	1706-041A
DEPTH	1968.00	1970.00	1972.00	1975.00	1977.00	1979.00
SAMPLE TYPE						
NORMALISED COMPOSITION						
isobutane	7.35	9.59	6.83	7.76	7.02	7.04
n-butane	13.75	19.29	16.01	14.73	14.72	15.75
isopentane	6.82	8.43	6.78	6.94	6.52	6.85
n-pentane	29.48	35.89	37.92	42.04	46.47	26.18
2,2-dimethylB	1.06	1.24	0.94	1.08	0.63	0.74
cyclopentane	0.58	0.73	0.75	0.67	0.74	1.51
2,3-dimethylB	0.61	0.65	0.65	0.58	0.38	0.44
2-methylP	3.32	3.36	3.08	3.04	2.90	3.36
3-methylP	1.91	1.93	1.74	1.95	1.75	2.09
n-hexane	5.07	4.59	4.75	4.23	4.43	6.09
methylCP	2.48	2.15	2.53	2.48	1.93	3.63
2,2-dimethylP	0.79	0.26	0.22	0.43	0.18	1.58
2,4-dimethylP	0.11	0.00	0.00	0.00	0.05	0.00
2,2,3-trimethylB	0.00	0.00	0.00	0.00	0.00	0.00
benzene	0.32	0.19	0.00	0.19	0.00	0.67
cyclohexane	2.64	2.24	3.09	2.51	2.33	4.08
3,3-dimethylP	0.00	0.00	0.00	0.00	0.00	0.00
1,1-dimethylCP	0.00	0.00	0.00	0.00	0.00	0.00
2-MH	4.28	1.49	2.31	1.87	1.47	2.94
2,3-dimethylP	0.00	0.00	0.00	0.00	0.00	0.00
3-MH	2.83	0.88	1.14	1.01	0.88	1.52
1,c,3-DMCP	0.70	0.33	0.46	0.45	0.33	0.67
1,t,3-DMCP	0.45	0.27	0.32	0.25	0.38	0.37
1,t,2-DMCP	1.70	0.76	1.43	0.97	0.77	1.80
3-ethylP	0.00	0.00	0.00	0.00	0.00	0.00
n-heptane(nC7)	6.64	2.10	2.57	2.53	2.30	4.61
methylCH	6.29	3.36	5.59	3.95	3.55	6.78
1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
toluene	0.82	0.28	0.89	0.33	0.29	1.29
ABUNDANCE(ppm)	20	19	7	15	14	25
nC7/C7NAPHTHENES	0.73	0.45	0.33	0.45	0.46	0.48
total MH/DMCP	2.49	1.74	1.57	1.73	1.58	1.57
1,t,2-/1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
nC6/methylCP	2.04	2.13	1.87	1.71	2.29	1.68
C6-C7 FRACTION						
%n-PARAFFINS	27.86	25.68	23.06	24.29	27.41	25.08
%iso-PARAFFINS	35.46	37.61	31.83	35.77	33.52	29.68
NAPHTHENES	33.97	34.93	42.31	38.06	37.89	40.65
AROMATICS	2.71	1.77	2.80	1.89	1.17	4.59

DMCP dimethylcyclopentane MH methylhexane B butane CH cyclohexane CP cyclopentane H hexane P pentane

TABLE 3
DETAILED GASOLINE RANGE (C_4 - C_7) COMPOSITION

GEOCHEM SAMPLE NUMBER	1706-043A	1706-045A	1706-046A	1706-048A	1706-049A	1706-051A
DEPTH	1982.00	1985.00	1986.00	1989.00	1990.00	1992.00
SAMPLE TYPE						
NORMALISED COMPOSITION						
isobutane	6.37	11.66	11.60	3.36	4.24	7.32
n-butane	15.83	16.98	19.50	8.89	10.48	15.50
isopentane	5.99	8.99	9.50	4.32	4.68	5.71
n-pentane	41.14	29.06	22.98	50.23	46.89	46.75
2,2-dimethylB	3.84	0.96	1.17	4.02	3.93	3.36
cyclopentane	0.51	0.61	0.76	0.76	0.58	1.34
2,3-dimethylB	0.53	0.39	0.53	0.32	0.50	0.72
2-methylP	2.72	3.27	3.61	2.67	3.07	2.33
3-methylP	1.49	1.90	2.17	1.45	1.92	1.75
n-hexane	7.29	4.97	5.33	7.25	8.26	6.76
methylCP	1.58	2.88	3.06	1.43	1.41	0.96
2,2-dimethylP	0.27	0.37	0.27	0.32	0.28	0.17
2,4-dimethylP	0.00	0.00	0.00	0.14	0.09	0.05
2,2,3-trimethylB	0.00	0.00	0.00	0.00	0.00	0.00
benzene	0.27	0.36	0.27	0.33	0.25	0.16
cyclohexane	1.77	2.82	3.28	1.86	1.65	1.00
3,3-dimethylP	0.00	0.00	0.00	0.00	0.00	0.00
1,1-dimethylCP	0.00	0.00	0.00	0.00	0.00	0.00
2-MH	1.68	2.06	2.11	2.05	1.94	1.02
2,3-dimethylP	0.00	0.00	0.00	0.00	0.00	0.00
3-MH	1.07	1.23	1.28	1.31	1.21	0.63
1,c,3-DMCP	0.33	0.58	0.61	0.31	0.29	0.17
1,t,3-DMCP	0.19	0.71	0.70	0.33	0.28	0.17
1,t,2-DMCP	0.70	1.42	1.40	0.66	0.57	0.34
3-ethylP	0.00	0.00	0.00	0.00	0.00	0.00
n-heptane(nC7)	2.93	2.60	2.73	3.66	3.55	1.77
methylCH	3.17	5.82	6.76	3.74	3.54	1.78
1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
toluene	0.33	0.37	0.37	0.59	0.38	0.24
ABUNDANCE(ppm)	26	26	26	13	14	12
nC7/C7NAPHTHENES	0.67	0.30	0.29	0.73	0.76	0.72
total MH/DMCP	2.26	1.21	1.25	2.58	2.76	2.42
1,t,2-/1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
nC6/methylCP	4.62	1.73	1.74	5.07	5.85	7.07
C6-C7 FRACTION						
%n-PARAFFINS	33.86	23.16	22.62	33.62	35.66	36.46
%iso-PARAFFINS	38.51	31.08	31.26	37.87	39.08	42.95
% NAPHTHENES	25.64	43.53	44.34	25.68	23.37	18.90
% AROMATICS	1.99	2.23	1.77	2.82	1.89	1.70

DMCP dimethylcyclopentane MH methylhexane B butane CH cyclohexane CP cyclopentane H hexane P pentane

TABLE 3
DETAILED GASOLINE RANGE (C_4 - C_7) COMPOSITION

GEOCHEM SAMPLE NUMBER	1706-052A	1706-054A	1706-057A	1706-060A	1706-063A	1706-065A
DEPTH	1993.00	1995.00	1998.00	2001.00	2004.00	2005.95
SAMPLE TYPE						
NORMALISED COMPOSITION						
isobutane	2.39	12.99	9.80	6.49	1.54	1.49
n-butane	6.19	23.73	23.28	14.85	2.98	2.91
isopentane	3.54	8.22	8.74	5.00	2.16	2.84
n-pentane	36.33	34.08	17.23	51.39	6.12	13.72
2,2-dimethylB	0.85	2.07	1.63	5.00	0.71	0.90
cyclopentane	0.55	0.94	1.08	0.67	1.23	1.33
2,3-dimethylB	0.46	0.37	1.12	0.29	0.26	0.82
2-methylP	4.29	2.27	4.30	1.62	7.88	8.45
3-methylP	2.31	1.50	2.62	0.97	4.33	4.51
n-hexane	9.20	6.05	6.23	8.22	11.09	11.33
methylCP	2.30	1.23	3.05	0.81	2.55	2.49
2,2-dimethylP	0.55	0.15	0.79	0.14	1.22	1.48
2,4-dimethylP	0.00	0.10	0.34	0.00	0.51	0.00
2,2,3-trimethylB	0.00	0.00	0.00	0.00	0.00	0.00
benzene	0.11	0.14	0.42	0.11	0.37	0.36
cyclohexane	2.67	1.28	3.23	0.80	2.06	2.18
3,3-dimethylP	0.00	0.00	0.00	0.00	0.00	0.00
1,1-dimethylCP	0.00	0.00	0.00	0.00	0.00	0.00
2-MH	4.15	0.88	2.84	0.61	10.58	8.72
2,3-dimethylP	0.00	0.00	0.00	0.00	0.00	0.00
3-MH	2.79	0.48	1.66	0.35	7.35	5.81
1,c,3-DMCP	0.78	0.16	0.55	0.12	1.27	1.14
1,t,3-DMCP	0.46	0.17	0.62	0.07	0.89	0.79
1,t,2-DMCP	1.81	0.34	1.25	0.24	3.16	2.55
3-ethylP	0.00	0.00	0.00	0.00	0.00	0.00
n-heptane(nC7)	7.67	1.14	4.00	1.00	14.65	11.94
methylCH	10.16	1.59	4.68	1.05	16.23	13.52
1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
toluene	0.45	0.13	0.55	0.20	0.89	0.71
ABUNDANCE(ppm)	7	13	28	30	13	6
nC7/C7NAPHTHENES	0.58	0.51	0.56	0.68	0.68	0.66
total MH/DMCP	2.27	2.03	1.87	2.21	3.37	3.24
1,t,2-/1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
nC6/methylCP	4.00	4.91	2.04	10.12	4.35	4.55
C6-C7 FRACTION						
%n-PARAFFINS	33.08	35.88	25.63	42.70	29.94	29.95
%iso-PARAFFINS	30.19	39.02	38.39	41.54	38.17	39.49
% NAPHTHENES	35.65	23.79	33.55	14.32	30.42	29.18
% AROMATICS	1.09	1.31	2.43	1.44	1.46	1.38

DMCP dimethylcyclopentane MH methylhexane B butane CH cyclohexane CP cyclopentane H hexane P pentane

TABLE 3
DETAILED GASOLINE RANGE (C_4 - C_7) COMPOSITION

GEOCHEM SAMPLE NUMBER	1706-067A	1706-069A	1706-070A	1706-071A	1706-073A	1706-076A
DEPTH	2008.00	2011.00	2013.00	2014.00	2017.00	2021.00
SAMPLE TYPE						
NORMALISED COMPOSITION						
isobutane	7.79	10.49	7.67	9.41	7.82	7.76
n-butane	15.05	19.61	17.88	19.13	19.13	17.27
isopentane	6.23	7.96	7.54	7.53	8.11	7.34
n-pentane	30.02	38.94	41.28	40.54	31.71	35.50
2,2-dimethylB	1.57	1.46	1.94	1.37	4.68	1.67
cyclopentane	1.01	0.94	0.83	1.12	1.03	0.87
2,3-dimethylB	0.88	0.39	0.75	0.46	1.08	0.54
2-methylP	3.56	2.54	3.35	3.01	3.72	2.71
3-methylP	2.48	1.33	2.00	1.69	2.02	1.59
n-hexane	6.81	3.92	4.47	4.45	5.13	4.03
methylCP	2.07	1.68	1.60	1.67	2.27	2.21
2,2-dimethylP	1.84	0.52	0.15	0.24	0.31	0.54
2,4-dimethylP	0.00	0.00	0.00	0.00	0.00	0.35
2,2,3-trimethylB	0.00	0.00	0.00	0.00	0.00	0.00
benzene	0.34	0.19	0.12	0.14	0.18	0.41
cyclohexane	4.40	1.81	1.63	1.61	1.65	2.99
3,3-dimethylP	0.00	0.00	0.00	0.00	0.00	0.00
1,1-dimethylCP	0.00	0.00	0.00	0.00	0.00	0.00
2-MH	3.43	1.51	1.44	1.32	1.99	2.49
2,3-dimethylP	0.00	0.00	0.00	0.00	0.00	0.00
3-MH	1.99	0.83	0.86	0.77	1.24	1.36
1,c,3-DMCP	0.56	0.32	0.27	0.28	0.60	0.72
1,t,3-DMCP	0.69	0.16	0.31	0.19	0.68	0.79
1,t,2-DMCP	1.38	0.63	0.62	0.58	1.35	1.58
3-ethylP	0.00	0.00	0.00	0.00	0.00	0.00
n-heptane(nC7)	3.98	1.88	2.04	1.93	2.36	3.18
methylCH	3.57	2.44	2.80	2.45	2.66	3.76
1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
toluene	0.36	0.48	0.44	0.09	0.30	0.34
ABUNDANCE(ppm)	25	19	12	18	14	16
nC7/C7NAPHTHENES	0.64	0.53	0.51	0.55	0.45	0.47
total MH/DMCP	2.05	2.10	1.91	1.99	1.23	1.25
1,t,2-/1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
nC6/methylCP	3.29	2.33	2.80	2.66	2.26	1.83
C6-C7 FRACTION						
%n-PARAFFINS	27.04	26.26	26.25	28.68	23.23	23.07
%iso-PARAFFINS	39.45	38.77	42.31	39.80	46.68	35.99
% NAPHTHENES	31.77	31.93	29.18	30.48	28.58	38.52
% AROMATICS	1.74	3.04	2.27	1.04	1.51	2.42

DMCP dimethylcyclopentane **MH** methylhexane **B** butane **CH** cyclohexane **CP** cyclopentane **H** hexane **P** pentane

TABLE 3
DETAILED GASOLINE RANGE (C_4 - C_7) COMPOSITION

GEOCHEM SAMPLE NUMBER	1706-080A	1706-082A	1706-086A	1706-090A	1706-093A	1706-096A
DEPTH	2027.00	2030.00	2034.00	2040.00	2044.00	2047.00
SAMPLE TYPE						
NORMALISED COMPOSITION						
isobutane	12.47	12.46	11.27	5.67	13.14	8.70
n-butane	25.87	24.62	23.10	13.10	26.53	19.60
isopentane	9.99	8.59	10.95	5.09	10.77	14.62
n-pentane	27.10	31.12	23.77	55.58	21.42	16.13
2,2-dimethylB	1.71	2.70	0.66	2.77	0.74	0.64
cyclopentane	0.57	0.47	1.34	0.35	1.20	1.58
2,3-dimethylB	0.65	0.68	0.59	0.58	0.10	0.10
2-methylP	3.18	2.53	4.10	1.77	3.63	5.81
3-methylP	1.71	1.45	2.26	0.97	1.99	3.23
n-hexane	6.22	3.84	6.00	5.85	4.94	7.47
methylCP	1.78	1.39	2.59	0.98	2.18	3.56
2,2-dimethylP	0.24	0.22	0.27	0.08	0.43	0.53
2,4-dimethylP	0.01	0.18	0.07	0.03	0.00	0.00
2,2,3-trimethylB	0.00	0.00	0.00	0.00	0.00	0.00
benzene	0.17	0.31	0.03	0.03	0.08	0.52
cyclohexane	1.44	1.63	2.53	1.17	2.43	4.09
3,3-dimethylP	0.00	0.00	0.00	0.00	0.00	0.00
1,1-dimethylCP	0.00	0.00	0.00	0.00	0.00	0.00
2-MH	1.18	1.44	1.74	0.92	1.83	2.16
2,3-dimethylP	0.00	0.00	0.00	0.00	0.00	0.00
3-MH	0.70	0.72	1.04	0.55	1.05	1.33
1,c,3-DMCP	0.26	0.36	0.39	0.25	0.44	0.41
1,t,3-DMCP	0.30	0.41	0.30	0.32	0.25	0.36
1,t,2-DMCP	0.60	0.81	0.97	0.64	1.04	0.93
3-ethylP	0.00	0.00	0.00	0.00	0.00	0.00
n-heptane(nC7)	1.59	1.74	2.22	1.57	2.29	2.53
methylCH	2.06	2.18	3.75	1.67	3.35	5.10
1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
toluene	0.19	0.14	0.07	0.05	0.17	0.61
ABUNDANCE(ppm)	29	16	24	19	24	19
nC7/C7NAPHTHENES	0.49	0.46	0.41	0.55	0.45	0.37
total MH/DMCP	1.62	1.37	1.67	1.22	1.67	2.06
1,t,2-/1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
nC6/methylCP	3.49	2.77	2.32	5.98	2.26	2.10
C6-C7 FRACTION						
%n-PARAFFINS	32.54	24.58	27.79	36.75	26.84	25.39
%iso-PARAFFINS	39.14	43.60	36.29	37.99	36.25	35.04
% NAPHTHENES	26.84	29.82	35.58	24.87	35.97	36.71
% AROMATICS	1.47	2.00	0.33	0.40	0.94	2.87

DMCP dimethylcyclopentane **MH** methylhexane **B** butane **CH** cyclohexane **CP** cyclopentane **H** hexane **P** pentane

TABLE 3
DETAILED GASOLINE RANGE (C_4 - C_7) COMPOSITION

GEOCHEM SAMPLE NUMBER	1706-099A	1706-102A	1706-107A	1706-111A	1706-116A	1706-120A
DEPTH	2050.00	2053.00	2058.00	2062.00	2067.00	2073.00
SAMPLE TYPE						
NORMALISED COMPOSITION						
isobutane	41.78	8.41	21.29	10.40	7.24	9.08
n-butane	17.00	18.93	32.49	29.77	22.26	22.42
isopentane	7.55	12.25	11.65	11.58	9.27	12.64
n-pentane	9.26	19.16	14.23	14.20	14.74	16.42
2,2-dimethylB	0.40	0.76	3.41	0.46	0.55	0.74
cyclopentane	0.95	1.33	0.57	1.32	0.95	1.03
2,3-dimethylB	0.22	0.64	0.98	0.44	0.55	0.51
2-methylP	2.98	5.68	2.87	4.11	4.01	5.20
3-methylP	1.64	2.91	1.57	2.24	2.22	2.82
n-hexane	4.37	8.28	3.53	5.79	7.78	7.75
methylCP	2.02	2.80	1.22	2.95	3.52	3.36
2,2-dimethylP	0.37	0.54	0.09	0.33	0.33	0.39
2,4-dimethylP	0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-trimethylB	0.00	0.00	0.00	0.00	0.00	0.00
benzene	0.19	0.30	0.00	0.82	0.80	0.21
cyclohexane	1.86	2.71	1.31	3.60	5.49	3.77
3,3-dimethylP	0.00	0.00	0.00	0.00	0.00	0.00
1,1-dimethylCP	0.00	0.00	0.00	0.00	0.00	0.00
2-MH	1.59	2.61	0.88	1.78	2.52	2.38
2,3-dimethylP	0.00	0.00	0.00	0.00	0.00	0.00
3-MH	0.99	1.67	0.47	1.13	1.35	1.38
1,c,3-DMCP	0.34	0.43	0.22	0.34	0.74	0.52
1,t,3-DMCP	0.21	0.35	0.11	0.23	0.43	0.32
1,t,2-DMCP	0.74	0.94	0.47	0.76	1.63	0.89
3-ethylP	0.00	0.00	0.00	0.00	0.00	0.00
n-heptane(nC7)	2.24	3.74	1.01	2.29	4.61	3.43
methylCH	3.05	5.12	1.60	4.46	6.08	4.14
1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
toluene	0.25	0.43	0.03	1.01	2.93	0.60
ABUNDANCE(ppm)	59	47	12	153	33	29
nC7/C7NAPHTHENES	0.52	0.55	0.42	0.40	0.52	0.58
total MH/DMCP	1.99	2.49	1.68	2.20	1.38	2.17
1,t,2-/1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
nC6/methylCP	2.16	2.96	2.89	1.97	2.21	2.31
C6-C7 FRACTION						
%n-PARAFFINS	28.18	30.10	22.95	24.70	27.21	29.11
%iso-PARAFFINS	34.87	37.14	51.95	32.07	25.31	34.93
% NAPHTHENES	35.08	30.93	24.95	37.66	39.28	33.86
% AROMATICS	1.86	1.83	0.14	5.58	8.20	2.11

DMCP dimethylcyclopentane MH methylhexane B butane CH cyclohexane CP cyclopentane H hexane P pentane

TABLE 3
DETAILED GASOLINE RANGE (C_4 - C_7) COMPOSITION

GEOCHEM SAMPLE NUMBER	1706-124A	1706-128A	1706-132A	1706-135A	1706-139A	1706-142A
DEPTH	2077.00	2081.00	2085.00	2088.00	2092.00	2095.00
SAMPLE TYPE						
NORMALISED COMPOSITION						
isobutane	5.55	10.01	14.36	9.12	9.53	2.04
n-butane	13.45	15.36	28.60	22.14	26.64	6.04
isopentane	7.81	12.91	12.09	8.56	11.14	1.99
n-pentane	16.49	14.15	15.78	25.03	15.58	45.69
2,2-dimethylB	2.82	0.55	1.76	2.08	0.39	16.10
cyclopentane	1.01	2.01	0.86	0.91	1.65	0.56
2,3-dimethylB	0.69	0.10	0.94	1.10	0.23	1.96
2-methylP	6.28	5.69	3.91	3.78	3.94	1.05
3-methylP	3.40	3.28	2.09	2.10	2.16	0.59
n-hexane	10.54	7.75	5.69	6.90	6.33	18.52
methylCP	3.42	4.38	2.93	2.46	3.59	0.79
2,2-dimethylP	0.73	0.27	0.31	0.26	0.22	0.00
2,4-dimethylP	0.00	0.13	0.00	0.00	0.00	0.00
2,2,3-trimethylB	0.00	0.00	0.00	0.00	0.00	0.00
benzene	0.00	0.76	0.32	0.24	0.98	0.00
cyclohexane	3.98	5.49	3.06	3.39	4.97	1.51
3,3-dimethylP	0.00	0.00	0.00	0.00	0.00	0.00
1,1-dimethylCP	0.00	0.00	0.00	0.00	0.00	0.00
2-MH	4.43	2.64	1.42	1.94	1.73	0.55
2,3-dimethylP	0.00	0.00	0.00	0.00	0.00	0.00
3-MH	2.63	1.62	0.64	1.16	1.04	0.00
1,c,3-DMCP	1.10	0.54	0.53	0.47	0.36	0.00
1,t,3-DMCP	0.73	0.42	0.29	0.30	0.29	0.00
1,t,2-DMCP	1.46	1.11	0.58	1.02	0.79	0.00
3-ethylP	0.00	0.00	0.00	0.00	0.00	0.00
n-heptane(nC7)	5.76	3.02	1.24	2.80	2.27	0.99
methylCH	7.72	6.97	2.57	3.70	4.79	1.63
1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
toluene	0.00	0.83	0.05	0.53	1.39	0.00
ABUNDANCE(ppm)	16	459	7	22	11	22
nC7/C7NAPHTHENES	0.52	0.33	0.31	0.51	0.36	0.61
total MH/DMCP	2.15	2.06	1.48	1.73	1.91	0.00
1,t,2-/1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
nC6/methylCP	3.08	1.77	1.94	2.81	1.76	23.40
C6-C7 FRACTION						
%n-PARAFFINS	29.28	23.65	24.48	28.33	24.27	44.66
%iso-PARAFFINS	37.68	31.36	39.08	36.29	27.36	46.35
% NAPHTHENES	33.04	41.52	35.15	33.12	41.71	8.99
% AROMATICS	0.00	3.47	1.28	2.25	6.66	0.00

DMCP dimethylcyclopentane MH methylhexane B butane CH cyclohexane CP cyclopentane H hexane P pentane

TABLE 3
DETAILED GASOLINE RANGE (C_4 - C_7) COMPOSITION

GEOCHEM SAMPLE NUMBER	1706-143A	1706-146A	1706-147A	1706-149A	1706-152A
DEPTH	2096.00	2099.00	2100.75	2102.75	2105.75
SAMPLE TYPE					
NORMALISED COMPOSITION					
isobutane	7.50	11.93	11.20	11.15	11.87
n-butane	19.80	25.15	20.51	18.92	25.13
isopentane	10.28	10.83	8.30	16.05	10.55
n-pentane	15.98	18.59	38.99	16.34	19.81
2,2-dimethylB	0.39	0.34	0.82	0.67	0.79
cyclopentane	1.58	0.54	0.53	1.78	1.65
2,3-dimethylB	0.16	0.00	0.60	0.07	0.29
2-methylP	4.42	4.29	3.58	5.57	4.38
3-methylP	2.47	2.17	1.89	3.19	2.47
n-hexane	7.92	6.03	5.60	5.56	6.01
methylCP	3.91	2.67	1.31	3.79	3.02
2,2-dimethylP	0.32	0.44	0.19	0.45	0.90
2,4-dimethylP	0.00	0.00	0.00	0.00	0.00
2,2,3-trimethylB	0.00	0.00	0.00	0.00	0.00
benzene	2.01	0.00	0.00	0.00	0.19
cyclohexane	5.06	2.99	1.51	4.86	3.58
3,3-dimethylP	0.00	0.00	0.00	0.00	0.00
1,1-dimethylCP	0.00	0.00	0.00	0.00	0.00
2-MH	2.06	2.44	1.40	1.99	2.10
2,3-dimethylP	0.00	0.00	0.00	0.00	0.00
3-MH	1.27	1.37	0.19	1.04	1.09
1,c,3-DMCP	0.48	0.53	0.00	0.52	0.47
1,t,3-DMCP	0.36	0.35	0.00	0.27	0.30
1,t,2-DMCP	0.98	0.70	0.00	1.14	0.91
3-ethylP	0.00	0.00	0.00	0.00	0.00
n-heptane(nC7)	3.27	3.65	1.53	1.31	1.19
methylCH	6.27	4.42	1.84	5.29	3.10
1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00
toluene	3.52	0.59	0.00	0.03	0.22
ABUNDANCE(ppm)	263	29	9	78	32
nC7/C7NAPHTHENES	0.40	0.61	0.83	0.18	0.25
total MH/DMCP	1.83	2.42	0.00	1.57	1.90
1,t,2-/1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00
nC6/methylCP	2.02	2.26	4.27	1.47	1.99
C6-C7 FRACTION					
%n-PARAFFINS	24.94	29.36	34.83	19.23	23.22
%iso-PARAFFINS	24.71	33.50	42.37	36.32	38.76
% NAPHTHENES	38.02	35.35	22.81	44.36	36.72
% AROMATICS	12.33	1.79	0.00	0.09	1.30

DMCP dimethylcyclopentane MH methylhexane B butane CH cyclohexane CP cyclopentane H hexane P pentane

TABLE 3
DETAILED GASOLINE RANGE (C_4 - C_7) COMPOSITION

GEOCHEM SAMPLE NUMBER	1706-155A	1706-159A
DEPTH	2108.75	2114.00
SAMPLE TYPE		
NORMALISED COMPOSITION		
isobutane	13.51	10.30
n-butane	25.55	16.32
isopentane	9.32	9.24
n-pentane	26.71	17.26
2,2-dimethylB	2.87	0.95
cyclopentane	0.79	1.48
2,3-dimethylB	0.76	0.24
2-methylP	3.12	6.33
3-methylP	1.80	3.54
n-hexane	5.82	6.78
methylCP	1.64	2.69
2,2-dimethylP	0.25	0.91
2,4-dimethylP	0.13	0.00
2,2,3-trimethylB	0.00	0.00
benzene	0.27	0.10
cyclohexane	1.94	2.78
3,3-dimethylP	0.00	0.00
1,1-dimethylCP	0.00	0.00
2-MH	1.11	4.19
2,3-dimethylP	0.00	0.00
3-MH	0.57	2.60
1,c,3-DMCP	0.24	0.70
1,t,3-DMCP	0.21	0.42
1,t,2-DMCP	0.41	1.59
3-ethylP	0.00	0.00
n-heptane(nC7)	1.20	4.25
methylCH	1.61	7.00
1,c,2-DMCP	0.00	0.00
toluene	0.17	0.31
ABUNDANCE(ppm)	29	40
nC7/C7NAPHTHENES	0.48	0.44
total MH/DMCP	1.93	2.51
1,t,2-/1,c,2-DMCP	0.00	0.00
nC6/methylCP	3.55	2.52
C6-C7 FRACTION		
%n-PARAFFINS	29.08	24.30
%iso-PARAFFINS	43.95	41.35
% NAPHTHENES	25.13	33.44
% AROMATICS	1.84	0.91

DMCP dimethylcyclopentane **MH** methylhexane **B** butane **CH** cyclohexane **CP** cyclopentane **H** hexane **P** pentane

TABLE 4a

TCT NORMALISED PERCENTAGES

WELL :7219/9-1

SAMPLE NUMBER	DEPTH	% Cx-C5	% C6-C14	% C15+	% C17	ABUNDANCE ppm
1706-001A	1923.00	2.37	91.17	6.46	0.12	215
1706-002A	1928.00	15.53	68.17	16.29	0.52	83
1706-003A	1933.00	16.32	73.16	10.52	0.28	136
1706-004A	1935.00	13.82	80.37	5.81	0.07	280
1706-006A	1937.00	13.01	80.59	6.40	0.36	306
1706-008A	1939.00	9.43	79.49	11.08	0.49	380
1706-010A	1943.00	19.67	77.32	3.01	0.00	232
1706-012A	1945.00	15.28	78.29	6.43	0.31	435
1706-013A	1949.00	8.41	53.18	38.41	2.22	127
1706-014A	1950.00	10.40	80.71	8.89	0.71	418
1706-016A	1952.00	3.67	35.68	60.65	4.57	2538
1706-018A	1954.00	0.26	14.58	85.16	6.59	1938
1706-020A	1956.00	0.54	21.03	78.42	4.92	911
1706-023A	1959.00	1.00	15.46	83.54	5.12	2022
1706-024A	1960.00	1.97	18.17	79.86	4.42	1713
1706-026A	1962.00	0.91	21.33	77.75	4.64	1013
1706-027A	1963.00	1.34	16.57	82.09	5.20	1124
1706-030A	1966.00	2.91	12.09	84.99	5.29	627
1706-032A	1968.00	5.75	19.30	74.95	4.93	534
1706-034A	1970.00	3.10	15.52	81.38	4.69	464
1706-036A	1972.00	2.47	16.67	80.86	5.09	384
1706-038A	1975.00	1.47	18.23	80.29	4.11	1151
1706-040A	1977.00	1.77	13.82	84.42	5.96	513
1706-041A	1979.00	1.27	11.49	87.24	5.18	1520
1706-043A	1982.00	1.58	14.99	83.43	5.74	1552
1706-045A	1985.00	3.35	50.76	45.89	2.67	107
1706-046A	1986.00	3.99	46.40	49.61	1.60	107
1706-048A	1989.00	0.99	26.24	72.76	4.80	941
1706-049A	1990.00	3.86	17.80	78.34	5.84	3282
1706-051A	1992.00	2.06	12.69	85.25	4.65	2592
1706-052A	1993.00	0.79	10.21	89.00	5.71	3590
1706-054A	1995.00	0.39	19.07	80.54	4.89	1130
1706-057A	1998.00	4.98	11.03	83.99	3.79	692
1706-060A	2001.00	3.50	15.07	81.44	4.86	859
1706-063A	2004.00	2.20	10.99	86.82	4.20	643
1706-065A	2005.95	1.93	9.25	88.82	4.60	392
1706-067A	2008.00	4.63	11.71	83.66	5.27	1306
1706-069A	2011.00	5.37	11.58	83.05	5.53	919
1706-070A	2013.00	1.89	11.23	86.88	4.91	838
1706-071A	2014.00	1.91	12.62	85.47	4.26	935
1706-073A	2017.00	2.17	13.95	83.88	5.13	1081
1706-076A	2021.00	2.35	25.01	72.64	3.80	1223
1706-080A	2027.00	4.88	16.95	78.17	5.78	875
1706-082A	2030.00	0.64	11.30	88.07	5.67	2597
1706-086A	2034.00	2.43	24.22	73.35	5.60	1113
1706-090A	2040.00	1.15	31.40	67.45	5.03	2978
1706-093A	2044.00	0.80	14.92	84.28	4.75	2165
1706-096A	2047.00	1.15	27.33	71.52	7.73	1316
1706-099A	2050.00	9.58	11.66	78.76	4.51	624
1706-102A	2053.00	0.36	13.42	86.22	4.69	2222

TABLE 4a

TCT NORMALISED PERCENTAGES

WELL :7219/9-1

SAMPLE NUMBER	DEPTH	% Cx-C5	% C6-C14	% C15+	% C17	ABUNDANCE ppm
1706-107A	2058.00	0.44	29.18	70.38	6.13	2802
1706-111A	2062.00	2.25	43.47	54.27	2.30	1046
1706-116A	2067.00	0.24	21.10	78.67	5.51	5422
1706-120A	2073.00	0.36	23.98	75.66	4.09	3947
1706-124A	2077.00	1.09	54.61	44.30	3.63	3496
1706-128A	2081.00	4.27	56.77	38.96	2.93	2153
1706-132A	2085.00	0.82	19.62	79.56	6.06	1313
1706-135A	2088.00	0.51	12.33	87.16	5.67	561
1706-139A	2092.00	0.29	18.60	81.11	4.71	1454
1706-142A	2095.00	1.44	27.96	70.60	4.56	2633
1706-143A	2096.00	1.16	45.17	53.68	2.98	1451
1706-146A	2099.00	0.16	22.72	77.12	5.18	3510
1706-147A	2100.75	1.61	32.41	65.99	3.41	2225
1706-149A	2102.75	0.77	40.49	58.74	3.99	3129
1706-152A	2105.75	2.34	20.24	77.42	3.97	582
1706-155A	2108.75	1.38	13.32	85.29	4.68	1933
1706-159A	2114.00	1.17	18.43	80.40	5.06	1305

TABLE 4b

TCT NORMALISED PERCENTAGES

WELL :7219/9-1

SAMPLE NUMBER	DEPTH	% Cx-C6	% C7-C14	% C15+	% C17	ABUNDANCE ppm
1706-001A	1923.00	7.19	86.35	6.46	0.12	215
1706-002A	1928.00	18.18	65.53	16.29	0.52	83
1706-003A	1933.00	26.72	62.76	10.52	0.28	136
1706-004A	1935.00	29.59	64.60	5.81	0.07	280
1706-006A	1937.00	22.54	71.06	6.40	0.36	306
1706-008A	1939.00	19.22	69.69	11.08	0.49	380
1706-010A	1943.00	28.42	68.56	3.01	0.00	232
1706-012A	1945.00	27.09	66.48	6.43	0.31	435
1706-013A	1949.00	13.25	48.34	38.41	2.22	127
1706-014A	1950.00	15.54	75.57	8.89	0.71	418
1706-016A	1952.00	4.59	34.76	60.65	4.57	2538
1706-018A	1954.00	0.48	14.37	85.16	6.59	1938
1706-020A	1956.00	0.78	20.80	78.42	4.92	911
1706-023A	1959.00	1.32	15.14	83.54	5.12	2022
1706-024A	1960.00	2.80	17.34	79.86	4.42	1713
1706-026A	1962.00	1.42	20.82	77.75	4.64	1013
1706-027A	1963.00	2.77	15.14	82.09	5.20	1124
1706-030A	1966.00	3.23	11.78	84.99	5.29	627
1706-032A	1968.00	6.63	18.42	74.95	4.93	534
1706-034A	1970.00	4.60	14.02	81.38	4.69	464
1706-036A	1972.00	3.45	15.69	80.86	5.09	384
1706-038A	1975.00	3.87	15.84	80.29	4.11	1151
1706-040A	1977.00	2.18	13.41	84.42	5.96	513
1706-041A	1979.00	1.88	10.88	87.24	5.18	1520
1706-043A	1982.00	1.91	14.67	83.43	5.74	1552
1706-045A	1985.00	9.85	44.26	45.89	2.67	107
1706-046A	1986.00	9.34	41.06	49.61	1.60	107
1706-048A	1989.00	2.14	25.09	72.76	4.80	941
1706-049A	1990.00	4.31	17.35	78.34	5.84	3282
1706-051A	1992.00	2.48	12.27	85.25	4.65	2592
1706-052A	1993.00	0.84	10.16	89.00	5.71	3590
1706-054A	1995.00	0.61	18.85	80.54	4.89	1130
1706-057A	1998.00	5.63	10.38	83.99	3.79	692
1706-060A	2001.00	4.48	14.08	81.44	4.86	859
1706-063A	2004.00	3.49	9.69	86.82	4.20	643
1706-065A	2005.95	2.10	9.08	88.82	4.60	392
1706-067A	2008.00	5.09	11.25	83.66	5.27	1306
1706-069A	2011.00	5.60	11.35	83.05	5.53	919
1706-070A	2013.00	2.97	10.15	86.88	4.91	838
1706-071A	2014.00	3.26	11.27	85.47	4.26	935
1706-073A	2017.00	3.41	12.71	83.88	5.13	1081
1706-076A	2021.00	4.47	22.89	72.64	3.80	1223
1706-080A	2027.00	5.81	16.01	78.17	5.78	875
1706-082A	2030.00	0.81	11.13	88.07	5.67	2597
1706-086A	2034.00	3.29	23.37	73.35	5.60	1113
1706-090A	2040.00	1.36	31.19	67.45	5.03	2978
1706-093A	2044.00	1.05	14.67	84.28	4.75	2165
1706-096A	2047.00	1.73	26.75	71.52	7.73	1316
1706-099A	2050.00	10.21	11.03	78.76	4.51	624
1706-102A	2053.00	0.62	13.17	86.22	4.69	2222

TABLE 4b

TCT NORMALISED PERCENTAGES

WELL :7219/9-1

SAMPLE NUMBER	DEPTH	% Cx-C6	% C7-C14	% C15+	% C17	ABUNDANCE ppm
1706-107A	2058.00	0.67	28.95	70.38	6.13	2802
1706-111A	2062.00	7.84	37.89	54.27	2.30	1046
1706-116A	2067.00	0.29	21.05	78.67	5.51	5422
1706-120A	2073.00	0.82	23.25	75.93	4.11	3947
1706-124A	2077.00	2.42	53.28	44.30	3.63	3496
1706-128A	2081.00	7.68	53.36	38.96	2.93	2153
1706-132A	2085.00	1.34	19.10	79.56	6.06	1313
1706-135A	2088.00	0.66	12.19	87.16	5.67	561
1706-139A	2092.00	0.66	18.23	81.11	4.71	1454
1706-142A	2095.00	1.88	27.52	70.60	4.56	2633
1706-143A	2096.00	1.31	45.01	53.68	2.98	1451
1706-146A	2099.00	0.36	22.52	77.12	5.18	3510
1706-147A	2100.75	1.93	32.09	65.99	3.41	2225
1706-149A	2102.75	1.41	39.85	58.74	3.99	3129
1706-152A	2105.75	2.84	19.74	77.42	3.97	582
1706-155A	2108.75	1.53	13.18	85.29	4.68	1933
1706-159A	2114.00	1.32	18.28	80.40	5.06	1305

TABLE 5
CONCENTRATION (PPM) OF EXTRACTED C_{15+} MATERIAL IN ROCK

JOB GEOCHEM SAMPLE NUMBER	LITHO	DEPTH	TOTAL EXTRACT	HYDROCARBONS			NON HYDROCARBONS			
				Saturates	Aromatics	TOTAL	Preciptd. Asphaltenes	Eluted NSO's	Non-eluted NSO's	TOTAL
1706-001A		1923.00	369	45	30	75	130	163	1	294
1706-002A		1928.00	117	27	7	33	25	58	1	83
1706-003A		1933.00	219	37	8	44	67	106	1	175
1706-004A		1935.00	453	37	36	73	142	237	1	380
1706-005A		1936.00	386	29	14	43	134	208	1	343
1706-006A		1937.00	494	49	20	70	154	270	1	424
1706-007A		1938.00	450	41	10	52	110	288	1	399
1706-008A		1939.00	34	3	0	4	23	6	0	30
1706-009A		1942.00	284	28	14	42	110	132	0	242
1706-010A		1943.00	419	51	21	72	161	185	1	347
1706-011A		1944.00	122	9	3	12	47	62	1	109
1706-012A		1945.00	611	122	31	153	128	329	1	457
1706-013A		1949.00	179	63	9	72	38	68	1	107
1706-014A		1950.00	596	254	58	311	131	153	0	284
1706-015A		1951.00	2585	1790	227	2016	96	470	3	569
1706-016A		1952.00	3086	2056	305	2361	266	454	6	726
1706-017A		1953.00	2402	1718	230	1948	99	352	2	454
1706-018A		1954.00	1110	797	107	903	67	134	5	206
1706-019A		1955.00	2461	1815	247	2061	134	260	5	399
1706-020A		1956.00	1095	812	98	910	83	100	2	185
1706-021A		1957.00	2308	1751	219	1970	117	219	2	338
1706-022A		1958.25	1030	808	105	913	33	82	2	116
1706-023A		1959.00	2370	1822	234	2056	124	189	2	314
1706-024A		1960.00	2019	1502	211	1713	115	186	4	305
1706-025A		1961.25	1039	788	69	857	46	134	2	182
1706-026A		1962.00	1214	903	81	984	88	140	2	230
1706-027A		1963.00	1301	997	84	1081	51	166	3	220
1706-028A		1964.25	1325	1008	89	1097	86	139	3	228
1706-029A		1965.05	427	287	28	315	24	88	1	112
1706-030A		1966.00	755	523	43	566	59	129	2	189
1706-031A		1967.25	666	443	71	514	61	90	1	152
1706-032A		1968.00	60	25	4	29	22	8	1	31
1706-033A		1969.00	920	645	91	736	105	78	1	184
1706-034A		1970.00	606	403	35	438	90	77	1	168
1706-035A		1971.00	127	64	5	69	29	28	1	58
1706-036A		1972.00	467	321	29	350	40	76	1	117
1706-037A		1974.00	79	35	3	38	26	14	1	41
1706-038A		1975.00	153	95	8	102	25	24	1	50
1706-039A		1976.00	139	74	6	80	43	16	1	59
1706-040A		1977.00	41	10	1	11	26	4	1	31
1706-041A		1979.00	632	435	51	485	54	92	1	147
1706-042A		1980.00	314	216	22	238	32	43	1	76
1706-043A		1982.00	1928	1357	205	1562	203	159	4	366
1706-044A		1983.00	577	399	63	462	61	53	2	115
1706-045A		1985.00	200	55	27	82	81	37	1	118
1706-046A		1986.00	272	49	41	91	96	85	1	182
1706-047A		1988.10	562	397	62	459	51	51	1	103
1706-048A		1989.00	1138	803	132	935	92	111	1	204
1706-049A		1990.00	3903	2928	416	3344	255	292	11	558
1706-050A		1990.95	4013	2993	440	3433	254	323	3	581
1706-051A		1992.00	2958	2290	325	2616	78	264	1	343
1706-052A		1993.00	4171	3223	443	3666	182	323	1	505
1706-053A		1993.95	5541	3308	1410	4717	119	694	11	824

S — shale, SS — sandstone, L — limestone, D — dolomite, M — mixed, see Table 1.

TABLE 5
CONCENTRATION (PPM) OF EXTRACTED C_{15+} MATERIAL IN ROCK

JOB / GEOCHEM SAMPLE NUMBER	LITHO	DEPTH	TOTAL EXTRACT	HYDROCARBONS			NON HYDROCARBONS			
				Saturates	Aromatics	TOTAL	Precipitd. Asphaltenes	Eluted NSO's	Non-eluted NSO's	TOTAL
1706-054A		1995.00	1290	1002	120	1122	35	130	3	168
1706-055A		1996.00	1018	801	96	897	33	88	1	122
1706-056A		1996.95	3031	2306	319	2624	109	293	6	407
1706-057A		1998.00	810	566	71	638	42	129	2	173
1706-058A		1999.00	1415	1050	121	1172	111	132	1	244
1706-059A		1999.95	555	406	44	450	38	67	1	105
1706-060A		2001.00	1004	770	92	863	49	90	3	142
1706-061A		2002.00	1194	860	125	985	77	129	2	209
1706-062A		2002.95	2249	1515	280	1795	193	256	4	454
1706-063A		2004.00	767	565	73	638	53	76	2	130
1706-064A		2005.00	761	558	69	627	58	75	2	134
1706-065A		2005.95	125	78	10	88	23	14	1	37
1706-066A		2007.00	998	722	99	821	63	113	2	178
1706-067A		2008.00	1511	1142	144	1285	60	164	2	226
1706-068A		2010.00	1269	921	139	1060	84	123	3	210
1706-069A		2011.00	1074	773	113	886	53	133	2	188
1706-070A		2013.00	992	703	107	811	60	119	2	181
1706-071A		2014.00	1086	818	108	926	47	111	2	160
1706-072A		2015.00	1115	785	118	903	109	101	2	212
1706-073A		2017.00	1255	939	155	1094	53	106	2	161
1706-074A		2018.00	1073	774	137	911	43	116	3	162
1706-075A		2020.00	1151	788	134	922	68	158	3	229
1706-076A		2021.00	270	190	34	224	22	24	0	47
1706-077A		2023.00	409	285	52	337	39	32	1	72
1706-078A		2024.00	638	431	90	520	58	58	1	117
1706-079A		2026.00	43	27	5	32	5	6	0	11
1706-080A		2027.00	445	323	54	378	28	38	1	67
1706-081A		2029.00	1014	769	98	867	69	76	3	147
1706-082A		2030.00	3006	2290	323	2613	121	265	6	393
1706-083A		2031.00	1481	1111	156	1266	51	160	3	214
1706-084A		2032.00	1307	1028	140	1169	30	106	3	139
1706-085A		2033.00	1596	1224	161	1385	75	132	3	211
1706-086A		2034.00	1283	1008	136	1144	46	92	1	139
1706-087A		2036.00	1577	1237	170	1407	56	113	2	170
1706-088A		2037.00	1091	807	112	920	41	128	2	172
1706-089A		2039.00	2713	2165	264	2429	67	211	6	284
1706-090A		2040.00	3427	2743	318	3061	118	245	3	366
1706-091A		2042.00	1413	1126	140	1267	49	95	2	146
1706-092A		2043.00	1188	960	110	1069	37	78	4	119
1706-093A		2044.00	2514	1944	255	2199	109	205	2	316
1706-094A		2045.00	1588	1208	154	1361	79	145	3	227
1706-095A		2046.00	43	17	3	20	19	3	0	23
1706-096A		2047.00	1521	1192	149	1341	59	119	3	180
1706-097A		2048.50	2091	1633	202	1835	112	140	4	257
1706-098A		2049.00	3871	2986	299	3284	180	398	8	586
1706-099A		2050.00	730	545	50	595	37	97	0	134
1706-100A		2051.50	2525	1979	187	2166	82	261	15	358
1706-101A		2052.00	186	130	12	142	17	27	0	44
1706-102A		2053.00	260	198	18	216	14	30	1	45
1706-103A		2054.50	349	271	25	296	17	36	1	54
1706-104A		2055.00	1533	1170	138	1309	60	160	5	225
1706-105A		2056.00	673	515	47	562	53	58	0	111
1706-106A		2057.50	3442	2664	271	2935	170	330	7	507

S — shale, SS — sandstone, L — limestone, D — dolomite, M — mixed, see Table 1.

TABLE 5
CONCENTRATION (PPM) OF EXTRACTED C_{15+} MATERIAL IN ROCK

JOB / GEOCHEM SAMPLE NUMBER	LITHO	DEPTH	TOTAL EXTRACT	HYDROCARBONS			NON HYDROCARBONS			
				Saturates	Aromatics	TOTAL	Precipitd. Asphaltenes	Eluted NSO's	Non-eluted NSO's	TOTAL
1706-107A		2058.00	3242	2563	258	2821	127	283	10	421
1706-108A		2059.00	3362	2697	265	2962	129	265	6	400
1706-109A		2060.50	236	81	11	92	59	85	1	144
1706-110A		2061.00	1669	1308	123	1431	86	149	3	238
1706-111A		2062.00	64	36	3	39	13	12	0	25
1706-112A		2063.50	857	440	93	533	114	207	2	323
1706-113A		2064.00	3806	2927	308	3235	220	344	7	571
1706-114A		2065.00	3007	2381	238	2619	100	282	6	387
1706-115A		2066.50	1090	623	121	744	119	225	2	346
1706-116A		2067.00	6331	4934	506	5440	307	578	6	891
1706-117A		2068.00	3888	2933	337	3270	222	392	3	618
1706-118A		2069.00	4790	3735	419	4155	184	442	9	636
1706-119A		2072.50	2467	1849	195	2044	144	276	2	423
1706-120A		2073.00	3432	2610	259	2868	157	403	3	563
1706-121A		2074.00	1934	1271	189	1460	186	287	2	474
1706-122A		2075.50	2755	1937	214	2151	173	426	5	604
1706-123A		2076.00	5033	3636	486	4122	274	633	5	912
1706-124A		2077.00	4058	3100	338	3437	174	439	8	621
1706-125A		2078.50	3291	2289	279	2568	227	490	6	724
1706-126A		2079.00	5552	4262	389	4651	290	605	5	900
1706-127A		2080.00	2616	1978	185	2163	150	298	5	453
1706-128A		2081.00	2599	1825	268	2093	207	294	5	506
1706-129A		2082.00	1488	1112	151	1263	78	144	4	226
1706-130A		2083.00	1441	1075	151	1226	89	122	4	215
1706-131A		2084.50	1460	1100	128	1228	73	158	1	232
1706-132A		2085.00	1528	1182	140	1322	69	134	3	206
1706-133A		2086.00	2256	1602	206	1808	199	245	4	448
1706-134A		2087.50	2028	1499	185	1684	136	205	3	344
1706-135A		2088.00	684	487	57	544	61	77	2	139
1706-136A		2089.00	2041	1542	187	1729	135	174	4	312
1706-137A		2090.50	2081	1489	193	1682	158	238	4	400
1706-138A		2091.00	948	682	76	758	72	116	2	190
1706-139A		2092.00	1742	1312	157	1469	126	146	1	273
1706-140A		2093.00	1621	1126	132	1258	120	242	2	363
1706-141A		2094.50	404	295	26	321	42	41	1	83
1706-142A		2095.00	3072	2291	243	2534	145	387	6	538
1706-143A		2096.00	1720	1200	117	1317	108	291	3	403
1706-144A		2097.00	4158	3175	330	3505	129	516	8	653
1706-145A		2098.50	3101	2462	229	2691	90	307	13	410
1706-146A		2099.00	4134	3167	312	3479	233	414	8	655
1706-147A		2100.75	2617	1805	237	2042	145	425	5	575
1706-148A		2101.75	928	491	67	558	109	260	1	370
1706-149A		2102.75	3707	2615	341	2956	229	518	4	751
1706-150A		2103.75	2116	1506	176	1682	142	288	4	434
1706-151A		2104.75	1706	1213	149	1362	149	191	3	344
1706-152A		2105.75	707	505	53	558	60	88	1	149
1706-153B		2106.75	1821	1081	167	1248	230	340	3	573
1706-154A		2107.75	1819	1253	147	1400	186	230	3	419
1706-155A		2108.75	2277	1727	191	1919	128	226	4	359
1706-156A		2109.75	1667	1291	125	1415	87	163	2	252
1706-157A		2110.75	2096	1522	165	1686	182	224	4	410
1706-158A		2112.75	1752	1163	117	1281	187	282	3	472
1706-159A		2114.00	1544	1174	102	1276	94	173	1	268

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S — shale, SS — sandstone, L — limestone, D — dolomite, M — mixed, see Table 1.

TABLE 6
COMPOSITION (NORMALISED %) OF C_{15+} MATERIAL

JOB	LITHO	DEPTH	HYDROCARBONS		NON HYDROCARBONS		
GEOCHEM SAMPLE NUMBER			Saturates	Aromatics	Precipitd. Asphaltenes	Eluted NSO's	Non eluted NSO's
1706-001A		1923.00	12.07	8.20	35.32	44.26	0.15
1706-002A		1928.00	22.86	5.71	21.43	49.52	0.48
1706-003A		1933.00	16.76	3.46	30.85	48.67	0.27
1706-004A		1935.00	8.23	7.86	31.30	52.37	0.25
1706-005A		1936.00	7.63	3.59	34.73	53.89	0.15
1706-006A		1937.00	9.98	4.11	31.17	54.61	0.12
1706-007A		1938.00	9.18	2.30	24.37	63.93	0.22
1706-008A		1939.00	10.29	1.47	67.65	19.12	1.47
1706-009A		1942.00	9.69	5.09	38.75	46.31	0.16
1706-010A		1943.00	12.11	5.07	38.46	44.19	0.16
1706-011A		1944.00	7.58	2.37	38.39	51.18	0.47
1706-012A		1945.00	20.00	5.12	20.93	53.84	0.12
1706-013A		1949.00	35.29	5.10	21.18	38.04	0.39
1706-014A		1950.00	42.57	9.67	22.06	25.62	0.08
1706-015A		1951.00	69.24	8.77	3.70	18.19	0.10
1706-016A		1952.00	66.61	9.87	8.63	14.71	0.18
1706-017A		1953.00	71.52	9.59	4.14	14.66	0.09
1706-018A		1954.00	71.79	9.60	6.04	12.09	0.47
1706-019A		1955.00	73.74	10.03	5.46	10.58	0.19
1706-020A		1956.00	74.12	8.98	7.57	9.15	0.18
1706-021A		1957.00	75.85	9.49	5.08	9.49	0.08
1706-022A		1958.25	78.47	10.23	3.23	7.93	0.15
1706-023A		1959.00	76.88	9.87	5.22	7.97	0.07
1706-024A		1960.00	74.41	10.46	5.70	9.24	0.19
1706-025A		1961.25	75.78	6.68	4.40	12.91	0.23
1706-026A		1962.00	74.38	6.67	7.26	11.51	0.18
1706-027A		1963.00	76.63	6.44	3.96	12.77	0.20
1706-028A		1964.25	76.08	6.73	6.52	10.46	0.21
1706-029A		1965.05	67.05	6.64	5.62	20.56	0.13
1706-030A		1966.00	69.25	5.71	7.76	17.07	0.20
1706-031A		1967.25	66.56	10.65	9.15	13.48	0.17
1706-032A		1968.00	41.24	7.22	37.11	13.40	1.03
1706-033A		1969.00	70.05	9.91	11.37	8.53	0.15
1706-034A		1970.00	66.56	5.76	14.88	12.64	0.16
1706-035A		1971.00	50.25	4.06	22.84	22.34	0.51
1706-036A		1972.00	68.77	6.21	8.64	16.24	0.14
1706-037A		1974.00	44.20	3.62	33.33	18.12	0.72
1706-038A		1975.00	61.97	5.13	16.24	15.81	0.85
1706-039A		1976.00	53.31	4.13	30.99	11.16	0.41
1706-040A		1977.00	24.29	1.43	64.29	8.57	1.43
1706-041A		1979.00	68.73	8.02	8.53	14.62	0.10
1706-042A		1980.00	68.77	6.96	10.36	13.75	0.16
1706-043A		1982.00	70.40	10.64	10.53	8.23	0.21
1706-044A		1983.00	69.16	10.89	10.50	9.19	0.26
1706-045A		1985.00	27.36	13.68	40.43	18.24	0.30
1706-046A		1986.00	18.16	15.17	35.40	31.03	0.23
1706-047A		1988.10	70.60	11.05	9.01	9.12	0.21
1706-048A		1989.00	70.55	11.55	8.11	9.73	0.05
1706-049A		1990.00	75.03	10.66	6.53	7.49	0.28
1706-050A		1990.95	74.57	10.96	6.32	8.06	0.08
1706-051A		1992.00	77.42	11.00	2.63	8.93	0.02
1706-052A		1993.00	77.28	10.62	4.36	7.73	0.01
1706-053A		1993.95	59.69	25.44	2.15	12.53	0.20

S – shale, SS – sandstone, L – limestone, D – dolomite, M – mixed, see Table 1.

TABLE 6
COMPOSITION (NORMALISED %) OF C_{15+} MATERIAL

JOB	LITHO	DEPTH	HYDROCARBONS		NON HYDROCARBONS		
GEOCHEM SAMPLE NUMBER			Saturates	Aromatics	Precipitd. Asphaltenes	Eluted NSO's	Non eluted NSO's
1706-054A		1995.00	77.63	9.34	2.71	10.10	0.23
1706-055A		1996.00	78.68	9.38	3.22	8.61	0.11
1706-056A		1996.95	76.05	10.51	3.60	9.65	0.18
1706-057A		1998.00	69.88	8.82	5.16	15.92	0.22
1706-058A		1999.00	74.20	8.57	7.83	9.32	0.08
1706-059A		1999.95	73.13	7.94	6.76	11.99	0.18
1706-060A		2001.00	76.72	9.18	4.92	8.91	0.27
1706-061A		2002.00	72.02	10.50	6.47	10.82	0.19
1706-062A		2002.95	67.38	12.44	8.59	11.40	0.19
1706-063A		2004.00	73.58	9.51	6.84	9.86	0.21
1706-064A		2005.00	73.34	9.03	7.63	9.80	0.21
1706-065A		2005.95	62.66	7.73	18.03	11.16	0.43
1706-066A		2007.00	72.27	9.91	6.28	11.33	0.20
1706-067A		2008.00	75.55	9.52	3.99	10.84	0.11
1706-068A		2010.00	72.55	10.92	6.60	9.72	0.21
1706-069A		2011.00	71.98	10.55	4.90	12.37	0.20
1706-070A		2013.00	70.92	10.80	6.09	12.00	0.19
1706-071A		2014.00	75.30	9.94	4.30	10.25	0.21
1706-072A		2015.00	70.41	10.55	9.76	9.08	0.21
1706-073A		2017.00	74.78	12.36	4.25	8.43	0.18
1706-074A		2018.00	72.18	12.75	3.99	10.83	0.25
1706-075A		2020.00	68.42	11.68	5.87	13.72	0.30
1706-076A		2021.00	70.08	12.71	8.22	8.84	0.16
1706-077A		2023.00	69.70	12.78	9.49	7.77	0.26
1706-078A		2024.00	67.51	14.08	9.17	9.08	0.16
1706-079A		2026.00	63.16	10.53	10.53	14.74	1.05
1706-080A		2027.00	72.69	12.22	6.39	8.48	0.22
1706-081A		2029.00	75.86	9.62	6.77	7.47	0.27
1706-082A		2030.00	76.18	10.74	4.04	8.81	0.22
1706-083A		2031.00	75.01	10.51	3.47	10.80	0.21
1706-084A		2032.00	78.65	10.74	2.32	8.10	0.19
1706-085A		2033.00	76.69	10.09	4.72	8.30	0.21
1706-086A		2034.00	78.58	10.61	3.60	7.14	0.07
1706-087A		2036.00	78.42	10.80	3.54	7.14	0.10
1706-088A		2037.00	74.00	10.28	3.79	11.73	0.21
1706-089A		2039.00	79.79	9.75	2.46	7.79	0.21
1706-090A		2040.00	80.05	9.27	3.44	7.14	0.10
1706-091A		2042.00	79.74	9.94	3.45	6.74	0.12
1706-092A		2043.00	80.79	9.22	3.10	6.59	0.30
1706-093A		2044.00	77.31	10.14	4.32	8.14	0.10
1706-094A		2045.00	76.04	9.69	4.95	9.12	0.21
1706-095A		2046.00	40.20	5.88	45.10	7.84	0.98
1706-096A		2047.00	78.38	9.79	3.85	7.80	0.18
1706-097A		2048.50	78.08	9.64	5.37	6.72	0.19
1706-098A		2049.00	77.14	7.71	4.65	10.30	0.21
1706-099A		2050.00	74.67	6.92	5.03	13.32	0.07
1706-100A		2051.50	78.38	7.42	3.24	10.36	0.60
1706-101A		2052.00	69.90	6.31	8.98	14.56	0.24
1706-102A		2053.00	75.84	7.03	5.20	11.62	0.31
1706-103A		2054.50	77.52	7.17	4.74	10.33	0.24
1706-104A		2055.00	76.31	9.03	3.89	10.45	0.32
1706-105A		2056.00	76.59	6.94	7.85	8.56	0.06
1706-106A		2057.50	77.39	7.89	4.93	9.60	0.20

S – shale, SS – sandstone, L – limestone, D – dolomite, M – mixed, see Table 1.

TABLE 6
COMPOSITION (NORMALISED %) OF C_{15+} MATERIAL

JOB			HYDROCARBONS		NON HYDROCARBONS		
GEOCHEM SAMPLE NUMBER	LITHO	DEPTH	Saturates	Aromatics	Precipitd. Asphaltenes	Eluted NSO's	Non eluted NSO's
1706-107A		2058.00	79.06	7.96	3.93	8.74	0.31
1706-108A		2059.00	80.21	7.89	3.83	7.89	0.19
1706-109A		2060.50	34.43	4.45	25.06	35.83	0.23
1706-110A		2061.00	78.34	7.39	5.15	8.93	0.19
1706-111A		2062.00	56.64	4.90	19.58	18.18	0.70
1706-112A		2063.50	51.36	10.89	13.36	24.19	0.19
1706-113A		2064.00	76.89	8.10	5.78	9.05	0.19
1706-114A		2065.00	79.19	7.93	3.32	9.38	0.18
1706-115A		2066.50	57.19	11.07	10.92	20.68	0.15
1706-116A		2067.00	77.93	7.99	4.85	9.14	0.09
1706-117A		2068.00	75.44	8.67	5.71	10.09	0.09
1706-118A		2069.00	77.98	8.75	3.85	9.23	0.20
1706-119A		2072.50	74.93	7.91	5.85	11.21	0.10
1706-120A		2073.00	76.04	7.54	4.59	11.73	0.10
1706-121A		2074.00	65.72	9.76	9.61	14.83	0.09
1706-122A		2075.50	70.30	7.78	6.28	15.47	0.16
1706-123A		2076.00	72.24	9.65	5.44	12.57	0.10
1706-124A		2077.00	76.38	8.33	4.29	10.81	0.20
1706-125A		2078.50	69.55	8.47	6.90	14.89	0.19
1706-126A		2079.00	76.77	7.02	5.23	10.89	0.09
1706-127A		2080.00	75.61	7.07	5.73	11.40	0.19
1706-128A		2081.00	70.22	10.31	7.97	11.33	0.17
1706-129A		2082.00	74.70	10.14	5.23	9.67	0.28
1706-130A		2083.00	74.60	10.50	6.16	8.47	0.27
1706-131A		2084.50	75.36	8.76	4.98	10.83	0.08
1706-132A		2085.00	77.35	9.18	4.52	8.79	0.17
1706-133A		2086.00	71.02	9.13	8.83	10.85	0.18
1706-134A		2087.50	73.90	9.14	6.70	10.09	0.17
1706-135A		2088.00	71.25	8.36	8.89	11.28	0.22
1706-136A		2089.00	75.55	9.16	6.61	8.50	0.18
1706-137A		2090.50	71.54	9.26	7.57	11.45	0.18
1706-138A		2091.00	71.96	7.97	7.60	12.29	0.18
1706-139A		2092.00	75.32	9.01	7.26	8.36	0.06
1706-140A		2093.00	69.46	8.14	7.38	14.92	0.10
1706-141A		2094.50	72.95	6.44	10.30	10.07	0.23
1706-142A		2095.00	74.60	7.90	4.73	12.58	0.18
1706-143A		2096.00	69.74	6.83	6.29	16.95	0.20
1706-144A		2097.00	76.36	7.94	3.10	12.41	0.19
1706-145A		2098.50	79.41	7.37	2.92	9.90	0.41
1706-146A		2099.00	76.61	7.55	5.65	10.01	0.19
1706-147A		2100.75	68.96	9.06	5.54	16.25	0.19
1706-148A		2101.75	52.89	7.26	11.70	28.00	0.15
1706-149A		2102.75	70.55	9.19	6.18	13.99	0.09
1706-150A		2103.75	71.18	8.30	6.70	13.61	0.21
1706-151A		2104.75	71.09	8.76	8.76	11.22	0.18
1706-152A		2105.75	71.52	7.44	8.44	12.45	0.16
1706-153B		2106.75	59.34	9.19	12.62	18.68	0.17
1706-154A		2107.75	68.88	8.08	10.20	12.65	0.18
1706-155A		2108.75	75.86	8.39	5.64	9.91	0.20
1706-156A		2109.75	77.44	7.47	5.23	9.75	0.11
1706-157A		2110.75	72.60	7.85	8.67	10.68	0.21
1706-158A		2112.75	66.37	6.70	10.69	16.09	0.15
1706-159A		2114.00	76.07	6.58	6.08	11.19	0.08

WELL 7219/9-1

S – shale, SS – sandstone, L – limestone, D – dolomite, M – mixed, see Table 1.

TABLE 7
SIGNIFICANT RATIOS (%) OF C_{15+} FRACTIONS AND ORGANIC CARBON

JOB / GEOCHEM SAMPLE NUMBER	LITHO	DEPTH	ORGANIC CARBON (wt. %)	HYDROCARBONS / TOTAL EXTRACT	HYDROCARBONS / ORG. CARBON	TOTAL EXTRACT / ORG. CARBON	SATURATES / AROMATICS
1706-001A		1923.00	0.83	20.27	0.90	4.45	1.47
1706-002A		1928.00	0.31	28.57	1.08	3.77	4.00
1706-003A		1933.00	0.76	20.21	0.58	2.88	4.85
1706-004A		1935.00	0.70	16.08	1.04	6.47	1.05
1706-005A		1936.00	0.63	11.23	0.69	6.13	2.13
1706-006A		1937.00	0.83	14.09	0.84	5.95	2.42
1706-007A		1938.00	0.62	11.48	0.83	7.26	4.00
1706-008A		1939.00	0.78	11.76	0.05	0.44	7.00
1706-009A		1942.00	0.67	14.78	0.63	4.25	1.90
1706-010A		1943.00	0.62	17.18	1.16	6.76	2.39
1706-011A		1944.00	0.58	9.95	0.21	2.10	3.20
1706-012A		1945.00	0.57	25.12	2.69	10.72	3.91
1706-013A		1949.00	0.58	40.39	1.25	3.09	6.92
1706-014A		1950.00	0.56	52.24	5.56	10.64	4.40
1706-015A		1951.00	0.32	78.01	63.01	80.78	7.90
1706-016A		1952.00	0.56	76.48	42.15	55.12	6.75
1706-017A		1953.00	0.39	81.11	49.95	61.58	7.45
1706-018A		1954.00	0.38	81.40	23.77	29.20	7.48
1706-019A		1955.00	0.48	83.77	42.95	51.27	7.35
1706-020A		1956.00	0.44	83.10	20.69	24.90	8.26
1706-021A		1957.00	0.27	85.34	72.96	85.49	7.99
1706-022A		1958.25	0.39	88.70	23.42	26.40	7.67
1706-023A		1959.00	0.09	86.74	228.45	263.37	7.79
1706-024A		1960.00	0.13	84.87	131.80	155.30	7.11
1706-025A		1961.25	0.14	82.46	61.22	74.25	11.34
1706-026A		1962.00	0.15	81.05	65.62	80.96	11.15
1706-027A		1963.00	0.10	83.08	108.06	130.08	11.89
1706-028A		1964.25	0.14	82.81	78.36	94.63	11.31
1706-029A		1965.05	0.07	73.69	44.99	61.06	10.10
1706-030A		1966.00	0.08	74.97	70.75	94.38	12.12
1706-031A		1967.25	0.08	77.20	64.30	83.29	6.25
1706-032A		1968.00	0.16	48.45	1.81	3.74	5.71
1706-033A		1969.00	0.09	79.95	81.74	102.24	7.07
1706-034A		1970.00	0.06	72.32	73.07	101.03	11.56
1706-035A		1971.00	0.13	54.31	5.32	9.80	12.37
1706-036A		1972.00	0.10	74.98	35.01	46.69	11.07
1706-037A		1974.00	0.11	47.83	3.42	7.14	12.20
1706-038A		1975.00	0.12	67.09	8.54	12.73	12.08
1706-039A		1976.00	0.17	57.44	4.70	8.19	12.90
1706-040A		1977.00	0.15	25.71	0.70	2.74	17.00
1706-041A		1979.00	0.31	76.75	15.65	20.39	8.57
1706-042A		1980.00	0.22	75.73	10.80	14.26	9.88
1706-043A		1982.00	0.22	81.03	71.00	87.62	6.62
1706-044A		1983.00	0.30	80.05	15.39	19.23	6.35
1706-045A		1985.00	0.20	41.03	4.11	10.02	2.00
1706-046A		1986.00	0.22	33.33	4.13	12.38	1.20
1706-047A		1988.10	0.45	81.65	10.21	12.50	6.39
1706-048A		1989.00	0.53	82.10	17.63	21.48	6.11
1706-049A		1990.00	0.32	85.70	104.51	121.95	7.04
1706-050A		1990.95	0.29	85.54	118.37	138.39	6.80
1706-051A		1992.00	0.10	88.42	261.55	295.82	7.04
1706-052A		1993.00	0.17	87.90	215.65	245.35	7.28
1706-053A		1993.95	0.18	85.13	262.08	307.86	2.35

S — shale, SS — sandstone, L — limestone, D — dolomite, M — mixed, see Table 1.

TABLE 7

SIGNIFICANT RATIOS (%) OF C_{15+} FRACTIONS AND ORGANIC CARBON

JOB / GEOCHEM SAMPLE NUMBER	LITHO	DEPTH	ORGANIC CARBON (wt. %)	HYDROCARBONS / TOTAL EXTRACT	HYDROCARBONS / ORG. CARBON	TOTAL EXTRACT / ORG. CARBON	SATURATES / AROMATICS
1706-054A		1995.00	0.17	86.96	66.01	75.91	8.31
1706-055A		1996.00	0.23	88.06	38.98	44.26	8.38
1706-056A		1996.95	0.17	86.56	154.36	178.32	7.24
1706-057A		1998.00	0.07	78.70	91.11	115.77	7.92
1706-058A		1999.00	0.06	82.77	195.25	235.90	8.65
1706-059A		1999.95	0.10	81.06	44.99	55.51	9.22
1706-060A		2001.00	0.05	85.90	172.54	200.87	8.35
1706-061A		2002.00	0.16	82.52	61.59	74.64	6.86
1706-062A		2002.95	0.21	79.82	85.48	107.08	5.42
1706-063A		2004.00	0.06	83.09	106.27	127.89	7.73
1706-064A		2005.00	0.09	82.37	69.64	84.55	8.12
1706-065A		2005.95	0.09	70.39	9.77	13.87	8.11
1706-066A		2007.00	0.06	82.19	136.76	166.40	7.29
1706-067A		2008.00	0.08	85.06	160.67	188.89	7.94
1706-068A		2010.00	0.05	83.47	211.91	253.87	6.64
1706-069A		2011.00	0.05	82.53	177.24	214.74	6.82
1706-070A		2013.00	0.05	81.72	162.12	198.38	6.56
1706-071A		2014.00	0.05	85.24	185.15	217.21	7.57
1706-072A		2015.00	0.05	80.95	180.57	223.05	6.68
1706-073A		2017.00	0.08	87.14	136.70	156.87	6.05
1706-074A		2018.00	0.07	84.93	130.18	153.28	5.66
1706-075A		2020.00	0.07	80.11	131.72	164.43	5.86
1706-076A		2021.00	0.08	82.79	27.99	33.81	5.51
1706-077A		2023.00	0.15	82.48	22.49	27.26	5.45
1706-078A		2024.00	0.23	81.59	22.62	27.73	4.80
1706-079A		2026.00	0.16	73.68	1.98	2.69	6.00
1706-080A		2027.00	0.13	84.91	29.06	34.22	5.95
1706-081A		2029.00	0.15	85.48	57.80	67.61	7.88
1706-082A		2030.00	0.17	86.93	153.74	176.85	7.09
1706-083A		2031.00	0.06	85.52	211.03	246.77	7.14
1706-084A		2032.00	0.08	89.39	146.09	163.43	7.32
1706-085A		2033.00	0.06	86.78	230.90	266.08	7.60
1706-086A		2034.00	0.07	89.19	163.49	183.31	7.41
1706-087A		2036.00	0.06	89.22	234.56	262.90	7.26
1706-088A		2037.00	0.07	84.28	131.37	155.88	7.20
1706-089A		2039.00	0.10	89.53	242.91	271.31	8.19
1706-090A		2040.00	0.28	89.32	109.33	122.40	8.64
1706-091A		2042.00	0.07	89.68	180.99	201.81	8.02
1706-092A		2043.00	0.04	90.01	267.29	296.96	8.76
1706-093A		2044.00	0.14	87.45	157.06	179.60	7.62
1706-094A		2045.00	0.08	85.73	170.18	198.51	7.85
1706-095A		2046.00	0.11	46.08	1.79	3.88	6.83
1706-096A		2047.00	0.74	88.18	18.13	20.56	8.00
1706-097A		2048.50	0.29	87.72	63.26	72.11	8.10
1706-098A		2049.00	0.14	84.85	234.59	276.47	10.00
1706-099A		2050.00	0.13	81.59	45.79	56.12	10.79
1706-100A		2051.50	0.17	85.81	127.43	148.51	10.56
1706-101A		2052.00	0.24	76.21	5.91	7.76	11.08
1706-102A		2053.00	0.15	82.87	14.39	17.36	10.78
1706-103A		2054.50	0.14	84.69	21.14	24.96	10.81
1706-104A		2055.00	0.28	85.34	46.73	54.76	8.45
1706-105A		2056.00	0.10	83.53	56.20	67.28	11.04
1706-106A		2057.50	0.12	85.27	244.59	286.83	9.81

S — shale, SS — sandstone, L — limestone, D — dolomite, M — mixed, see Table 1.

TABLE 7

SIGNIFICANT RATIOS (%) OF C_{15+} FRACTIONS AND ORGANIC CARBON

JOB / GEOCHEM SAMPLE NUMBER	LITHO	DEPTH	ORGANIC CARBON (wt. %)	HYDROCARBONS / TOTAL EXTRACT	HYDROCARBONS / ORG. CARBON	TOTAL EXTRACT / ORG. CARBON	SATURATES / AROMATICS
1706-107A		2058.00	0.59	87.02	47.81	54.94	9.93
1706-108A		2059.00	0.24	88.09	123.41	140.09	10.17
1706-109A		2060.50	0.05	38.88	18.37	47.26	7.74
1706-110A		2061.00	0.21	85.73	68.14	79.48	10.60
1706-111A		2062.00	0.41	61.54	0.96	1.56	11.57
1706-112A		2063.50	0.84	62.25	6.35	10.20	4.72
1706-113A		2064.00	0.10	84.99	323.50	380.64	9.49
1706-114A		2065.00	0.08	87.11	327.43	375.86	9.99
1706-115A		2066.50	1.60	68.25	4.65	6.81	5.17
1706-116A		2067.00	0.12	85.93	453.34	527.60	9.75
1706-117A		2068.00	0.32	84.11	102.20	121.50	8.70
1706-118A		2069.00	0.29	86.73	143.26	165.19	8.91
1706-119A		2072.50	0.16	82.85	127.76	154.22	9.47
1706-120A		2073.00	0.13	83.58	220.64	263.98	10.08
1706-121A		2074.00	1.22	75.47	11.97	15.86	6.74
1706-122A		2075.50	0.33	78.09	65.18	83.47	9.03
1706-123A		2076.00	0.30	81.89	137.38	167.78	7.49
1706-124A		2077.00	0.20	84.70	171.87	202.91	9.17
1706-125A		2078.50	0.62	78.01	41.41	53.08	8.22
1706-126A		2079.00	0.17	83.78	273.61	326.57	10.94
1706-127A		2080.00	0.18	82.67	120.15	145.33	10.70
1706-128A		2081.00	0.80	80.53	26.17	32.49	6.81
1706-129A		2082.00	0.16	84.83	78.91	93.02	7.37
1706-130A		2083.00	0.11	85.11	111.49	131.00	7.10
1706-131A		2084.50	0.11	84.12	111.62	132.69	8.60
1706-132A		2085.00	0.13	86.53	101.71	117.55	8.43
1706-133A		2086.00	0.10	80.14	180.83	225.63	7.78
1706-134A		2087.50	0.12	83.04	140.37	169.04	8.08
1706-135A		2088.00	0.12	79.61	45.37	56.99	8.52
1706-136A		2089.00	0.18	84.71	96.04	113.37	8.25
1706-137A		2090.50	0.07	80.80	240.25	297.35	7.73
1706-138A		2091.00	0.10	79.93	75.78	94.81	9.03
1706-139A		2092.00	0.68	84.32	21.60	25.62	8.36
1706-140A		2093.00	0.77	77.60	16.34	21.05	8.53
1706-141A		2094.50	0.10	79.39	32.09	40.42	11.33
1706-142A		2095.00	0.32	82.50	79.19	95.99	9.45
1706-143A		2096.00	0.45	76.56	29.27	38.22	10.22
1706-144A		2097.00	0.06	84.30	584.24	693.08	9.62
1706-145A		2098.50	0.13	86.78	206.99	238.53	10.77
1706-146A		2099.00	0.11	84.16	316.25	375.78	10.15
1706-147A		2100.75	0.66	78.02	30.94	39.66	7.61
1706-148A		2101.75	0.90	60.15	6.20	10.31	7.29
1706-149A		2102.75	0.36	79.74	82.10	102.96	7.67
1706-150A		2103.75	0.14	79.48	120.14	151.16	8.57
1706-151A		2104.75	0.05	79.85	272.43	341.20	8.12
1706-152A		2105.75	0.09	78.96	62.00	78.52	9.62
1706-153B		2106.75	0.86	68.53	14.51	21.17	6.46
1706-154A		2107.75	0.07	76.97	200.00	259.85	8.52
1706-155A		2108.75	0.05	84.26	383.70	455.41	9.04
1706-156A		2109.75	0.06	84.91	235.91	277.83	10.36
1706-157A		2110.75	0.12	80.45	140.52	174.68	9.25
1706-158A		2112.75	0.75	73.08	17.07	23.36	9.90
1706-159A		2114.00	0.81	82.65	15.75	19.06	11.56

WELL 7219/9-1

S – shale, SS – sandstone, L – limestone, D – dolomite, M – mixed, see Table 1.

TABLE 8

COMPOSITION (NORMALISED %) OF C_{15+} SATURATE (PARAFFIN – NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	001A	002A	003A	004A	005A
DEPTH	1923.00	1928.00	1933.00	1935.00	1936.00
SAMPLE TYPE	CORE 1	CORE 1	CORE 2	CORE 2	CORE 2
nC15	0.53	3.01	3.98	6.41	7.97
nC16	0.82	5.44	9.87	5.18	8.13
nC17	2.70	6.47	12.52	6.17	10.92
nC18	4.23	9.85	12.62	6.56	8.61
nC19	4.99	7.71	8.92	6.22	7.57
nC20	4.64	7.79	7.02	4.54	5.98
nC21	5.93	7.42	7.12	5.13	5.82
nC22	5.99	7.35	6.26	4.69	5.74
nC23	6.58	7.27	7.12	5.28	5.66
nC24	7.52	6.69	5.88	5.43	4.38
nC25	7.99	6.32	5.12	5.92	4.94
nC26	8.10	5.51	4.08	6.02	4.22
nC27	8.28	5.14	3.13	6.91	4.30
nC28	6.81	3.67	1.90	6.07	4.38
nC29	7.81	3.31	1.61	6.22	4.22
nC30	5.34	1.84	0.66	3.95	1.83
nC31	4.87	1.47	0.66	3.80	2.23
nC32	2.76	1.62	0.47	2.02	0.72
nC33	2.17	1.10	0.38	1.78	1.12
nC34	1.23	0.66	0.38	0.99	1.12
nC35	0.70	0.37	0.28	0.74	0.16
Paraffin	72.13	56.73	47.63	69.18	58.45
Isoprenoid	2.46	4.09	7.18	3.52	4.28
Naphthene	25.41	39.18	45.19	27.30	37.26
CPI 1 Index	1.05	1.04	1.10	1.09	1.06
CPI 2 Index	1.15	1.10	1.16	1.16	1.23
CPI 3 Index	1.11	1.12	1.05	1.14	1.00
Prist/Phytane	2.05	1.80	1.94	3.48	3.18
Prist/nC17	0.85	0.72	0.80	0.64	0.51
Phytane/nC18	0.26	0.26	0.41	0.17	0.20

$$C.P.I.\ 1 = \frac{1}{2}\left(\frac{C21+C23+C25+C27}{C20+C22+C24+C26} + \frac{C21+C23+C25+C27}{C22+C24+C26+C28}\right)$$

$$C.P.I.\ 2 = \frac{1}{2}\left(\frac{C25+C27+C29+C31}{C24+C26+C28+C30} + \frac{C25+C27+C29+C31}{C26+C28+C30+C32}\right)$$

$$C.P.I.\ 3 = \frac{2x\ (C27)}{C26+C28}$$

Job Number : 1706

CT – ditch cuttings CO– core SWC – sidewall core

TABLE 8

COMPOSITION (NORMALISED %) OF C_{15+} SATURATE (PARAFFIN – NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	006A	007A	008A	009A	010A
DEPTH	1937.00	1938.00	1939.00	1942.00	1943.00
SAMPLE TYPE	CORE 2	CORE 2	CORE 2	CORE 2	CORE 2
nC15	11.76	13.97	6.99	17.78	16.21
nC16	10.10	10.77	5.16	13.04	9.55
nC17	8.31	9.09	4.50	8.89	6.82
nC18	9.86	8.75	5.35	8.44	6.97
nC19	8.19	7.24	5.53	7.56	6.21
nC20	6.06	5.56	4.13	5.33	4.85
nC21	5.82	5.22	4.13	5.19	4.85
nC22	4.99	5.39	4.43	4.00	4.39
nC23	5.70	5.05	5.10	4.00	4.09
nC24	4.75	4.04	4.37	3.70	3.79
nC25	5.82	4.71	5.71	4.15	4.55
nC26	4.16	3.70	5.35	3.56	4.09
nC27	4.75	3.70	6.87	4.00	4.85
nC28	3.09	2.86	6.08	2.67	4.24
nC29	2.14	3.37	7.47	2.81	4.55
nC30	1.31	1.85	5.41	1.48	2.88
nC31	1.54	1.85	4.74	1.48	3.03
nC32	0.48	0.84	3.16	0.59	1.52
nC33	0.59	1.18	2.79	0.74	1.36
nC34	0.36	0.51	1.58	0.30	0.76
nC35	0.24	0.34	1.15	0.30	0.45
Paraffin	56.02	57.28	74.28	59.68	59.78
Isoprenoid	5.39	4.15	3.16	4.95	3.99
Naphthene	38.59	38.57	22.56	35.37	36.23
CPI 1 Index	1.20	1.08	1.14	1.14	1.09
CPI 2 Index	1.33	1.28	1.20	1.30	1.23
CPI 3 Index	1.31	1.13	1.20	1.29	1.16
Prist/Phytane	4.06	2.91	3.38	4.09	3.40
Prist/nC17	0.93	0.59	0.73	0.75	0.76
Phytane/nC18	0.19	0.21	0.18	0.19	0.22

$$C.P.I.\ 1 = \frac{1}{2}\left(\frac{C21+C23+C25+C27}{C20+C22+C24+C26} + \frac{C21+C23+C25+C27}{C22+C24+C26+C28}\right)$$

$$C.P.I.\ 2 = \frac{1}{2}\left(\frac{C25+C27+C29+C31}{C24+C26+C28+C30} + \frac{C25+C27+C29+C31}{C26+C28+C30+C32}\right)$$

$$C.P.I.\ 3 = \frac{2x\ (C27)}{C26+C28}$$

Job Number : 1706

CT – ditch cuttings, CO – core, SWC – sidewall core

TABLE 8

COMPOSITION (NORMALISED %) OF C_{15+} SATURATE (PARAFFIN – NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	011A	012A	013A	014A	015A
DEPTH	1944.00	1945.00	1949.00	1950.00	1951.00
SAMPLE TYPE	CORE 2	CORE 2	CORE 2	CORE 2	CORE 2
nC15	5.93	12.93	13.83	13.39	0.47
nC16	5.93	13.81	14.26	10.71	1.10
nC17	11.03	12.44	15.00	9.68	2.74
nC18	7.78	8.91	11.38	8.24	4.15
nC19	7.04	5.39	6.91	7.21	5.16
nC20	4.91	4.90	6.06	7.00	5.95
nC21	5.56	3.92	4.57	5.87	8.69
nC22	4.82	4.02	4.79	5.66	9.78
nC23	5.38	4.51	4.15	4.63	10.95
nC24	4.45	3.53	3.19	4.63	10.56
nC25	4.73	3.72	3.51	4.12	8.76
nC26	4.54	3.43	2.77	3.09	7.20
nC27	5.10	4.70	2.34	3.60	6.03
nC28	5.47	3.33	1.91	2.68	5.32
nC29	4.54	3.92	1.70	2.99	4.15
nC30	3.52	2.25	1.06	2.06	2.90
nC31	3.52	2.25	0.85	1.85	2.19
nC32	1.85	0.49	0.64	1.03	1.17
nC33	1.67	0.29	0.43	0.82	1.41
nC34	1.20	0.88	0.21	0.51	0.94
nC35	1.02	0.39	0.43	0.21	0.39
Paraffin	48.54	50.67	50.46	56.92	61.47
Isoprenoid	2.88	4.66	5.53	5.57	1.97
Naphthene	48.58	44.67	44.01	37.51	36.56
CPI 1 Index	1.09	1.12	1.01	1.01	1.04
CPI 2 Index	1.08	1.35	1.13	1.21	1.04
CPI 3 Index	1.02	1.39	1.00	1.25	0.96
Prist/Phytane	2.05	2.48	1.64	2.17	1.28
Prist/nC17	0.36	0.53	0.45	0.69	0.66
Phytane/nC18	0.25	0.30	0.36	0.38	0.34

C.P.I. 1 = $\frac{1}{2}\left(\frac{C21+C23+C25+C27}{C20+C22+C24+C26} + \frac{C21+C23+C25+C27}{C22+C24+C26+C28}\right)$

C.P.I. 2 = $\frac{1}{2}\left(\frac{C25+C27+C29+C31}{C24+C26+C28+C30} + \frac{C25+C27+C29+C31}{C26+C28+C30+C32}\right)$

C.P.I. 3 = $\frac{2x\ (C27)}{C26+C28}$

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TABLE 8

COMPOSITION (NORMALISED %) OF C_{15+} SATURATE (PARAFFIN – NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	016A	017A	018A	019A	020A
DEPTH	1952.00	1953.00	1954.00	1955.00	1956.00
SAMPLE TYPE	CORE 2	CORE 2	CORE 2	CORE 2	CORE 2
nC15	5.74	4.80	11.26	7.61	7.93
nC16	8.41	6.01	12.78	9.00	8.59
nC17	8.48	7.55	13.05	9.69	9.32
nC18	8.86	8.38	10.99	8.24	8.66
nC19	8.35	9.15	9.29	9.00	8.39
nC20	7.07	8.51	8.40	8.51	7.14
nC21	7.84	8.38	6.17	7.61	6.87
nC22	7.01	7.74	5.54	7.20	6.61
nC23	7.14	6.78	4.02	6.02	7.60
nC24	5.74	6.59	4.11	5.61	6.41
nC25	5.16	5.37	3.22	4.36	4.82
nC26	4.46	4.93	2.68	4.29	4.63
nC27	3.82	4.29	2.23	3.25	3.24
nC28	3.19	3.20	1.52	2.56	2.91
nC29	3.06	2.94	1.61	2.08	2.25
nC30	1.85	1.86	1.16	1.59	1.65
nC31	1.40	1.34	0.71	1.25	1.32
nC32	0.76	0.64	0.36	0.90	0.59
nC33	0.83	0.77	0.45	0.69	0.59
nC34	0.57	0.51	0.27	0.42	0.33
nC35	0.25	0.26	0.18	0.14	0.13
Paraffin	53.73	64.59	66.97	61.13	71.40
Isoprenoid	5.17	4.83	9.10	5.88	5.95
Naphthene	41.10	30.58	23.94	32.99	22.65
CPI 1 Index	1.08	1.00	0.94	0.96	1.00
CPI 2 Index	1.10	1.08	1.09	0.97	0.97
CPI 3 Index	1.00	1.06	1.06	0.95	0.86
Prist/Phytane	1.56	1.60	2.45	1.67	1.93
Prist/nC17	0.69	0.61	0.74	0.62	0.59
Phytane/nC18	0.42	0.34	0.36	0.44	0.33

$$C.P.I.\ 1 = \frac{1}{2}\left(\frac{C21+C23+C25+C27}{C20+C22+C24+C26} + \frac{C21+C23+C25+C27}{C22+C24+C26+C28}\right)$$

$$C.P.I.\ 2 = \frac{1}{2}\left(\frac{C25+C27+C29+C31}{C24+C26+C28+C30} + \frac{C25+C27+C29+C31}{C26+C28+C30+C32}\right)$$

$$C.P.I.\ 3 = \frac{2x\ (C27)}{C26+C28}$$

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TABLE 8

COMPOSITION (NORMALISED %) OF C_{15+} SATURATE (PARAFFIN – NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	021A	022A	023A	024A	025A
DEPTH	1957.00	1958.25	1959.00	1960.00	1961.25
SAMPLE TYPE	CORE 2	CORE 3	CORE 3	CORE 3	CORE 3
nC15	6.59	7.92	5.00	3.50	4.01
nC16	7.28	10.15	6.65	5.53	7.48
nC17	9.10	11.15	8.23	7.57	9.99
nC18	8.78	9.76	7.59	8.40	8.77
nC19	7.59	8.69	8.92	8.97	9.18
nC20	7.84	7.76	8.42	7.82	8.16
nC21	7.59	7.53	7.72	8.72	8.29
nC22	6.84	6.30	8.04	7.70	7.48
nC23	6.46	5.69	7.15	7.63	6.80
nC24	6.15	5.69	6.46	6.42	6.46
nC25	5.14	3.84	5.95	5.66	5.23
nC26	4.45	3.07	3.99	4.33	4.35
nC27	4.20	2.69	4.05	4.01	3.87
nC28	3.26	2.23	3.23	3.82	2.79
nC29	2.82	2.00	2.66	2.93	2.58
nC30	2.20	1.69	2.03	2.23	1.50
nC31	1.57	1.38	1.39	1.72	0.95
nC32	0.75	1.08	0.82	1.08	0.61
nC33	0.75	0.77	0.89	0.89	0.68
nC34	0.44	0.46	0.51	0.76	0.61
nC35	0.19	0.15	0.32	0.32	0.20
Paraffin	73.05	80.51	63.17	58.88	66.56
Isoprenoid	5.68	7.12	5.00	4.42	7.19
Naphthene	21.26	12.38	31.83	36.70	26.24
CPI 1 Index	1.03	1.00	1.04	1.08	1.03
CPI 2 Index	1.07	1.01	1.15	1.05	1.10
CPI 3 Index	1.09	1.01	1.12	0.98	1.09
Prist/Phytane	2.18	2.29	1.78	1.62	1.84
Prist/nC17	0.59	0.55	0.62	0.61	0.70
Phytane/nC18	0.28	0.28	0.38	0.34	0.43

C.P.I. 1 = $\frac{1}{2}\left(\frac{C21+C23+C25+C27}{C20+C22+C24+C26} + \frac{C21+C23+C25+C27}{C22+C24+C26+C28}\right)$

C.P.I. 2 = $\frac{1}{2}\left(\frac{C25+C27+C29+C31}{C24+C26+C28+C30} + \frac{C25+C27+C29+C31}{C26+C28+C30+C32}\right)$

C.P.I. 3 = $\frac{2x\ (C27)}{C26+C28}$

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TABLE 8

COMPOSITION (NORMALISED %) OF C_{15+} SATURATE (PARAFFIN – NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	026A	027A	028A	029A	030A
DEPTH	1962.00	1963.00	1964.25	1965.05	1966.00
SAMPLE TYPE	CORE 3	CORE 3	CORE 3	CORE 3	CORE 3
nC15	3.29	4.97	5.89	5.41	6.40
nC16	5.58	6.46	7.20	5.47	7.81
nC17	7.45	7.18	8.62	6.97	7.93
nC18	7.63	7.08	8.81	6.79	7.58
nC19	8.27	7.28	7.38	7.51	7.93
nC20	7.92	7.28	8.68	8.59	8.11
nC21	7.75	6.97	8.19	7.87	8.28
nC22	7.69	6.67	7.88	7.81	8.05
nC23	7.45	7.03	7.94	7.93	8.11
nC24	7.04	7.03	6.64	7.21	7.34
nC25	5.81	6.05	5.58	6.31	5.70
nC26	5.05	5.03	3.85	4.80	3.70
nC27	4.52	4.56	3.66	4.20	3.64
nC28	3.76	3.59	2.61	3.48	2.53
nC29	3.52	4.10	2.42	3.00	2.29
nC30	2.23	2.56	1.49	2.04	1.53
nC31	2.00	2.05	1.24	1.92	1.12
nC32	1.00	1.49	0.68	1.08	0.71
nC33	1.17	1.28	0.62	0.90	0.65
nC34	0.59	0.92	0.43	0.54	0.41
nC35	0.29	0.41	0.19	0.18	0.18
Paraffin	63.75	64.59	62.34	68.15	65.31
Isoprenoid	4.83	4.94	5.18	4.83	5.53
Naphthene	31.43	30.47	32.48	27.02	29.16
CPI 1 Index	1.00	1.03	1.07	1.03	1.07
CPI 2 Index	1.10	1.12	1.19	1.12	1.18
CPI 3 Index	1.03	1.06	1.13	1.01	1.17
Prist/Phytane	1.63	1.87	1.48	2.03	1.77
Prist/nC17	0.63	0.69	0.58	0.68	0.68
Phytane/nC18	0.38	0.38	0.38	0.35	0.40

$$C.P.I.\ 1 = \frac{1}{2}\left(\frac{C21+C23+C25+C27}{C20+C22+C24+C26} + \frac{C21+C23+C25+C27}{C22+C24+C26+C28}\right)$$

$$C.P.I.\ 2 = \frac{1}{2}\left(\frac{C25+C27+C29+C31}{C24+C26+C28+C30} + \frac{C25+C27+C29+C31}{C26+C28+C30+C32}\right)$$

$$C.P.I.\ 3 = \frac{2x\ (C27)}{C26+C28}$$

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TABLE 8

COMPOSITION (NORMALISED %) OF C_{15+} SATURATE (PARAFFIN – NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	031A	032A	033A	034A	035A
DEPTH	1967.25	1968.00	1969.00	1970.00	1971.00
SAMPLE TYPE	CORE 3	CORE 3	CORE 3	CORE 3	CORE 3
nC15	3.93	2.90	4.22	4.68	4.01
nC16	5.84	4.02	4.74	6.53	6.57
nC17	7.23	4.97	6.73	8.11	9.19
nC18	7.30	6.14	6.56	6.66	9.52
nC19	7.55	5.52	7.03	6.72	8.54
nC20	7.93	4.35	7.38	7.12	7.49
nC21	8.88	4.02	7.90	7.84	8.01
nC22	9.01	4.02	7.73	7.78	6.57
nC23	7.93	4.19	7.96	9.10	6.24
nC24	8.06	5.13	7.44	7.45	5.65
nC25	6.54	4.91	7.38	6.06	4.92
nC26	4.70	5.08	6.21	4.94	4.79
nC27	4.06	7.03	4.92	4.09	4.20
nC28	2.98	7.31	4.04	3.56	4.33
nC29	2.86	7.87	3.57	3.10	3.35
nC30	1.97	7.09	2.22	2.04	2.36
nC31	1.27	5.86	1.52	1.71	1.84
nC32	0.76	4.13	0.88	0.86	0.98
nC33	0.63	3.07	0.82	0.86	0.66
nC34	0.38	1.67	0.53	0.53	0.53
nC35	0.19	0.73	0.23	0.26	0.26
Paraffin	67.21	70.77	56.90	56.90	73.22
Isoprenoid	5.50	3.16	4.46	4.84	5.63
Naphthene	27.29	26.07	38.64	38.26	21.15
CPI 1 Index	1.02	1.01	1.04	1.07	1.02
CPI 2 Index	1.12	1.07	1.09	1.07	0.99
CPI 3 Index	1.06	1.14	0.96	0.96	0.92
Prist/Phytane	1.93	1.96	1.68	2.07	1.92
Prist/nC17	0.75	0.60	0.73	0.71	0.55
Phytane/nC18	0.38	0.25	0.45	0.42	0.28

$$\text{C.P.I. 1} = \frac{1}{2}\left(\frac{C21+C23+C25+C27}{C20+C22+C24+C26} + \frac{C21+C23+C25+C27}{C22+C24+C26+C28}\right)$$

$$\text{C.P.I. 2} = \frac{1}{2}\left(\frac{C25+C27+C29+C31}{C24+C26+C28+C30} + \frac{C25+C27+C29+C31}{C26+C28+C30+C32}\right)$$

$$\text{C.P.I. 3} = \frac{2x\ (C27)}{C26+C28}$$

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TABLE 8

COMPOSITION (NORMALISED %) OF C_{15+} SATURATE (PARAFFIN – NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	036A	037A	038A	039A	040A
DEPTH	1972.00	1974.00	1975.00	1976.00	1977.00
SAMPLE TYPE	CORE 3	CORE 3	CORE 3	CORE 3	CORE 3
nC15	6.30	5.23	4.96	4.91	3.13
nC16	6.82	6.23	6.66	5.91	4.64
nC17	6.76	8.67	8.81	6.45	5.45
nC18	7.97	10.17	9.14	6.31	8.90
nC19	7.97	8.67	9.27	6.09	8.65
nC20	7.91	8.95	8.55	5.18	6.64
nC21	7.28	7.81	8.49	5.64	6.58
nC22	7.05	6.81	7.51	4.51	6.70
nC23	7.51	7.38	7.31	5.23	6.95
nC24	7.11	6.23	6.59	4.87	6.58
nC25	6.42	5.01	5.42	4.78	5.70
nC26	4.70	3.80	4.11	4.51	5.26
nC27	4.76	3.30	3.66	5.55	4.39
nC28	3.27	3.58	3.33	5.18	4.57
nC29	2.58	2.65	2.28	6.45	4.14
nC30	1.66	1.86	1.37	5.68	3.32
nC31	1.26	1.50	1.04	5.14	3.07
nC32	0.86	0.72	0.59	3.34	1.94
nC33	0.80	0.64	0.46	2.25	1.69
nC34	0.63	0.50	0.26	1.31	1.07
nC35	0.40	0.29	0.20	0.72	0.63
Paraffin	63.18	66.99	58.88	71.09	60.78
Isoprenoid	4.96	5.18	5.00	4.55	3.43
Naphthene	31.86	27.83	36.13	24.36	35.80
CPI 1 Index	1.07	1.03	1.04	1.11	0.98
CPI 2 Index	1.16	1.03	1.06	1.13	1.01
CPI 3 Index	1.19	0.89	0.98	1.14	0.89
Prist/Phytane	1.91	1.57	1.65	1.84	1.73
Prist/nC17	0.76	0.55	0.60	0.64	0.66
Phytane/nC18	0.34	0.30	0.35	0.36	0.23

$$\text{C.P.I. } 1 = \frac{1}{2}\left(\frac{C21+C23+C25+C27}{C20+C22+C24+C26} + \frac{C21+C23+C25+C27}{C22+C24+C26+C28}\right)$$

$$\text{C.P.I. } 2 = \frac{1}{2}\left(\frac{C25+C27+C29+C31}{C24+C26+C28+C30} + \frac{C25+C27+C29+C31}{C26+C28+C30+C32}\right)$$

$$\text{C.P.I. } 3 = \frac{2x\ (C27)}{C26+C28}$$

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TABLE 8

COMPOSITION (NORMALISED %) OF C_{15+} SATURATE (PARAFFIN – NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	041A	042A	043A	044A	045A
DEPTH	1979.00	1980.00	1982.00	1983.00	1985.00
SAMPLE TYPE	CORE 3	CORE 3	CORE 3	CORE 3	CORE 4
nC15	8.30	7.68	6.22	4.27	17.47
nC16	8.42	7.81	6.84	6.04	16.59
nC17	7.71	9.65	8.52	7.55	12.88
nC18	8.42	8.42	7.33	7.68	8.08
nC19	7.89	9.44	9.78	8.66	5.57
nC20	7.23	9.51	8.59	9.19	4.80
nC21	7.65	8.56	8.38	7.94	4.04
nC22	7.35	7.95	7.82	8.01	4.59
nC23	6.69	6.73	7.75	7.87	4.15
nC24	6.33	5.23	5.94	7.81	3.93
nC25	5.68	4.48	5.66	5.84	4.04
nC26	4.66	3.67	3.98	4.40	2.62
nC27	3.76	2.85	3.56	3.87	2.40
nC28	3.05	2.31	2.79	3.08	2.07
nC29	2.27	1.83	2.51	2.62	2.18
nC30	1.61	1.22	1.61	1.57	1.31
nC31	1.19	1.09	1.05	1.31	1.20
nC32	0.60	0.54	0.70	0.85	0.98
nC33	0.54	0.48	0.70	0.72	0.55
nC34	0.42	0.41	0.00	0.46	0.33
nC35	0.24	0.14	0.28	0.26	0.22
Paraffin	62.16	60.78	57.39	60.07	61.15
Isoprenoid	5.16	4.54	4.93	4.45	6.81
Naphthene	32.68	34.68	37.68	35.47	32.04
CPI 1 Index	1.02	1.02	1.10	0.98	1.01
CPI 2 Index	1.06	1.07	1.15	1.09	1.20
CPI 3 Index	0.98	0.95	1.05	1.04	1.02
Prist/Phytane	2.02	1.62	1.51	1.57	2.78
Prist/nC17	0.72	0.48	0.61	0.60	0.64
Phytane/nC18	0.33	0.34	0.47	0.38	0.36

$$\text{C.P.I. } 1 = \frac{1}{2}\left(\frac{C21+C23+C25+C27}{C20+C22+C24+C26} + \frac{C21+C23+C25+C27}{C22+C24+C26+C28}\right)$$

$$\text{C.P.I. } 2 = \frac{1}{2}\left(\frac{C25+C27+C29+C31}{C24+C26+C28+C30} + \frac{C25+C27+C29+C31}{C26+C28+C30+C32}\right)$$

$$\text{C.P.I. } 3 = \frac{2x\ (C27)}{C26+C28}$$

Job Number : 1706

DT = ditch cuttings, CO = core, SWC = side wall core

TABLE 8

COMPOSITION (NORMALISED %) OF C_{15+} SATURATE (PARAFFIN – NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	046A	047A	048A	049A	050A
DEPTH	1986.00	1988.10	1989.00	1990.00	1990.95
SAMPLE TYPE	CORE 4	CORE 5	CORE 5	CORE 5	CORE 5
nC15	11.84	7.17	6.61	10.96	7.36
nC16	11.08	7.55	7.27	10.30	8.18
nC17	12.01	7.93	8.12	11.70	8.31
nC18	8.90	7.87	8.18	9.47	8.56
nC19	8.90	8.81	8.48	8.81	8.75
nC20	6.63	8.87	6.85	9.72	8.75
nC21	6.13	7.17	7.64	7.41	7.61
nC22	5.88	7.30	7.33	7.74	6.67
nC23	5.12	7.55	7.58	6.51	6.55
nC24	4.53	6.55	6.91	5.77	5.73
nC25	3.69	5.54	5.39	3.87	5.03
nC26	2.94	4.03	4.55	2.80	4.22
nC27	3.02	3.71	4.24	1.81	3.71
nC28	2.69	2.96	3.09	1.07	2.96
nC29	2.27	2.45	2.36	0.82	2.58
nC30	1.60	1.45	1.76	0.58	1.64
nC31	1.26	1.26	1.52	0.25	1.26
nC32	0.42	0.69	0.79	0.16	0.76
nC33	0.50	0.63	0.73	0.16	0.69
nC34	0.42	0.31	0.42	0.08	0.44
nC35	0.17	0.19	0.18	0.00	0.25
Paraffin	58.15	63.26	60.33	65.16	57.91
Isoprenoid	6.69	4.90	4.57	6.92	5.65
Naphthene	35.16	31.85	35.10	27.91	36.44
CPI 1 Index	1.01	1.02	1.05	0.94	1.04
CPI 2 Index	1.11	1.14	1.08	1.06	1.09
CPI 3 Index	1.07	1.06	1.11	0.94	1.04
Prist/Phytane	2.42	1.86	1.60	2.07	1.72
Prist/nC17	0.68	0.63	0.57	0.61	0.74
Phytane/nC18	0.38	0.34	0.36	0.37	0.42

C.P.I. $1 = \frac{1}{2}\left(\frac{C21+C23+C25+C27}{C20+C22+C24+C26} + \frac{C21+C23+C25+C27}{C22+C24+C26+C28}\right)$

C.P.I. $2 = \frac{1}{2}\left(\frac{C25+C27+C29+C31}{C24+C26+C28+C30} + \frac{C25+C27+C29+C31}{C26+C28+C30+C32}\right)$

C.P.I. $3 = \frac{2x\ (C27)}{C26+C28}$

Job Number : 1706

CT – ditch cuttings CO– core SWC – sidewall core

TABLE 8

COMPOSITION (NORMALISED %) OF C_{15+} SATURATE (PARAFFIN – NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	051A	052A	053A	054A	055A
DEPTH	1992.00	1993.00	1993.95	1995.00	1996.00
SAMPLE TYPE	CORE 5	CORE 5	CORE 5	CORE 5	CORE 5
nC15	5.22	6.94	7.69	5.44	6.73
nC16	7.19	7.79	8.90	7.34	8.14
nC17	7.79	8.05	7.75	8.06	8.52
nC18	8.47	8.05	8.33	9.31	8.07
nC19	8.32	8.76	8.65	8.65	9.10
nC20	8.17	7.07	8.01	8.85	8.84
nC21	7.64	7.14	7.17	7.60	8.07
nC22	7.03	6.75	6.60	7.14	7.69
nC23	6.28	5.52	6.21	6.42	7.05
nC24	6.13	5.78	5.77	5.96	6.28
nC25	5.75	5.32	5.00	5.77	5.45
nC26	4.31	4.35	3.97	4.06	4.29
nC27	4.08	4.02	3.72	3.93	3.59
nC28	3.63	3.44	2.82	2.82	2.37
nC29	3.03	3.05	2.82	2.75	2.37
nC30	2.12	2.47	2.05	1.77	1.15
nC31	1.74	1.95	1.60	1.64	0.90
nC32	1.06	1.30	1.02	0.85	0.51
nC33	1.06	1.10	0.96	0.85	0.45
nC34	0.68	0.78	0.64	0.52	0.26
nC35	0.30	0.39	0.32	0.26	0.19
Paraffin	60.50	52.76	54.45	62.18	62.74
Isoprenoid	5.63	5.48	5.79	5.22	5.10
Naphthene	33.87	41.77	39.76	32.60	32.15
CPI 1 Index	1.03	1.00	1.03	1.05	1.03
CPI 2 Index	1.11	1.07	1.12	1.22	1.17
CPI 3 Index	1.03	1.03	1.09	1.14	1.08
Prist/Phytane	2.08	1.71	1.91	1.78	2.02
Prist/nC17	0.81	0.81	0.90	0.67	0.64
Phytane/nC18	0.36	0.48	0.44	0.32	0.33

$$\text{C.P.I. } 1 = \frac{1}{2}\left(\frac{C21+C23+C25+C27}{C20+C22+C24+C26} + \frac{C21+C23+C25+C27}{C22+C24+C26+C28}\right)$$

$$\text{C.P.I. } 2 = \frac{1}{2}\left(\frac{C25+C27+C29+C31}{C24+C26+C28+C30} + \frac{C25+C27+C29+C31}{C26+C28+C30+C32}\right)$$

$$\text{C.P.I. } 3 = \frac{2x\ (C27)}{C26+C28}$$

Job Number : 1706

CT – ditch cuttings CO— core SWC – sidewall core

TABLE 8
COMPOSITION (NORMALISED %) OF C_{15+} SATURATE (PARAFFIN – NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	056A	057A	058A	059A	060A
DEPTH	1996.95	1998.00	1999.00	1999.95	2001.00
SAMPLE TYPE	CORE 5	CORE 5	CORE 5	CORE 5	CORE 5
nC15	6.08	6.38	4.36	3.41	3.49
nC16	7.30	7.69	5.34	4.91	5.52
nC17	7.43	7.75	6.10	6.64	7.12
nC18	8.11	8.88	7.08	6.58	7.49
nC19	9.32	7.81	7.26	8.26	8.79
nC20	9.12	7.44	7.55	7.96	9.16
nC21	7.09	7.50	7.90	8.62	10.32
nC22	6.96	7.63	8.07	8.08	8.58
nC23	6.42	6.75	7.67	8.14	7.63
nC24	6.08	6.44	6.50	7.48	6.98
nC25	4.93	5.88	6.39	6.04	5.16
nC26	3.99	4.19	5.63	4.79	4.43
nC27	3.92	3.75	4.59	4.61	3.63
nC28	3.18	3.13	3.77	3.29	2.91
nC29	3.04	2.56	3.43	3.47	2.69
nC30	2.16	1.81	2.15	2.21	1.82
nC31	1.82	1.63	1.97	2.27	1.60
nC32	1.01	0.94	1.22	1.20	0.94
nC33	1.08	0.94	1.34	1.02	0.80
nC34	0.61	0.63	1.10	0.66	0.58
nC35	0.34	0.31	0.58	0.36	0.36
Paraffin	58.06	65.07	64.83	66.81	61.02
Isoprenoid	5.85	5.65	5.05	4.40	5.28
Naphthene	36.09	29.28	30.12	28.79	33.70
CPI 1 Index	0.98	1.02	1.03	1.06	1.04
CPI 2 Index	1.11	1.13	1.09	1.17	1.05
CPI 3 Index	1.09	1.03	0.98	1.14	0.99
Prist/Phytane	1.61	1.84	1.68	1.62	1.70
Prist/nC17	0.84	0.73	0.80	0.61	0.77
Phytane/nC18	0.47	0.35	0.41	0.38	0.43

$$\text{C.P.I. } 1 = \frac{1}{2}\left(\frac{C21+C23+C25+C27}{C20+C22+C24+C26} + \frac{C21+C23+C25+C27}{C22+C24+C26+C28}\right)$$

$$\text{C.P.I. } 2 = \frac{1}{2}\left(\frac{C25+C27+C29+C31}{C24+C26+C28+C30} + \frac{C25+C27+C29+C31}{C26+C28+C30+C32}\right)$$

$$\text{C.P.I. } 3 = \frac{2x\ (C27)}{C26+C28}$$

Job Number : 1706

CT – ditch cuttings CO– core SWC – sidewall core

TABLE 8

COMPOSITION (NORMALISED %) OF C_{15+} SATURATE (PARAFFIN – NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	061A	062A	063A	064A	065A
DEPTH	2002.00	2002.95	2004.00	2005.00	2005.95
SAMPLE TYPE	CORE 5	CORE 5	CORE 5	CORE 5	CORE 5
nC15	4.07	5.86	3.38	4.85	3.72
nC16	5.59	6.86	5.35	6.80	4.51
nC17	7.53	7.56	6.58	7.69	6.54
nC18	7.04	7.62	7.63	7.46	6.20
nC19	8.08	7.56	8.18	7.22	7.72
nC20	8.50	8.44	7.38	8.34	8.00
nC21	7.16	8.31	8.25	7.87	7.89
nC22	7.16	7.56	7.51	7.63	7.83
nC23	7.83	7.24	8.74	7.99	6.87
nC24	7.65	6.36	6.77	7.04	7.49
nC25	5.59	5.48	6.40	5.80	6.31
nC26	4.55	4.97	5.29	4.97	4.68
nC27	4.61	3.97	5.05	4.14	5.07
nC28	3.04	3.59	3.38	3.43	4.45
nC29	3.64	3.02	3.26	2.60	4.23
nC30	2.55	1.83	2.28	2.07	2.87
nC31	1.88	1.51	1.97	1.60	2.54
nC32	1.15	0.82	0.92	0.89	1.13
nC33	0.97	0.69	0.86	0.83	1.01
nC34	0.79	0.50	0.55	0.53	0.62
nC35	0.61	0.25	0.25	0.24	0.34
Paraffin	52.81	47.04	66.14	61.08	69.99
Isoprenoid	4.23	5.57	4.56	4.95	4.77
Naphthene	42.96	47.39	29.30	33.97	25.24
CPI 1 Index	1.01	1.01	1.15	1.02	1.00
CPI 2 Index	1.14	1.04	1.17	1.03	1.16
CPI 3 Index	1.22	0.93	1.16	0.99	1.11
Prist/Phytane	1.93	1.65	1.73	1.98	1.81
Prist/nC17	0.70	0.98	0.66	0.70	0.67
Phytane/nC18	0.39	0.59	0.33	0.37	0.39

$$C.P.I.\ 1 = \frac{1}{2}\left(\frac{C21+C23+C25+C27}{C20+C22+C24+C26} + \frac{C21+C23+C25+C27}{C22+C24+C26+C28}\right)$$

Job Number : 1706

$$C.P.I.\ 2 = \frac{1}{2}\left(\frac{C25+C27+C29+C31}{C24+C26+C28+C30} + \frac{C25+C27+C29+C31}{C26+C28+C30+C32}\right)$$

$$C.P.I.\ 3 = \frac{2x\ (C27)}{C26+C28}$$

CT – ditch cuttings CO– core SWC – sidewall core

TABLE 8

COMPOSITION (NORMALISED %) OF C_{15+} SATURATE (PARAFFIN – NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	066A	067A	068A	069A	070A
DEPTH	2007.00	2008.00	2010.00	2011.00	2013.00
SAMPLE TYPE	CORE5	CORE5	CORE5	CORE5	CORE5
nC15	3.50	3.06	4.72	5.04	4.37
nC16	4.35	4.79	5.97	6.31	5.56
nC17	6.47	6.52	6.53	6.98	6.81
nC18	6.53	7.31	7.21	6.92	7.12
nC19	7.13	7.71	8.27	8.56	7.62
nC20	7.49	8.78	8.58	8.62	8.74
nC21	8.46	9.44	8.08	7.41	8.06
nC22	8.22	7.45	8.70	7.71	8.87
nC23	8.40	8.91	7.83	7.10	8.74
nC24	8.16	6.72	8.58	7.16	8.18
nC25	6.59	6.32	5.78	5.46	6.12
nC26	4.53	5.19	4.60	4.61	5.00
nC27	5.26	3.99	3.85	4.74	4.37
nC28	3.63	3.52	2.80	3.16	3.12
nC29	3.57	3.19	2.80	2.98	2.50
nC30	2.30	2.19	1.86	2.25	1.69
nC31	1.93	1.99	1.43	1.82	1.31
nC32	1.27	1.00	0.81	1.03	0.62
nC33	1.15	1.00	0.93	1.15	0.62
nC34	0.73	0.60	0.50	0.61	0.44
nC35	0.36	0.33	0.19	0.36	0.12
Paraffin	64.05	66.08	64.93	65.31	68.83
Isoprenoid	4.22	4.92	5.21	5.35	5.37
Naphthene	31.73	29.00	29.86	29.34	25.80
CPI 1 Index	1.09	1.14	0.94	0.99	0.99
CPI 2 Index	1.21	1.09	1.08	1.12	1.08
CPI 3 Index	1.29	0.92	1.04	1.22	1.08
Prist/Phytane	1.60	1.67	1.69	1.87	1.66
Prist/nC17	0.63	0.71	0.77	0.77	0.72
Phytane/nC18	0.39	0.38	0.41	0.41	0.41

$$C.P.I.\ 1 = \frac{1}{2}\left(\frac{C21+C23+C25+C27}{C20+C22+C24+C26} + \frac{C21+C23+C25+C27}{C22+C24+C26+C28}\right)$$

$$C.P.I.\ 2 = \frac{1}{2}\left(\frac{C25+C27+C29+C31}{C24+C26+C28+C30} + \frac{C25+C27+C29+C31}{C26+C28+C30+C32}\right)$$

$$C.P.I.\ 3 = \frac{2x\ (C27)}{C26+C28}$$

Job Number : 1706

CT – ditch cuttings CO– core SWC – sidewall core

TABLE 8

COMPOSITION (NORMALISED %) OF C_{15+} SATURATE (PARAFFIN – NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	071A	072A	073A	074A	075A
DEPTH	2014.00	2015.00	2017.00	2018.00	2020.00
SAMPLE TYPE	CORE5	CORE5	CORE 6	CORE 6	CORE 6
nC15	6.31	4.06	3.44	3.24	1.98
nC16	7.01	4.80	4.81	4.49	3.69
nC17	7.77	6.03	7.16	6.05	5.94
nC18	7.94	6.65	7.68	7.17	6.99
nC19	8.06	7.51	7.28	7.99	8.77
nC20	7.65	7.08	7.45	8.61	9.37
nC21	7.89	7.38	8.14	8.80	8.77
nC22	8.06	8.80	7.74	7.99	8.51
nC23	7.53	7.57	7.39	7.86	8.18
nC24	6.19	7.69	8.02	8.05	7.65
nC25	6.07	6.28	6.42	7.55	6.27
nC26	4.03	6.34	5.27	4.74	5.67
nC27	4.09	4.74	4.87	4.37	4.49
nC28	2.98	4.12	4.01	2.99	3.10
nC29	2.57	3.69	3.15	3.68	3.36
nC30	1.93	2.22	2.29	2.00	2.11
nC31	1.46	1.85	2.01	1.68	1.85
nC32	0.88	1.17	1.09	0.94	1.12
nC33	0.76	1.05	0.97	0.94	1.06
nC34	0.53	0.68	0.57	0.62	0.73
nC35	0.29	0.31	0.23	0.25	0.40
Paraffin	60.45	70.68	69.77	66.08	64.10
Isoprenoid	5.65	4.96	4.64	4.25	3.76
Naphthene	33.90	24.36	25.59	29.68	32.14
CPI 1 Index	1.09	0.92	1.01	1.09	1.00
CPI 2 Index	1.19	1.00	1.07	1.30	1.10
CPI 3 Index	1.17	0.91	1.05	1.13	1.02
Prist/Phytane	1.76	1.65	1.64	1.64	1.54
Prist/nC17	0.77	0.72	0.58	0.66	0.60
Phytane/nC18	0.43	0.40	0.33	0.34	0.33

$$C.P.I.\ 1 = \frac{1}{2}\left(\frac{C21+C23+C25+C27}{C20+C22+C24+C26} + \frac{C21+C23+C25+C27}{C22+C24+C26+C28}\right)$$

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$$C.P.I.\ 2 = \frac{1}{2}\left(\frac{C25+C27+C29+C31}{C24+C26+C28+C30} + \frac{C25+C27+C29+C31}{C26+C28+C30+C32}\right)$$

$$C.P.I.\ 3 = \frac{2x\ (C27)}{C26+C28}$$

CT – ditch cuttings **CO**– core **SWC** – sidewall core

TABLE 8

COMPOSITION (NORMALISED %) OF C_{15+} SATURATE (PARAFFIN – NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	076A	077A	078A	079A	080A
DEPTH	2021.00	2023.00	2024.00	2026.00	2027.00
SAMPLE TYPE	CORE 6	CORE 6	CORE 6	CORE 6	CORE 6
nC15	0.83	3.69	3.00	3.86	3.52
nC16	2.55	4.87	4.49	5.74	4.77
nC17	6.61	6.96	6.87	9.60	7.09
nC18	7.58	7.24	8.05	11.83	7.33
nC19	8.63	10.37	9.05	12.17	7.99
nC20	10.89	7.72	8.30	11.57	8.52
nC21	9.01	7.45	8.24	9.51	7.93
nC22	9.61	7.10	8.43	8.14	7.69
nC23	8.86	7.31	8.86	6.77	8.05
nC24	7.66	6.19	7.62	5.06	6.79
nC25	5.63	5.85	6.24	4.20	6.38
nC26	4.73	5.01	4.81	3.26	5.01
nC27	3.98	4.52	4.81	2.40	4.47
nC28	3.68	4.31	3.75	1.71	3.69
nC29	3.23	3.97	2.62	1.37	3.34
nC30	2.18	2.37	1.75	0.86	2.62
nC31	1.73	2.16	1.37	0.69	2.03
nC32	0.90	1.04	0.56	0.43	1.07
nC33	0.83	0.90	0.62	0.43	0.95
nC34	0.53	0.63	0.31	0.34	0.48
nC35	0.38	0.35	0.25	0.09	0.30
Paraffin	69.34	78.74	75.39	62.24	71.83
Isoprenoid	3.59	4.82	4.85	5.76	5.05
Naphthene	27.07	16.44	19.76	32.00	23.12
CPI 1 Index	0.95	1.04	1.06	1.04	1.06
CPI 2 Index	1.03	1.11	1.11	1.09	1.10
CPI 3 Index	0.95	0.97	1.12	0.97	1.03
Prist/Phytane	1.16	1.75	1.64	1.40	1.62
Prist/nC17	0.42	0.56	0.58	0.56	0.61
Phytane/nC18	0.32	0.31	0.30	0.33	0.37

$$\text{C.P.I. } 1 = \frac{1}{2}\left(\frac{C21+C23+C25+C27}{C20+C22+C24+C26} + \frac{C21+C23+C25+C27}{C22+C24+C26+C28}\right)$$

$$\text{C.P.I. } 2 = \frac{1}{2}\left(\frac{C25+C27+C29+C31}{C24+C26+C28+C30} + \frac{C25+C27+C29+C31}{C26+C28+C30+C32}\right)$$

$$\text{C.P.I. } 3 = \frac{2x\ (C27)}{C26+C28}$$

Job Number : 1706

CT – ditch cuttings CO– core SWC – sidewall core

TABLE 8

COMPOSITION (NORMALISED %) OF C_{15+} SATURATE (PARAFFIN – NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	081A	082A	083A	084A	085A
DEPTH	2029.00	2030.00	2031.00	2032.00	2033.00
SAMPLE TYPE	CORE 6	CORE 6	CORE 6	CORE 6	CORE 6
nC15	4.89	6.57	5.38	3.31	3.62
nC16	6.35	7.53	6.44	5.42	5.33
nC17	7.81	7.79	8.04	7.17	6.44
nC18	8.25	8.62	8.11	7.05	6.93
nC19	8.70	8.36	8.79	8.43	8.22
nC20	8.57	8.23	7.86	8.55	8.71
nC21	8.38	8.17	7.98	8.01	8.40
nC22	8.13	8.81	7.92	8.43	8.22
nC23	7.62	6.64	8.11	7.65	6.74
nC24	7.24	6.19	6.68	6.93	7.48
nC25	5.08	5.11	5.69	6.87	5.82
nC26	4.38	4.40	4.39	5.24	4.29
nC27	3.17	3.38	3.84	4.22	4.35
nC28	2.54	2.68	2.85	2.89	3.37
nC29	2.41	2.42	2.66	3.01	3.43
nC30	1.97	1.72	1.73	2.17	2.33
nC31	1.71	1.21	1.42	1.87	2.27
nC32	0.89	0.77	0.74	0.96	1.53
nC33	0.83	0.77	0.68	0.90	1.16
nC34	0.76	0.45	0.43	0.60	0.92
nC35	0.32	0.19	0.25	0.30	0.43
Paraffin	66.15	61.52	65.53	68.26	65.29
Isoprenoid	5.29	4.71	5.27	4.61	4.28
Naphthene	28.56	33.77	29.20	27.14	30.42
CPI 1 Index	0.97	0.95	1.06	1.03	0.98
CPI 2 Index	1.02	1.04	1.14	1.17	1.14
CPI 3 Index	0.92	0.95	1.06	1.04	1.14
Prist/Phytane	1.74	1.67	1.50	1.73	1.49
Prist/nC17	0.65	0.61	0.60	0.60	0.61
Phytane/nC18	0.35	0.33	0.40	0.35	0.38

$$\text{C.P.I. 1} = \frac{1}{2}\,\frac{C21+C23+C25+C27}{C20+C22+C24+C26} + \frac{C21+C23+C25+C27}{C22+C24+C26+C28}$$

$$\text{C.P.I. 2} = \frac{1}{2}\,\frac{C25+C27+C29+C31}{C24+C26+C28+C30} + \frac{C25+C27+C29+C31}{C26+C28+C30+C32}$$

$$\text{C.P.I. 3} = \frac{2x\ (C27)}{C26+C28}$$

Job Number : 1706

TABLE 8

COMPOSITION (NORMALISED %) OF C_{15+} SATURATE (PARAFFIN – NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	086A	087A	088A	089A	090A
DEPTH	2034.00	2036.00	2037.00	2039.00	2040.00
SAMPLE TYPE	CORE 6	CORE 6	CORE 6	CORE 6	CORE 6
nC15	5.26	3.99	4.87	6.71	6.67
nC16	6.40	5.19	6.91	7.26	6.79
nC17	6.58	7.19	8.39	8.71	7.94
nC18	7.42	7.37	7.93	7.62	7.70
nC19	7.83	8.03	8.27	8.16	8.19
nC20	8.37	8.33	7.37	8.71	8.43
nC21	7.18	7.91	7.48	8.65	7.88
nC22	6.76	8.76	7.37	7.38	7.82
nC23	7.78	8.15	7.08	6.77	8.55
nC24	7.48	7.55	6.69	5.93	6.79
nC25	5.68	6.28	5.67	5.74	6.19
nC26	4.78	4.95	4.70	4.72	4.18
nC27	4.25	4.47	4.02	3.45	3.82
nC28	3.47	3.02	3.63	2.78	2.97
nC29	2.99	2.54	3.51	2.72	2.00
nC30	2.33	1.93	2.04	1.63	1.27
nC31	2.09	1.51	1.76	1.33	1.03
nC32	1.02	1.39	0.85	0.67	0.67
nC33	1.08	0.72	0.74	0.60	0.55
nC34	0.84	0.54	0.45	0.36	0.36
nC35	0.42	0.18	0.28	0.12	0.18
Paraffin	59.23	73.86	73.82	65.22	64.14
Isoprenoid	3.93	4.73	6.11	5.60	4.75
Naphthene	36.84	21.41	20.08	29.18	31.12
CPI 1 Index	1.01	1.01	1.01	1.05	1.09
CPI 2 Index	1.06	1.08	1.11	1.12	1.14
CPI 3 Index	1.03	1.12	0.97	0.92	1.07
Prist/Phytane	1.85	1.72	1.98	1.58	1.77
Prist/nC17	0.65	0.56	0.66	0.60	0.60
Phytane/nC18	0.31	0.32	0.35	0.44	0.35

$$C.P.I.\ 1 = \frac{1}{2}\left(\frac{C21+C23+C25+C27}{C20+C22+C24+C26} + \frac{C21+C23+C25+C27}{C22+C24+C26+C28}\right)$$

Job Number : 1706

$$C.P.I.\ 2 = \frac{1}{2}\left(\frac{C25+C27+C29+C31}{C24+C26+C28+C30} + \frac{C25+C27+C29+C31}{C26+C28+C30+C32}\right)$$

$$C.P.I.\ 3 = \frac{2x\ (C27)}{C26+C28}$$

TABLE 8

COMPOSITION (NORMALISED %) OF C_{15+} SATURATE (PARAFFIN – NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	091A	092A	093A	094A	095A
DEPTH	2042.00	2043.00	2044.00	2045.50	2046.00
SAMPLE TYPE	CORE 6	CORE 6	CORE 7	CORE 7	CORE 7
nC15	3.72	4.90	5.83	6.06	3.72
nC16	5.40	6.73	6.82	7.47	4.21
nC17	7.01	7.59	7.46	8.12	5.96
nC18	7.70	8.63	7.70	7.53	7.65
nC19	8.38	7.65	7.58	8.00	9.47
nC20	8.50	7.53	7.87	7.71	9.96
nC21	8.75	8.08	7.93	7.24	8.42
nC22	7.64	8.38	7.46	7.12	8.07
nC23	8.13	6.85	7.58	6.65	8.28
nC24	6.70	6.55	6.47	6.71	7.65
nC25	6.08	5.45	5.48	5.76	5.61
nC26	4.84	4.47	4.84	4.41	4.91
nC27	4.35	4.04	3.73	3.76	4.84
nC28	3.10	3.37	2.92	3.18	3.23
nC29	2.98	2.88	2.62	2.59	2.60
nC30	1.99	1.96	1.98	2.18	1.75
nC31	1.80	1.53	1.75	1.76	1.47
nC32	1.06	1.04	1.17	1.18	0.63
nC33	0.93	1.16	1.22	1.18	0.77
nC34	0.62	0.92	0.99	1.00	0.56
nC35	0.31	0.31	0.58	0.41	0.21
Paraffin	64.93	63.48	64.64	57.24	62.12
Isoprenoid	4.43	5.44	5.20	5.72	3.88
Naphthene	30.63	31.08	30.15	37.04	34.00
CPI 1 Index	1.11	0.99	1.03	1.00	1.01
CPI 2 Index	1.15	1.07	1.04	1.06	1.10
CPI 3 Index	1.09	1.03	0.96	0.99	1.19
Prist/Phytane	1.75	1.75	1.88	1.62	1.62
Prist/nC17	0.62	0.72	0.70	0.76	0.65
Phytane/nC18	0.32	0.36	0.36	0.51	0.31

$$C.P.I.\ 1 = \frac{1}{2}\left(\frac{C21+C23+C25+C27}{C20+C22+C24+C26} + \frac{C21+C23+C25+C27}{C22+C24+C26+C28}\right)$$

Job Number : 1706

$$C.P.I.\ 2 = \frac{1}{2}\left(\frac{C25+C27+C29+C31}{C24+C26+C28+C30} + \frac{C25+C27+C29+C31}{C26+C28+C30+C32}\right)$$

$$C.P.I.\ 3 = \frac{2x\ (C27)}{C26+C28}$$

TABLE 8

COMPOSITION (NORMALISED %) OF C_{15+} SATURATE (PARAFFIN – NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	096A	097A	098A	099A	100A
DEPTH	2047.00	2048.50	2049.00	2050.00	2051.50
SAMPLE TYPE	CORE 7	CORE 7	CORE 7	CORE 7	CORE 7
nC15	11.20	6.90	8.41	2.83	6.75
nC16	9.95	9.77	8.11	4.04	7.59
nC17	9.24	8.40	7.88	4.31	7.42
nC18	7.60	8.88	7.76	5.59	7.93
nC19	7.52	8.33	7.64	7.61	7.65
nC20	6.73	8.20	7.41	8.09	7.26
nC21	6.66	7.04	7.00	8.02	7.48
nC22	6.26	7.51	7.29	9.77	7.87
nC23	5.56	6.08	7.23	7.75	6.52
nC24	5.48	5.46	5.88	7.48	5.96
nC25	4.78	4.44	5.17	6.54	5.57
nC26	4.15	3.69	4.12	5.66	4.44
nC27	3.68	4.10	4.17	5.32	4.50
nC28	3.05	2.80	2.76	4.04	2.81
nC29	2.27	2.60	3.35	3.77	2.92
nC30	1.64	1.71	1.47	2.49	1.97
nC31	1.57	1.57	1.70	2.16	1.63
nC32	0.86	1.02	0.88	1.21	1.07
nC33	0.86	0.75	0.94	1.35	1.24
nC34	0.63	0.48	0.53	1.35	0.96
nC35	0.31	0.27	0.29	0.61	0.45
Paraffin	61.39	62.46	60.21	60.55	61.80
Isoprenoid	4.95	5.12	5.10	2.73	4.83
Naphthene	33.65	32.42	34.69	36.72	33.37
CPI 1 Index	1.00	0.99	1.07	0.96	1.04
CPI 2 Index	1.06	1.15	1.29	1.12	1.19
CPI 3 Index	1.02	1.26	1.21	1.10	1.24
Prist/Phytane	1.94	1.73	1.72	1.31	1.96
Prist/nC17	0.58	0.62	0.68	0.59	0.70
Phytane/nC18	0.36	0.34	0.40	0.35	0.33

$$\text{C.P.I. 1} = \frac{1}{2}\left(\frac{C21+C23+C25+C27}{C20+C22+C24+C26} + \frac{C21+C23+C25+C27}{C22+C24+C26+C28}\right)$$

$$\text{C.P.I. 2} = \frac{1}{2}\left(\frac{C25+C27+C29+C31}{C24+C26+C28+C30} + \frac{C25+C27+C29+C31}{C26+C28+C30+C32}\right)$$

$$\text{C.P.I. 3} = \frac{2x\ (C27)}{C26+C28}$$

Job Number : 1706

TABLE 8

COMPOSITION (NORMALISED %) OF C_{15+} SATURATE (PARAFFIN – NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	101A	102A	103A	104A	105A
DEPTH	2052.00	2053.00	2054.50	2055.00	2056.00
SAMPLE TYPE	CORE 7	CORE 7	CORE 7	CORE 7	CORE 7
nC15	5.00	5.82	7.51	6.00	3.60
nC16	8.31	6.89	8.02	7.23	4.76
nC17	8.01	7.40	8.96	7.78	5.75
nC18	8.37	7.80	8.08	7.47	7.61
nC19	8.67	7.80	8.71	8.02	7.90
nC20	7.53	7.97	8.27	7.84	7.96
nC21	6.80	7.29	7.39	7.78	7.44
nC22	6.86	6.72	6.88	7.78	7.90
nC23	6.50	6.55	5.68	6.49	7.21
nC24	6.38	6.16	5.49	6.74	7.26
nC25	5.06	5.59	5.05	5.57	6.10
nC26	4.21	3.95	4.67	4.96	5.46
nC27	4.21	4.12	3.09	3.92	5.40
nC28	3.31	3.16	3.09	3.18	3.66
nC29	3.25	3.11	2.53	2.88	3.72
nC30	2.17	2.82	2.02	1.84	2.44
nC31	1.63	2.15	1.64	1.53	2.09
nC32	1.20	1.41	0.88	0.98	1.22
nC33	1.08	1.24	0.63	0.92	1.28
nC34	0.84	1.07	0.88	0.80	0.81
nC35	0.60	0.96	0.51	0.31	0.41
Paraffin	67.25	66.47	69.20	54.62	65.07
Isoprenoid	5.22	4.99	5.46	3.91	4.69
Naphthene	27.53	28.54	25.34	41.47	30.25
CPI 1 Index	1.00	1.06	0.95	0.96	1.00
CPI 2 Index	1.09	1.12	0.98	1.05	1.14
CPI 3 Index	1.12	1.16	0.80	0.96	1.18
Prist/Phytane	1.74	1.89	2.21	2.08	1.88
Prist/nC17	0.62	0.66	0.61	0.62	0.82
Phytane/nC18	0.34	0.33	0.30	0.31	0.33

$$C.P.I.\ 1 = \frac{1}{2}\left(\frac{C21+C23+C25+C27}{C20+C22+C24+C26} + \frac{C21+C23+C25+C27}{C22+C24+C26+C28}\right)$$

$$C.P.I.\ 2 = \frac{1}{2}\left(\frac{C25+C27+C29+C31}{C24+C26+C28+C30} + \frac{C25+C27+C29+C31}{C26+C28+C30+C32}\right)$$

$$C.P.I.\ 3 = \frac{2x\ (C27)}{C26+C28}$$

Job Number : 1706

TABLE 8

COMPOSITION (NORMALISED %) OF C_{15+} SATURATE (PARAFFIN – NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	106A	107A	108A	109A	110A
DEPTH	2057.50	2058.00	2059.00	2060.50	2061.00
SAMPLE TYPE	CORE 7	CORE 7	CORE 7	CORE 7	CORE 7
nC15	6.46	6.39	5.02	7.45	4.88
nC16	6.95	8.18	6.40	8.10	6.08
nC17	7.56	8.70	7.01	6.76	6.84
nC18	8.49	7.99	8.40	5.77	6.84
nC19	8.18	8.57	8.16	5.36	8.93
nC20	8.24	8.50	8.46	5.71	7.85
nC21	7.93	7.03	7.79	5.65	8.04
nC22	7.01	6.97	7.61	6.99	7.28
nC23	6.46	5.95	6.95	7.28	7.22
nC24	5.54	6.01	6.95	6.76	6.33
nC25	5.35	4.41	5.62	6.17	5.89
nC26	4.61	4.28	4.65	5.42	4.75
nC27	3.87	3.64	4.29	5.24	4.05
nC28	3.08	3.07	3.26	4.19	3.48
nC29	2.89	2.69	3.02	3.61	3.17
nC30	2.15	2.17	1.87	2.33	2.22
nC31	1.72	1.53	1.57	2.15	1.77
nC32	1.05	1.15	0.85	1.57	1.14
nC33	1.17	1.15	0.97	1.57	1.27
nC34	0.86	1.02	0.79	1.22	1.08
nC35	0.43	0.58	0.36	0.70	0.89
Paraffin	60.88	60.83	62.24	58.26	59.45
Isoprenoid	5.43	5.72	4.66	5.63	4.41
Naphthene	33.70	33.45	33.10	36.10	36.14
CPI 1 Index	1.05	0.93	0.99	1.01	1.06
CPI 2 Index	1.09	0.97	1.12	1.10	1.09
CPI 3 Index	1.01	0.99	1.08	1.09	0.98
Prist/Phytane	2.02	2.06	2.02	2.07	1.72
Prist/nC17	0.79	0.73	0.72	0.97	0.69
Phytane/nC18	0.35	0.38	0.29	0.55	0.40

C.P.I. $1 = \frac{1}{2}\left(\frac{C21+C23+C25+C27}{C20+C22+C24+C26} + \frac{C21+C23+C25+C27}{C22+C24+C26+C28}\right)$

C.P.I. $2 = \frac{1}{2}\left(\frac{C25+C27+C29+C31}{C24+C26+C28+C30} + \frac{C25+C27+C29+C31}{C26+C28+C30+C32}\right)$

C.P.I. $3 = \frac{2x\ (C27)}{C26+C28}$

Job Number : 1706

TABLE 8

COMPOSITION (NORMALISED %) OF C_{15+} SATURATE (PARAFFIN – NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	111A	112A	113A	114A	115A
DEPTH	2062.00	2063.50	2064.00	2065.00	2066.50
SAMPLE TYPE	CORE 7	CORE 7	CORE 7	CORE 7	CORE 7
nC15	6.28	28.16	4.65	3.00	25.87
nC16	7.72	21.55	5.93	4.78	19.80
nC17	9.77	16.31	7.21	6.62	14.09
nC18	9.36	10.49	7.61	7.17	10.53
nC19	9.36	6.02	9.30	7.05	7.31
nC20	7.58	4.27	8.56	7.66	4.82
nC21	8.13	3.30	6.81	8.52	4.10
nC22	7.04	2.72	6.67	8.09	3.03
nC23	6.83	2.14	5.59	7.30	2.68
nC24	5.74	1.55	6.00	7.36	1.96
nC25	4.51	0.97	5.53	6.81	1.43
nC26	3.48	0.58	4.99	5.52	1.25
nC27	3.07	0.58	4.25	4.91	1.25
nC28	2.32	0.39	3.71	3.80	0.71
nC29	2.19	0.29	3.77	3.43	0.62
nC30	1.64	0.19	2.70	2.45	0.27
nC31	1.37	0.19	2.22	1.84	0.18
nC32	1.02	0.19	1.21	0.98	0.09
nC33	1.09	0.10	1.48	1.16	0.00
nC34	0.96	0.00	1.21	1.04	0.00
nC35	0.55	0.00	0.61	0.49	0.00
Paraffin	63.99	58.66	56.86	61.27	62.45
Isoprenoid	6.29	7.18	4.83	4.17	6.35
Naphthene	29.72	34.17	38.31	34.56	31.20
CPI 1 Index	1.08	1.05	0.94	1.04	1.11
CPI 2 Index	1.08	1.13	1.08	1.11	1.16
CPI 3 Index	1.06	1.20	0.98	1.05	1.27
Prist/Phytane	1.77	2.32	1.74	1.58	2.56
Prist/nC17	0.64	0.52	0.75	0.63	0.52
Phytane/nC18	0.38	0.35	0.41	0.37	0.27

$$C.P.I.\ 1 = \frac{1}{2}\left(\frac{C21+C23+C25+C27}{C20+C22+C24+C26} + \frac{C21+C23+C25+C27}{C22+C24+C26+C28}\right)$$

$$C.P.I.\ 2 = \frac{1}{2}\left(\frac{C25+C27+C29+C31}{C24+C26+C28+C30} + \frac{C25+C27+C29+C31}{C26+C28+C30+C32}\right)$$

$$C.P.I.\ 3 = \frac{2x\ (C27)}{C26+C28}$$

Job Number : 1706

CT – ditch cuttings CO– core SWC – sidewall core

TABLE 8

COMPOSITION (NORMALISED %) OF C_{15+} SATURATE (PARAFFIN – NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	116A	117A	118A	119A	120A
DEPTH	2067.00	2068.00	2069.00	2072.50	2073.00
SAMPLE TYPE	CORE 7	CORE 7	CORE 7	CORE 8	CORE 8
nC15	4.99	7.42	4.97	4.76	2.63
nC16	5.40	7.61	6.33	6.05	4.20
nC17	6.17	8.89	6.63	7.86	5.33
nC18	6.99	8.06	7.16	6.89	6.65
nC19	7.75	7.29	7.69	8.89	7.27
nC20	8.10	7.29	7.93	8.18	7.96
nC21	6.75	7.55	7.75	9.14	8.65
nC22	8.04	7.17	8.22	7.02	7.52
nC23	6.69	6.40	7.10	6.76	7.96
nC24	7.22	6.33	6.51	5.92	7.08
nC25	5.75	5.63	6.98	5.15	5.96
nC26	5.75	4.61	4.85	4.19	5.27
nC27	4.35	3.90	4.44	4.38	5.02
nC28	3.82	3.01	3.55	3.16	4.33
nC29	3.64	2.82	3.14	3.16	3.82
nC30	2.23	1.73	1.89	2.32	2.82
nC31	2.11	1.60	1.72	2.00	2.19
nC32	1.23	0.77	0.89	1.16	1.57
nC33	1.41	0.96	1.01	1.42	1.63
nC34	1.06	0.64	0.83	1.03	1.38
nC35	0.53	0.32	0.41	0.58	0.75
Paraffin	55.02	60.63	56.50	61.90	60.23
Isoprenoid	3.75	5.24	4.71	4.62	4.27
Naphthene	41.23	34.13	38.78	33.48	35.50
CPI 1 Index	0.88	1.02	1.05	1.13	1.07
CPI 2 Index	1.02	1.13	1.21	1.15	1.04
CPI 3 Index	0.91	1.03	1.06	1.19	1.05
Prist/Phytane	1.90	2.07	1.94	1.64	1.51
Prist/nC17	0.72	0.65	0.83	0.59	0.80
Phytane/nC18	0.34	0.35	0.40	0.41	0.42

C.P.I. $1 = \frac{1}{2}\left(\frac{C21+C23+C25+C27}{C20+C22+C24+C26} + \frac{C21+C23+C25+C27}{C22+C24+C26+C28}\right)$

C.P.I. $2 = \frac{1}{2}\left(\frac{C25+C27+C29+C31}{C24+C26+C28+C30} + \frac{C25+C27+C29+C31}{C26+C28+C30+C32}\right)$

C.P.I. $3 = \frac{2x\ (C27)}{C26+C28}$

Job Number : 1706

CT – ditch cuttings, CO – core, SWC – sidewall core

TABLE 8

COMPOSITION (NORMALISED %) OF C_{15+} SATURATE (PARAFFIN – NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	121A	122A	123A	124A	125A
DEPTH	2074.00	2075.50	2076.00	2077.00	2078.50
SAMPLE TYPE	CORE 8	CORE 8	CORE 8	CORE 8	CORE 8
nC15	14.16	4.54	5.75	4.20	8.01
nC16	13.57	6.37	7.12	5.58	9.41
nC17	11.91	7.06	7.06	7.62	8.88
nC18	10.74	9.14	8.36	7.88	8.68
nC19	8.89	8.76	7.89	8.27	9.35
nC20	7.62	7.31	7.65	9.26	7.21
nC21	5.27	7.69	7.71	8.14	6.88
nC22	4.88	7.38	7.30	8.21	6.61
nC23	4.79	6.68	7.00	8.47	6.21
nC24	4.39	5.74	6.52	7.22	5.47
nC25	3.32	6.75	5.93	4.86	4.67
nC26	2.73	4.41	5.10	4.46	4.34
nC27	2.25	3.85	4.45	4.07	3.74
nC28	1.46	3.47	3.14	2.63	2.60
nC29	1.37	3.09	3.08	2.89	2.27
nC30	0.88	2.27	1.84	1.77	1.60
nC31	0.68	1.89	1.30	1.44	1.34
nC32	0.39	0.88	0.89	0.92	0.80
nC33	0.39	1.20	0.89	1.12	0.93
nC34	0.20	0.88	0.65	0.66	0.67
nC35	0.10	0.63	0.36	0.33	0.33
Paraffin	60.41	66.17	62.01	61.94	56.68
Isoprenoid	6.55	5.47	4.89	4.72	5.49
Naphthene	33.04	28.37	33.10	33.35	37.84
CPI 1 Index	0.98	1.10	1.04	1.01	1.02
CPI 2 Index	1.10	1.20	1.12	1.09	1.07
CPI 3 Index	1.07	0.98	1.08	1.15	1.08
Prist/Phytane	2.58	1.57	1.96	1.52	1.64
Prist/nC17	0.66	0.71	0.74	0.60	0.68
Phytane/nC18	0.28	0.35	0.32	0.38	0.42

C.P.I. 1 = $\frac{1}{2}\left(\frac{C21+C23+C25+C27}{C20+C22+C24+C26} + \frac{C21+C23+C25+C27}{C22+C24+C26+C28}\right)$

C.P.I. 2 = $\frac{1}{2}\left(\frac{C25+C27+C29+C31}{C24+C26+C28+C30} + \frac{C25+C27+C29+C31}{C26+C28+C30+C32}\right)$

C.P.I. 3 = $\frac{2x\ (C27)}{C26+C28}$

Job Number : 1706

TABLE 8

COMPOSITION (NORMALISED %) OF C_{15+} SATURATE (PARAFFIN – NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	126A	127A	128A	129A	130A
DEPTH	2079.00	2080.00	2081.00	2082.00	2083.00
SAMPLE TYPE	CORE 8	CORE 8	CORE 8	CORE 8	CORE 8
nC15	4.21	7.26	14.03	4.10	4.26
nC16	5.56	7.83	14.43	5.32	6.22
nC17	6.96	8.47	11.00	6.42	7.64
nC18	6.96	8.34	10.49	7.40	7.87
nC19	8.07	8.60	8.48	8.50	8.29
nC20	7.31	8.15	6.86	8.07	6.81
nC21	8.13	7.01	5.55	8.25	6.57
nC22	7.61	7.71	5.15	8.25	6.57
nC23	7.61	6.50	5.55	7.34	6.22
nC24	6.49	5.80	3.53	7.27	6.81
nC25	5.62	4.84	2.83	6.23	5.51
nC26	4.97	4.52	2.52	4.83	5.27
nC27	4.27	3.82	2.22	4.65	4.74
nC28	3.80	2.87	1.82	3.24	3.55
nC29	3.34	2.55	1.51	3.24	3.73
nC30	2.34	1.59	0.91	2.02	2.72
nC31	2.05	1.34	0.81	1.59	2.31
nC32	1.40	0.83	0.61	1.04	1.36
nC33	1.35	0.96	0.81	1.10	1.66
nC34	1.23	0.70	0.40	0.73	1.24
nC35	0.70	0.32	0.50	0.43	0.65
Paraffin	61.97	55.34	57.92	59.97	60.67
Isoprenoid	4.68	5.18	5.84	4.84	5.57
Naphthene	33.36	39.48	36.24	35.19	33.76
CPI 1 Index	1.05	0.95	1.07	1.03	0.97
CPI 2 Index	1.04	1.06	1.05	1.16	1.07
CPI 3 Index	0.97	1.03	1.02	1.15	1.07
Prist/Phytane	1.87	2.06	2.33	1.75	1.82
Prist/nC17	0.71	0.74	0.64	0.80	0.78
Phytane/nC18	0.38	0.37	0.29	0.40	0.41

$$\text{C.P.I. } 1 = \frac{1}{2}\left(\frac{C21+C23+C25+C27}{C20+C22+C24+C26} + \frac{C21+C23+C25+C27}{C22+C24+C26+C28}\right)$$

$$\text{C.P.I. } 2 = \frac{1}{2}\left(\frac{C25+C27+C29+C31}{C24+C26+C28+C30} + \frac{C25+C27+C29+C31}{C26+C28+C30+C32}\right)$$

$$\text{C.P.I. } 3 = \frac{2x\ (C27)}{C26+C28}$$

Job Number : 1706

CT – ditch cuttings CO– core SWC – sidewall core

TABLE 8
COMPOSITION (NORMALISED %) OF C_{15+} SATURATE (PARAFFIN – NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	131A	132A	133A	134A	135A
DEPTH	2084.50	2085.00	2086.00	2087.50	2088.00
SAMPLE TYPE	CORE 8	CORE 8	CORE 8	CORE 8	CORE 8
nC15	2.73	2.45	3.57	2.98	1.69
nC16	4.56	3.98	5.41	5.60	3.60
nC17	7.17	5.44	7.19	6.14	5.29
nC18	7.59	6.73	6.83	7.75	6.06
nC19	8.44	8.38	7.66	7.99	7.26
nC20	8.26	8.26	7.37	8.34	7.83
nC21	7.78	7.65	6.77	7.75	9.66
nC22	7.59	7.16	7.72	7.99	8.39
nC23	8.32	7.65	7.96	8.28	7.69
nC24	7.11	7.65	7.31	7.57	7.40
nC25	6.68	6.30	6.89	6.67	6.21
nC26	5.71	5.38	5.76	4.95	5.15
nC27	4.74	4.77	4.99	4.59	5.43
nC28	3.46	4.28	3.92	3.40	5.01
nC29	3.16	3.91	3.57	2.98	4.65
nC30	1.88	3.06	2.08	1.97	3.10
nC31	1.52	2.14	1.78	1.79	2.47
nC32	0.97	1.41	1.07	0.95	1.27
nC33	1.15	1.53	1.07	1.07	1.06
nC34	0.79	1.22	0.71	0.83	0.63
nC35	0.36	0.67	0.36	0.42	0.14
Paraffin	62.37	59.33	57.40	63.78	58.09
Isoprenoid	5.04	4.39	5.08	5.06	4.22
Naphthene	32.59	36.28	37.52	31.17	37.69
CPI 1 Index	1.06	1.00	1.01	1.04	1.06
CPI 2 Index	1.11	1.03	1.12	1.16	1.10
CPI 3 Index	1.03	0.99	1.03	1.10	1.07
Prist/Phytane	1.71	1.95	1.61	1.66	1.40
Prist/nC17	0.71	0.90	0.76	0.81	0.80
Phytane/nC18	0.39	0.37	0.50	0.38	0.50

$$\text{C.P.I. 1} = \frac{1}{2}\left(\frac{C21+C23+C25+C27}{C20+C22+C24+C26} + \frac{C21+C23+C25+C27}{C22+C24+C26+C28}\right)$$

$$\text{C.P.I. 2} = \frac{1}{2}\left(\frac{C25+C27+C29+C31}{C24+C26+C28+C30} + \frac{C25+C27+C29+C31}{C26+C28+C30+C32}\right)$$

$$\text{C.P.I. 3} = \frac{2x\ (C27)}{C26+C28}$$

Job Number : 1706

CT – ditch cuttings CO– core SWC – sidewall core

TABLE 8

COMPOSITION (NORMALISED %) OF C_{15+} SATURATE (PARAFFIN – NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	136A	137A	138A	139A	140A
DEPTH	2089.00	2090.50	2091.00	2092.00	2093.00
SAMPLE TYPE	CORE 8	CORE 8	CORE 8	CORE 8	CORE 8
nC15	2.72	2.20	0.16	7.25	7.39
nC16	4.42	4.01	0.80	9.08	8.77
nC17	6.89	5.17	1.92	8.83	9.09
nC18	7.59	6.02	4.24	8.32	8.15
nC19	8.09	7.44	7.05	7.31	7.83
nC20	8.22	9.06	9.21	7.19	7.08
nC21	8.66	7.31	9.05	6.81	7.58
nC22	8.03	8.21	10.81	6.81	7.14
nC23	8.15	8.15	10.41	5.86	5.83
nC24	6.26	7.31	9.21	5.93	5.64
nC25	6.07	6.86	7.93	5.04	4.82
nC26	4.87	5.43	6.41	4.04	4.76
nC27	4.36	4.53	6.24	4.10	3.57
nC28	3.67	4.07	4.96	3.15	3.07
nC29	3.48	3.75	4.32	3.09	2.76
nC30	2.40	3.10	2.56	2.27	1.88
nC31	2.15	2.26	2.00	1.64	1.50
nC32	1.33	1.55	0.96	1.01	1.00
nC33	1.26	1.55	0.96	1.13	1.07
nC34	0.95	1.29	0.56	0.69	0.75
nC35	0.44	0.71	0.24	0.44	0.31
Paraffin	58.35	61.37	52.28	65.75	64.80
Isoprenoid	4.76	4.49	2.51	5.22	5.97
Naphthene	36.89	34.14	45.21	29.02	29.23
CPI 1 Index	1.09	0.98	1.01	1.00	0.97
CPI 2 Index	1.12	1.05	1.13	1.11	1.00
CPI 3 Index	1.02	0.95	1.10	1.14	0.91
Prist/Phytane	1.53	1.51	1.14	2.07	1.83
Prist/nC17	0.72	0.85	1.33	0.61	0.66
Phytane/nC18	0.43	0.48	0.53	0.31	0.40

C.P.I. $1 = \frac{1}{2}\left(\frac{C21+C23+C25+C27}{C20+C22+C24+C26} + \frac{C21+C23+C25+C27}{C22+C24+C26+C28}\right)$

C.P.I. $2 = \frac{1}{2}\left(\frac{C25+C27+C29+C31}{C24+C26+C28+C30} + \frac{C25+C27+C29+C31}{C26+C28+C30+C32}\right)$

C.P.I. $3 = \frac{2x\ (C27)}{C26+C28}$

Job Number : 1706

CT – ditch cuttings CO– core SWC – sidewall core

TABLE 8

COMPOSITION (NORMALISED %) OF C_{15+} SATURATE (PARAFFIN – NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	141A	142A	143A	144A	145A
DEPTH	2094.50	2095.00	2096.00	2097.00	2098.50
SAMPLE TYPE	CORE 8	CORE 8	CORE 8	CORE 8	CORE 8
nC15	2.30	4.34	6.68	2.38	3.91
nC16	3.95	5.78	7.91	4.39	4.82
nC17	6.25	6.90	8.22	6.62	5.99
nC18	7.57	8.54	8.28	7.92	7.49
nC19	10.44	8.48	8.40	8.28	9.12
nC20	11.51	9.20	8.52	10.15	7.62
nC21	10.77	8.08	7.48	8.93	8.60
nC22	10.20	8.15	6.74	9.50	7.49
nC23	8.63	7.49	6.38	8.14	6.97
nC24	6.33	6.77	7.42	7.20	6.51
nC25	5.18	6.31	5.15	6.62	5.93
nC26	3.54	5.26	4.35	4.61	5.41
nC27	3.37	4.47	3.74	4.18	4.63
nC28	3.37	3.15	2.70	3.10	3.78
nC29	2.96	2.43	2.64	2.88	3.39
nC30	1.73	1.58	1.90	1.66	2.35
nC31	1.15	1.12	1.23	1.30	1.95
nC32	0.41	0.66	0.74	0.79	1.37
nC33	0.25	0.66	0.80	0.72	1.30
nC34	0.08	0.53	0.49	0.50	0.98
nC35	0.00	0.13	0.25	0.14	0.39
Paraffin	58.32	63.02	63.36	66.17	59.06
Isoprenoid	5.23	5.51	5.56	5.24	4.77
Naphthene	36.45	31.47	31.08	28.58	36.17
CPI 1 Index	1.04	1.01	0.96	1.01	1.05
CPI 2 Index	1.12	1.10	1.05	1.19	1.06
CPI 3 Index	0.98	1.06	1.06	1.08	1.01
Prist/Phytane	1.42	1.96	1.98	1.50	1.64
Prist/nC17	0.84	0.84	0.71	0.72	0.84
Phytane/nC18	0.49	0.35	0.36	0.40	0.41

$$C.P.I.\ 1 = \frac{1}{2}\left(\frac{C21+C23+C25+C27}{C20+C22+C24+C26} + \frac{C21+C23+C25+C27}{C22+C24+C26+C28}\right)$$

$$C.P.I.\ 2 = \frac{1}{2}\left(\frac{C25+C27+C29+C31}{C24+C26+C28+C30} + \frac{C25+C27+C29+C31}{C26+C28+C30+C32}\right)$$

$$C.P.I.\ 3 = \frac{2x\ (C27)}{C26+C28}$$

Job Number : 1706

CT – ditch cuttings, CO – core, SWC – sidewall core

TABLE 8

COMPOSITION (NORMALISED %) OF C_{15+} SATURATE (PARAFFIN – NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	146A	147A	148A	149A	150A
DEPTH	2099.00	2100.75	2101.75	2102.75	2103.75
SAMPLE TYPE	CORE 8	CORE 9	CORE 9	CORE 9	CORE 9
nC15	2.01	7.22	23.65	4.23	2.25
nC16	3.06	9.60	23.32	6.00	3.75
nC17	5.07	10.25	18.39	6.82	5.02
nC18	6.72	9.45	12.64	7.83	6.47
nC19	8.06	9.52	7.88	7.96	7.74
nC20	8.96	8.30	4.27	7.96	7.51
nC21	10.45	7.58	2.30	8.53	7.68
nC22	9.10	6.78	1.48	8.34	7.85
nC23	8.43	5.84	1.31	8.15	7.39
nC24	7.76	4.40	0.99	6.89	6.81
nC25	5.90	4.40	1.15	5.37	6.29
nC26	5.52	3.46	0.66	5.37	5.77
nC27	4.70	3.10	0.82	3.85	5.08
nC28	3.96	2.31	0.33	3.28	4.73
nC29	3.21	2.38	0.33	2.84	4.04
nC30	2.16	1.52	0.16	2.02	3.41
nC31	1.87	1.37	0.08	1.52	2.66
nC32	1.04	0.87	0.16	1.14	1.73
nC33	1.04	0.79	0.08	1.01	1.85
nC34	0.75	0.58	0.00	0.63	1.39
nC35	0.22	0.29	0.00	0.25	0.58
Paraffin	63.42	61.65	56.60	62.15	56.75
Isoprenoid	4.40	6.32	9.94	4.87	3.93
Naphthene	32.18	32.03	33.46	32.98	39.32
CPI 1 Index	1.03	1.07	1.19	1.00	1.00
CPI 2 Index	1.02	1.17	1.46	0.96	1.01
CPI 3 Index	0.99	1.08	1.67	0.89	0.97
Prist/Phytane	1.38	2.02	2.96	1.82	1.55
Prist/nC17	0.79	0.67	0.71	0.74	0.84
Phytane/nC18	0.43	0.36	0.35	0.35	0.42

$$C.P.I.\ 1 = \frac{1}{2}\left(\frac{C21+C23+C25+C27}{C20+C22+C24+C26} + \frac{C21+C23+C25+C27}{C22+C24+C26+C28}\right)$$

$$C.P.I.\ 2 = \frac{1}{2}\left(\frac{C25+C27+C29+C31}{C24+C26+C28+C30} + \frac{C25+C27+C29+C31}{C26+C28+C30+C32}\right)$$

$$C.P.I.\ 3 = \frac{2x\ (C27)}{C26+C28}$$

Job Number : 1706

CT – ditch cuttings CO– core SWC – sidewall core

TABLE 8

COMPOSITION (NORMALISED %) OF C_{15+} SATURATE (PARAFFIN – NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	151A	152A	153A	154A	155A
DEPTH	2104.75	2105.75	2106.75	2107.75	2108.75
SAMPLE TYPE	CORE 9	CORE 9	CORE 9	CORE 9	CORE 9
nC15	2.94	0.78	13.42	1.99	1.53
nC16	4.55	1.57	14.90	3.74	3.54
nC17	5.87	3.01	15.01	5.43	5.54
nC18	7.27	4.46	14.90	6.33	6.36
nC19	8.04	5.42	9.94	7.05	7.84
nC20	8.46	6.38	7.93	7.23	7.66
nC21	9.79	7.04	5.71	6.87	7.78
nC22	7.34	7.83	4.65	7.96	8.25
nC23	7.83	7.95	3.70	8.08	7.48
nC24	7.97	8.25	2.85	7.53	7.37
nC25	7.13	7.34	2.43	8.08	6.78
nC26	6.43	6.68	1.69	6.27	5.83
nC27	5.31	6.56	1.06	6.75	5.77
nC28	4.34	6.02	0.63	4.82	5.01
nC29	3.15	5.96	0.53	4.34	4.24
nC30	1.82	4.09	0.21	2.65	2.71
nC31	0.98	3.55	0.11	1.99	2.24
nC32	0.42	2.41	0.21	1.09	1.30
nC33	0.21	2.41	0.11	1.02	1.41
nC34	0.07	1.63	0.00	0.60	1.00
nC35	0.07	0.66	0.00	0.18	0.35
Paraffin	63.53	66.12	57.68	56.60	61.33
Isoprenoid	5.38	2.83	9.39	4.50	4.70
Naphthene	31.10	31.05	32.93	38.89	33.97
CPI 1 Index	1.07	1.00	1.03	1.07	1.00
CPI 2 Index	1.04	1.08	1.13	1.21	1.10
CPI 3 Index	0.99	1.03	0.91	1.22	1.07
Prist/Phytane	1.81	1.29	2.02	1.40	1.50
Prist/nC17	0.93	0.80	0.73	0.86	0.83
Phytane/nC18	0.41	0.42	0.36	0.52	0.48

$$\text{C.P.I. } 1 = \frac{1}{2}\left(\frac{C21+C23+C25+C27}{C20+C22+C24+C26} + \frac{C21+C23+C25+C27}{C22+C24+C26+C28}\right)$$

$$\text{C.P.I. } 2 = \frac{1}{2}\left(\frac{C25+C27+C29+C31}{C24+C26+C28+C30} + \frac{C25+C27+C29+C31}{C26+C28+C30+C32}\right)$$

$$\text{C.P.I. } 3 = \frac{2x\ (C27)}{C26+C28}$$

Job Number : 1706

CT – ditch cuttings CO– core SWC – sidewall core

TABLE 8

COMPOSITION (NORMALISED %) OF C_{15+} SATURATE (PARAFFIN – NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	156A	157A	158A	159A
DEPTH	2109.75	2110.75	2112.75	2114.00
SAMPLE TYPE	CORE 9	CORE 9	CORE 9	CORE 9
nC15	1.11	1.92	11.09	1.09
nC16	2.21	3.58	12.73	2.55
nC17	4.64	5.50	12.82	4.67
nC18	7.00	6.63	12.00	6.37
nC19	9.13	7.82	11.64	8.13
nC20	9.06	8.75	9.27	8.01
nC21	10.31	9.08	6.09	8.43
nC22	10.24	8.49	5.55	8.01
nC23	9.50	9.08	4.18	7.89
nC24	7.96	8.36	3.45	6.43
nC25	7.00	7.29	2.91	6.43
nC26	5.52	5.57	2.00	5.64
nC27	4.64	4.97	1.82	5.28
nC28	4.05	3.91	1.45	5.28
nC29	3.68	3.32	1.27	4.31
nC30	1.84	1.79	0.73	3.03
nC31	1.11	1.53	0.45	2.61
nC32	0.52	0.80	0.27	1.88
nC33	0.29	0.86	0.14	1.82
nC34	0.15	0.53	0.09	1.46
nC35	0.04	0.20	0.05	0.67
Paraffin	63.15	59.28	58.82	63.88
Isoprenoid	4.28	4.56	8.02	4.34
Naphthene	32.57	36.16	33.16	31.78
CPI 1 Index	1.05	1.07	0.97	1.05
CPI 2 Index	1.11	1.14	1.15	1.04
CPI 3 Index	0.97	1.05	1.05	0.97
Prist/Phytane	1.63	1.19	1.88	1.38
Prist/nC17	0.90	0.76	0.69	0.84
Phytane/nC18	0.37	0.53	0.39	0.45

$$C.P.I.\ 1 = \frac{1}{2}\left(\frac{C21+C23+C25+C27}{C20+C22+C24+C26} + \frac{C21+C23+C25+C27}{C22+C24+C26+C28}\right)$$

$$C.P.I.\ 2 = \frac{1}{2}\left(\frac{C25+C27+C29+C31}{C24+C26+C28+C30} + \frac{C25+C27+C29+C31}{C26+C28+C30+C32}\right)$$

$$C.P.I.\ 3 = \frac{2x\ (C27)}{C26+C28}$$

Job Number : 1706

CT – ditch cuttings, CO– core, SWC – sidewall core

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WELL : 7219/9-1

TABLES

FIGURES

TABLE 1
ORGANIC CARBON RESULTS AND GROSS LITHOLOGIC DESCRIPTIONS

GEOCHEM SAMPLE NUMBER	DEPTH	GROSS LITHOLOGIC DESCRIPTION	G S A Colour Code	TOTAL ORGANIC CARBON (Wt. % of Rock)
WELL 7219/9-1				
1708-001 SWC	1783.0m	A 98% MUDSTONE - Fine grained, subfissile - blocky, mod soft, non calcareous, dark grey - olive grey	N3-5Y4/1	1.09
1708-002 SWC	1785.0m	A 98% MUDSTONE - Fine grained, subfissile - blocky, mod soft, non calcareous, dark grey	N3	1.38,1.37
1708-003 SWC	1791.0m	A 98% MUDSTONE - Fine grained, subfissile, mod soft, non calcareous, dark grey	N3	1.05
1708-004 SWC	1799.0m	A 98% MUDSTONE - Fine grained, subfissile - blocky, mod soft, non calcareous, olive grey - olive black	5Y4/1-5Y2/1	0.98
1708-005 SWC	1807.0m	A 98% MUDSTONE - Fine grained, subfissile, mod shaly, mod soft - mod hard, non calcareous, medium dark grey - dark grey	N4-N3	1.09
1708-006 SWC	1815.0m	A 98% MUDSTONE - Fine grained, subfissile - blocky, mod hard - mod soft, non calcareous, medium dark grey - dark grey	N4-N3	1.47
1708-007 SWC	1823.0m	A 98% MUDSTONE - Fine grained, subfissile, mod soft, non calcareous, olive grey - olive black	5Y4/1-5Y2/1	1.65
1708-008 SWC	1830.0m	A 98% MUDSTONE - Fine grained, subfissile - blocky, mod soft - mod hard, non calcareous, dark grey - medium dark grey	N3-N4	1.30,1.32
1708-009 SWC	1839.0m	A 98% MUDSTONE - Fine grained, blocky - subfissile, mod soft - mod hard, non calcareous, medium dark grey - olive grey	N4-5Y4/1	2.36
1708-010 SWC	1847.0m	A 98% MUDSTONE - Fine grained, fissile - subfissile, shaly, mod soft, non calcareous, olive grey - olive black	5Y4/1-5Y2/1	2.46
1708-011 SWC	1853.5m	A 98% MUDSTONE - Fine grained, blocky - subfissile, very slightly silty, mod soft, calcareous, mod iron-stained, moderate brown - dark grey	5YR3/4 - N3	0.59
1708-012 SWC	1863.0m	A 98% CALCAREOUS MUDSTONE - Fine grained, subfissile - blocky, mod soft, very slightly silty, olive grey	5Y4/1	1.85

Abbreviations = arenaceous, argillaceous, calcareous, Cut, dolomitic, Fluorescence, foraminifera, fossiliferous
Lost Circulation Material, moderately, occasionally, slightly, very

TABLE 1
ORGANIC CARBON RESULTS AND GROSS LITHOLOGIC DESCRIPTIONS

GEOCHEM SAMPLE NUMBER	DEPTH	GROSS LITHOLOGIC DESCRIPTION	G S A Colour Code	TOTAL ORGANIC CARBON (Wt. % of Rock)
1708-013 SWC	1871.0m	A 98% MUDSTONE - Fine grained, subfissile, mod soft, occasionally slightly silty, calcareous, mod iron stained, greyish brown - moderate brown	5YR3/2-5YR3/4	0.24,0.25
1708-014 SWC	1879.0m	A 98% MUDSTONE - Fine grained, blocky - subfissile, slightly silty, mod soft, mod calcareous, light olive grey - medium grey	5Y6/1-N5	0.29
1708-015 SWC	1887.0m	A 98% MUDSTONE - Fine grained, blocky - subfissile, mod soft - mod hard, calcareous, medium grey - medium dark grey	N5-N4	0.43
1708-016 SWC	1895.0m	A 98% MUDSTONE - Fine grained, blocky - subfissile, mod soft - mod hard, slightly calcareous, medium grey	N5	1.11
1708-017 SWC	1902.0m	A 98% MUDSTONE - Fine grained, subfissile - fissile, mod soft, non calcareous, olive black - olive grey	5Y2/1-5Y4/1	4.80
1708-018 SWC	1904.0m	A 98% MUDSTONE - Fine grained, subfissile - fissile, mod soft, non calcareous, occasionally slightly silty, dark grey - olive grey	N3-5Y4/1	3.42
1708-019 SWC	1906.0m	A 98% MUDSTONE - Fine grained, subfissile, mod soft, non calcareous, olive grey - olive black	5Y4/1-5Y2/1	1.14,1.17
1708-020 SWC	1908.0m	A 98% MUDSTONE - As 1708-019A	5Y4/1-5Y2/1	0.99
1708-021 SWC	1910.0m	A 98% SHALY MUDSTONE - Fine grained, mod soft - mod hard, fissile, medium dark grey - olive grey	N4-5Y4/1	0.86
1708-022 SWC	1912.0m	A 98% MUDSTONE - Fine grained, subfissile - fissile, mod soft, non calcareous, olive grey - olive black	5Y4/1-5Y2/1	0.92
1708-023 SWC	1916.0m	A 98% MUDSTONE - Fine grained, subfissile, mod hard, non calcareous, olive grey	5Y4/1	1.51
1708-024 SWC	1918.0m	A 98% MUDSTONE - Fine grained, subfissile, mod soft - mod hard, non calcareous, dark grey - medium dark grey	N3-N4	0.94,0.92
1708-025 SWC	1920.0m	A 98% MUDSTONE - fine grained, subfissile - blocky, mod hard, very slightly calcareous, olive grey	5Y4/1	0.81

Abbreviations = arenaceous, argillaceous, calcareous, Cut, dolomitic, Fluorescence, foraminifera, fossiliferous
Lost Circulation Material, moderately, occasionally, slightly, very

TABLE 1
ORGANIC CARBON RESULTS AND GROSS LITHOLOGIC DESCRIPTIONS

GEOCHEM SAMPLE NUMBER	DEPTH	GROSS LITHOLOGIC DESCRIPTION	G S A Colour Code	TOTAL ORGANIC CARBON (Wt. % of Rock)
1708-026 SWC	1922.0m	A 98% MUDSTONE - Fine grained, blocky - subfissile, mod soft - mod hard, non calcareous, olive grey - medium dark grey	5Y4/1-N4	0.97

Abbreviations = arenaceous, argillaceous, calcareous, Cut, dolomitic, Fluorescence, foraminifera, fossiliferous
Lost Circulation Material, moderately, occasionally, slightly, very

TABLE 2a

STANDARD PYROLYSIS DATA @300 Deg.C

GEOCHEM SAMPLE NUMBER	DEPTH	ORGANIC CARBON	S0 (mg/g)	S1 (mg/g)	S2 (mg/g)	PRODUCTION INDEX	HYDROGEN INDEX	Tmax (Deg.C)
1708-001A	1783.0	1.09	0.08	0.44	0.84	0.34	77.1	422
1708-002A	1785.0	1.37	0.49	1.32	1.35	0.49	98.5	438
1708-003A	1791.0	1.05	0.06	0.54	0.81	0.40	77.1	427
1708-004A	1799.0	0.98	0.17	0.38	0.66	0.37	67.3	428
1708-005A	1807.0	1.09	0.18	0.99	1.09	0.48	100.0	433
1708-006A	1815.0	1.47	0.30	1.24	1.50	0.45	102.0	436
1708-007A	1823.0	1.65	0.95	2.82	2.23	0.56	135.2	448
1708-008A	1830.0	1.31	0.13	0.84	1.40	0.38	106.9	435
1708-009A	1839.0	2.36	0.03	0.84	4.15	0.17	175.8	426
1708-010A	1847.0	2.46	0.23	1.17	1.64	0.42	66.7	440
1708-011A	1853.5	0.59	0.14	0.36	0.42	0.46	71.2	419
1708-012A	1863.0	1.85	0.25	2.96	3.53	0.46	190.8	433
1708-013A	1871.0	0.24	0.98	1.08	0.01	0.99	4.2	426
1708-014A	1879.0	0.29	0.41	0.63	0.07	0.90	24.1	427
1708-015A	1887.0	0.43	0.17	0.37	0.80	0.32	186.0	438
1708-016A	1895.0	1.11	0.06	0.19	0.96	0.17	86.5	434
1708-017A	1902.0	4.80	0.22	1.43	11.63	0.11	242.3	431
1708-018A	1904.0	3.42	1.40	2.07	1.97	0.51	57.6	444
1708-019A	1906.0	1.15	0.21	0.46	1.41	0.25	122.6	427
1708-020A	1908.0	0.99	0.11	0.49	1.22	0.29	123.2	431
1708-021A	1910.0	0.86	0.12	0.25	1.10	0.19	127.9	434
1708-022A	1912.0	0.92	0.08	0.32	1.29	0.20	140.2	437
1708-023A	1916.0	1.51	0.09	0.41	2.39	0.15	158.3	424
1708-024A	1918.0	0.93	0.12	0.35	1.09	0.24	117.2	434
1708-025A	1920.0	0.81	0.04	0.30	0.85	0.26	104.9	431
1708-026A	1922.0	0.97	0.17	0.35	1.04	0.25	107.2	424

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TABLE 2b

STANDARD PYROLYSIS DATA @340 Deg.C

GEOCHEM SAMPLE NUMBER	DEPTH	ORGANIC CARBON	S0 (mg/g)	S1 (mg/g)	S2 (mg/g)	PRODUCTION INDEX	HYDROGEN INDEX	Tmax (Deg.C)
1708-001A	1783.0	1.09	0.31	0.99	0.89	0.53	81.7	425
1708-002A	1785.0	1.37	0.21	1.23	1.25	0.50	91.2	433
1708-003A	1791.0	1.05	0.10	0.88	0.75	0.54	71.4	426
1708-004A	1799.0	0.98	0.19	0.79	0.59	0.57	60.2	423
1708-005A	1807.0	1.09	0.25	0.95	0.89	0.52	81.7	434
1708-006A	1815.0	1.47	0.11	0.96	1.48	0.39	100.7	438
1708-007A	1823.0	1.65	0.34	1.20	2.36	0.34	143.0	438
1708-008A	1830.0	1.31	0.26	1.24	1.45	0.46	110.7	433
1708-009A	1839.0	2.36	0.05	0.99	4.64	0.18	196.6	427
1708-010A	1847.0	2.46	0.10	0.85	2.22	0.28	90.2	435
1708-011A	1853.5	0.59	0.01	0.24	0.44	0.35	74.6	424
1708-012A	1863.0	1.85	0.03	4.49	4.32	0.51	233.5	445
1708-013A	1871.0	0.24	0.81	1.33	0.01	0.99	4.2	428
1708-014A	1879.0	0.29	0.05	0.55	0.05	0.92	17.2	426
1708-015A	1887.0	0.43	0.08	0.29	0.72	0.29	167.4	447
1708-016A	1895.0	1.11	0.10	0.41	0.90	0.31	81.1	430
1708-017A	1902.0	4.80	0.04	1.84	13.90	0.12	289.6	431
1708-018A	1904.0	3.42	0.10	0.74	2.38	0.24	69.6	438
1708-019A	1906.0	1.15	0.42	1.33	1.52	0.47	132.2	435
1708-020A	1908.0	0.99	0.07	0.33	1.19	0.22	120.2	433
1708-021A	1910.0	0.86	0.01	0.25	1.14	0.18	132.6	433
1708-022A	1912.0	0.92	0.05	0.27	1.47	0.16	159.8	434
1708-023A	1916.0	1.51	0.02	0.33	2.51	0.12	166.2	431
1708-024A	1918.0	0.93	0.09	0.34	1.15	0.23	123.7	430
1708-025A	1920.0	0.81	0.05	0.34	0.86	0.28	106.2	433
1708-026A	1922.0	0.97	0.05	0.52	1.10	0.32	113.4	427

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TABLE 3a

GAS-OIL INDEX (1) UNEXTRACTED SAMPLES

SAMPLE NUMBER	DEPTH	% C1	% C2-C5	% C6-C14	% C15+	% nC17	% C1-C5
1708-001A	1783.0	3.82	13.17	74.93	7.34	0.74	16.99
1708-002A	1785.0	9.41	31.63	50.75	7.51	0.70	41.03
1708-003A	1791.0	13.58	24.17	56.36	5.36	0.51	37.76
1708-004A	1799.0	12.80	25.61	56.17	4.94	0.48	38.41
1708-005A	1807.0	11.67	31.88	51.05	4.85	0.55	43.55
1708-006A	1815.0	12.35	31.16	49.87	6.06	0.56	43.51
1708-007A	1823.0	14.95	29.63	47.01	7.72	0.69	44.58
1708-008A	1830.0	12.21	26.36	52.93	7.94	0.57	38.57
1708-009A	1839.0	8.38	25.66	55.63	9.42	0.92	34.03
1708-010A	1847.0	10.73	26.22	51.90	10.28	0.87	36.95
1708-011A	1853.5	9.58	21.08	61.17	7.70	0.48	30.65
1708-012A	1863.0	14.80	28.23	50.10	6.55	0.32	43.03
1708-013A	1871.0	16.79	47.81	35.40	0.00	0.00	64.60
1708-014A	1879.0	5.86	29.35	47.72	16.76	0.31	35.21
1708-015A	1887.0	8.57	52.68	38.67	0.07	0.01	61.25
1708-016A	1895.0	11.70	38.95	47.43	1.79	0.13	50.65
1708-017A	1902.0	11.07	27.39	49.06	11.62	0.86	38.46
1708-018A	1904.0	11.11	37.46	44.20	6.70	0.53	48.57
1708-019A	1906.0	11.15	41.64	46.37	0.77	0.06	52.79
1708-020A	1908.0	13.66	38.70	46.55	1.06	0.04	52.35
1708-021A	1910.0	7.70	32.97	51.35	7.36	0.61	40.67
1708-022A	1912.0	12.22	36.74	49.11	1.83	0.11	48.96
1708-023A	1916.0	9.93	31.43	48.15	9.77	0.72	41.35
1708-024A	1918.0	12.13	40.46	46.71	0.67	0.04	52.59
1708-025A	1920.0	12.75	28.78	55.20	3.09	0.18	41.53
1708-026A	1922.0	9.60	31.10	51.11	7.57	0.61	40.70

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TABLE 3b

GAS-OIL INDEX (2) UNEXTRACTED SAMPLES

SAMPLE NUMBER	DEPTH	% C1	% C2-C6	% C7-C14	% C15+	% nC17	% C1-C6
1708-001A	1783.0	3.82	16.92	71.19	7.34	0.74	20.74
1708-002A	1785.0	9.41	39.37	43.01	7.51	0.70	48.77
1708-003A	1791.0	13.58	32.28	48.26	5.36	0.51	45.87
1708-004A	1799.0	12.80	32.34	49.43	4.94	0.48	45.14
1708-005A	1807.0	11.67	40.46	42.47	4.85	0.55	52.13
1708-006A	1815.0	12.35	37.56	43.47	6.06	0.56	49.91
1708-007A	1823.0	14.95	36.71	39.94	7.72	0.69	51.66
1708-008A	1830.0	12.21	33.62	45.66	7.94	0.57	45.83
1708-009A	1839.0	8.38	34.03	47.25	9.42	0.92	42.41
1708-010A	1847.0	10.73	34.09	44.03	10.28	0.87	44.83
1708-011A	1853.5	9.58	28.98	53.27	7.70	0.48	38.55
1708-012A	1863.0	14.80	36.96	41.37	6.55	0.32	51.76
1708-013A	1871.0	16.79	62.29	20.92	0.00	0.00	79.08
1708-014A	1879.0	5.86	37.08	39.99	16.76	0.31	42.94
1708-015A	1887.0	8.57	64.65	26.71	0.07	0.01	73.21
1708-016A	1895.0	11.70	50.54	35.83	1.79	0.13	62.25
1708-017A	1902.0	11.07	35.55	40.91	11.62	0.86	46.62
1708-018A	1904.0	11.11	43.12	38.54	6.70	0.53	54.23
1708-019A	1906.0	11.15	53.59	34.42	0.77	0.06	64.74
1708-020A	1908.0	13.66	51.53	33.71	1.06	0.04	65.19
1708-021A	1910.0	7.70	42.62	41.71	7.36	0.61	50.32
1708-022A	1912.0	12.22	48.44	37.41	1.83	0.11	60.65
1708-023A	1916.0	9.93	39.05	40.53	9.77	0.72	48.98
1708-024A	1918.0	12.13	52.19	34.97	0.67	0.04	64.33
1708-025A	1920.0	12.75	37.15	46.84	3.09	0.18	49.89
1708-026A	1922.0	9.60	40.28	41.93	7.57	0.61	49.89

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TABLE 4a

GAS-OIL INDEX (1) EXTRACTED SAMPLES

SAMPLE NUMBER	DEPTH	% C1	% C2-C5	% C6-C14	% C15+	% nC17	% C1-C5
1708-001A	1783.0	8.97	28.74	48.37	13.76	0.15	37.71
1708-002A	1785.0	11.39	35.21	44.67	8.63	0.09	46.61
1708-003A	1791.0	10.11	32.03	55.91	1.84	0.11	42.14
1708-004A	1799.0	15.81	36.16	45.77	2.19	0.07	51.96
1708-005A	1807.0	12.37	27.92	58.11	1.43	0.17	40.29
1708-006A	1815.0	14.64	39.82	44.40	1.12	0.03	54.46
1708-007A	1823.0	15.78	39.51	41.52	3.19	0.00	55.29
1708-008A	1830.0	17.30	27.56	52.50	2.64	0.00	44.85
1708-009A	1839.0	10.04	23.94	62.64	3.02	0.36	33.98
1708-010A	1847.0	30.82	18.52	48.01	2.65	0.00	49.34
1708-011A	1853.5	15.93	37.13	46.93	0.00	0.00	53.07
1708-012A	1863.0	21.06	32.78	46.16	0.00	0.00	53.84
1708-013A	1871.0	14.92	33.43	51.65	0.00	0.00	48.35
1708-014A	1879.0	10.96	45.38	43.65	0.00	0.00	56.35
1708-015A	1887.0	12.00	42.78	44.61	0.55	0.06	54.77
1708-016A	1895.0	9.04	40.97	47.96	1.87	0.16	50.01
1708-017A	1902.0	13.93	27.82	53.48	4.40	0.38	41.75
1708-018A	1904.0	17.74	35.45	44.09	2.57	0.14	53.19
1708-019A	1906.0	8.74	44.79	45.11	1.29	0.07	53.53
1708-020A	1908.0	6.66	40.90	50.23	2.12	0.09	47.56
1708-021A	1910.0	9.14	41.72	47.87	1.17	0.10	50.86
1708-022A	1912.0	9.84	40.30	48.24	1.50	0.12	50.14
1708-023A	1916.0	11.60	35.19	50.98	2.08	0.15	46.80
1708-024A	1918.0	9.55	44.26	45.10	1.03	0.06	53.80
1708-025A	1920.0	11.00	39.48	47.53	1.77	0.22	50.48
1708-026A	1922.0	6.74	36.74	49.95	5.84	0.73	43.48

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TABLE 4b
GAS-OIL INDEX (2) EXTRACTED SAMPLES

SAMPLE NUMBER	DEPTH	% C1	% C2-C6	% C7-C14	% C15+	% nC17	% C1-C6
1708-001A	1783.0	8.97	36.26	40.85	13.76	0.15	45.23
1708-002A	1785.0	11.39	43.13	36.75	8.63	0.09	54.52
1708-003A	1791.0	10.11	41.73	46.20	1.84	0.11	51.84
1708-004A	1799.0	15.81	51.37	30.56	2.19	0.07	67.18
1708-005A	1807.0	12.37	52.96	33.07	1.43	0.17	65.33
1708-006A	1815.0	14.64	56.48	27.73	1.12	0.03	71.13
1708-007A	1823.0	15.78	52.42	28.61	3.19	0.00	68.21
1708-008A	1830.0	17.30	43.30	36.75	2.64	0.00	60.60
1708-009A	1839.0	10.04	47.24	39.34	3.02	0.36	57.28
1708-010A	1847.0	30.82	28.63	37.90	2.65	0.00	59.45
1708-011A	1853.5	15.93	51.60	32.47	0.00	0.00	67.53
1708-012A	1863.0	21.06	43.42	35.52	0.00	0.00	64.48
1708-013A	1871.0	14.92	49.16	35.92	0.00	0.00	64.08
1708-014A	1879.0	10.96	66.80	22.23	0.00	0.00	77.77
1708-015A	1887.0	12.00	56.18	31.21	0.55	0.06	68.18
1708-016A	1895.0	9.04	52.90	36.04	1.87	0.16	61.94
1708-017A	1902.0	13.93	39.20	42.09	4.40	0.38	53.13
1708-018A	1904.0	17.74	46.04	33.50	2.57	0.14	63.78
1708-019A	1906.0	8.74	59.20	30.70	1.29	0.07	67.94
1708-020A	1908.0	6.66	54.12	37.01	2.12	0.09	60.78
1708-021A	1910.0	9.14	56.57	33.02	1.17	0.10	65.70
1708-022A	1912.0	9.84	54.44	34.10	1.50	0.12	64.28
1708-023A	1916.0	11.60	47.76	38.41	2.08	0.15	59.36
1708-024A	1918.0	9.55	57.43	31.92	1.03	0.06	66.98
1708-025A	1920.0	11.00	51.76	35.25	1.77	0.22	62.76
1708-026A	1922.0	6.74	46.11	40.58	5.84	0.73	52.85

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TABLE 5
KEROGEN TYPE AND MATURATION

GEOCHEM SAMPLE NUMBER	DEPTH	ORGANIC MATTER DESCRIPTION					THERMAL MATURATION	
		TYPES >35%, 10-35%, <10%	REMARKS	RE WORKED (%)	PARTICLE SIZE	PRESERV ATION	THERMAL ALTERATION INDEX	1 – 10 SCALE
Well: 7219/9-1								
1708-001A	1783.0m	I-W;-;H-Al	W/I differentiation difficult		F-M	F-G	1+ to 2-/2-	2.9
1708-002A	1785.0m	W;I-H;Al-Am			F-M	F-G	1+ to 2-/2-	2.9
1708-003A	1791.0m	I;W-Al-H;Am	W/I differentiation difficult		F-M	F-G	1+ to 2-/2-	2.9
1708-004A	1799.0m	I-W;Al;H-Am	W/I differentiation difficult		F-M	G	1+ to 2-/2-	2.9
1708-005A	1807.0m	I-W;Al-H;-	W/I differentiation difficult		F-M	G	1+ to 2-/2-	2.9
1708-006A	1815.0m	W-I;Al-H;(Am)	W/I differentiation difficult		F-M	F	1+ to 2-/2-	2.9
1708-007A	1823.0m	W;I-H-Al;Am			F-M	F-G	2- max	3
1708-008A	1830.0m	W-I;H-Al;Am			F-M	G	2- max	3
1708-009A	1839.0m	(W;H-Am-Al-I;-)	sapropelisation, differentiation difficult		F-M	F-G	2- max	3
1708-010A	1847.0m	W;I-H;Al-Am	W/I differentiation difficult		F-M	F	2-	3
1708-011A	1853.5m	W;I-H;Al-Am	lean		F-M	F	2-	3

Algal, Amorphous, Herbaceous, Inertinite, Resin, Wood

preservation = Poor, Fair, Good size = Fine, Medium, Coarse

TA1 SCALE	1	1 + to 2–	2–	2	2 to 2+	2+ to 3–	3	3+	4	5
1 – 10 SCALE	1	2	3	4	5	6	7	8	9	10

TABLE 5

KEROGEN TYPE AND MATURATION

GEOCHEM SAMPLE NUMBER	DEPTH	ORGANIC MATTER DESCRIPTION					THERMAL MATURATION	
		TYPES >35%; 10-35%; <10%	REMARKS	RE-WORKED (%)	PARTICLE SIZE	PRESERV-ATION	THERMAL ALTERATION INDEX	1 – 10 SCALE
1708-012A	1863.0m	(Am*;W**-H**;Al-I)	differentiation difficult, unreliable * degraded, commonly disseminated and/or incompletely developed ** commonly degraded, includes unrecognisable material		F-M	F	2-	3
1708-013A	1871.0m	I;W;H-Al		90	F-M	F	2-	3
1708-014A	1879.0m	I;W;H-Al	W/I differentiation difficult	90	F-M	F-G	2-	3
1708-015A	1887.0m	I-W;-;H-Al	contamination	90	F-M	F	2-(?)	3(?)
1708-016A	1895.0m	W;I-H;Al-Am			F-M	F	2-	3
1708-017A	1902.0m	Am*;W;Al-H-I	* degraded, frequently incompletely developed		F-M/C	F-G	2-	3
1708-018A	1904.0m	Am*;W-I;H-Al	* degraded, commonly finely disseminated		F-M	F	2-	3
1708-019A	1906.0m	-;W-Al-H;I-Am	sapropelisation, differentiation difficult		F-M	F-G	2-	3
1708-020A	1908.0m	W-Al;H-I;Am	differentiation difficult		F-M	F-G	2-	3
1708-021A	1910.0m	-;W-Al-H-I;Am			F-M	F	2- to 2	3.5
1708-022A	1912.0m	-;W-Al-I-H;Am			F-M	F-G	2- to 2	3.5
1708-023A	1916.0m	-;W-Al-H-I;Am	sapropelisation		F-M	G	2- to 2	3.5
1708-024A	1918.0m	W;I-H-Al;Am			M	G	2- to 2	3.5
1708-025A	1920.0m	W;I-H-Al;Am			M	G	2- to 2	3.5
1708-026A	1922.0m	W;I-Al-H;Am			F-M	G	2- to 2	3.5

Algal, Amorphous, Herbaceous, Inertinite, Resin, Wood

preservation = Poor, Fair, Good size = Fine, Medium, Coarse

TAI SCALE	1	1 + to 2–	2–	2	2 to 2+	2+ to 3–	3	3+	4	5
1 – 10 SCALE	1	2	3	4	5	6	7	8	9	10

TABLE 6
KEROGEN COMPOSITION

WELL: 7219/9-1

GEOCHEM SAMPLE NUMBER	DEPTH	VISUAL ESTIMATE (%) AM	A1	H.	W	I
1708-001A	1783.0m	--	<10	<10	40	45
1708-002A	1785.0m	<5	<10	10	55	30
1708-003A	1791.0m	1	10	10	30	50
1708-004A	1799.0m	1	10	<10	35	45
1708-005A	1807.0m	--	10	10	35	45
1708-006A	1815.0m	<5	10	10	40	40
1708-007A	1823.0m	<5	10	15	40	30
1708-008A	1830.0m	<5	10	15	40	35
1708-009A	1839.0m	(10	10	30	40	10)
1708-010A	1847.0m	<5	<10	15	45	30
1708-011A	1853.5m	<5	<5	10	55	30
1708-012A	1863.0m	(60	<5	10	25	1
1708-013A	1871.0m	--	<5	<10	25	65
1708-014A	1879.0m	--	<5	<10	30	60
1708-015A	1887.0m	--	<10	<10	35	50
1708-016A	1895.0m	<5	<10	20	40	30
1708-017A	1902.0m	70	<10	<10	<10	<5
1708-018A	1904.0m	60	1	<10	20	15
1708-019A	1906.0m	<10	25	25	35	<10
1708-020A	1908.0m	<5	35	15	35	10
1708-021A	1910.0m	<5	25	20	35	15

TABLE 6
KEROGEN COMPOSITION

WELL: 7219/9-1

GEOCHEM SAMPLE NUMBER	DEPTH	AM	VISUAL ESTIMATE (%) A1	H.	W	I
1708-022A	1912.0m	<10	25	20	30	20
1708-023A	1916.0m	<5	25	25	35	10
1708-024A	1918.0m	<5	10	15	45	30
1708-025A	1920.0m	<5	10	15	40	30
1708-026A	1922.0m	<5	15	15	40	30

( ) differentiation difficult, treat with caution.

TABLE 7

CHNOS ANALYSIS

Composition w/w %

SAMPLE NO.	DEPTH (m)	CARBON	HYDROGEN	NITROGEN	OXYGEN	SULPHUR
1708-015A	1887.0	41.67	3.44	0.93	7.22	13.80
1708-016A	1895.0	52.29	3.65	1.01	6.62	6.02
1708-017A	1902.0	51.88	4.41	1.19	5.95	5.50
1708-018A	1904.0	66.64	3.84	0.98	5.61	3.40
1708-019A	1906.0	53.84	4.94	0.53	4.96	15.60
1708-020A	1908.0	62.02	4.78	1.05	6.76	4.66
1708-021A	1910.0	57.59	4.41	0.95	6.51	3.29
1708-022A	1912.0	59.22	4.48	0.94	5.91	3.23
1708-023A	1916.0	58.90	4.76	1.22	5.64	6.80
1708-024A	1918.0	51.68	3.89	1.01	6.43	1.36
1708-025A	1920.0	61.99	4.02	1.02	6.01	4.09
1708-026A	1922.0	54.28	3.69	0.95	6.64	4.63

TABLE 8

ATOMIC RATIOS

GEOCHEM SAMPLE NUMBER	DEPTH (m)	KEROGEN CONCENTRATE H/C	O/C
1708-015A	1887.0	0.991	0.130
1708-016A	1895.0	0.838	0.095
1708-017A	1902.0	1.020	0.086
1708-018A	1904.0	0.691	0.063
1708-019A	1906.0	1.101	0.069
1708-020A	1908.0	0.925	0.082
1708-021A	1910.0	0.919	0.085
1708-022A	1912.0	0.908	0.075
1708-023A	1916.0	0.970	0.072
1708-024A	1918.0	0.903	0.093
1708-025A	1920.0	0.778	0.073
1708-026A	1922.0	0.814	0.092

TABLE 9
DETAILED GASOLINE RANGE (C_4 - C_7) COMPOSITION

GEOCHEM SAMPLE NUMBER	1708-001A	1708-002A	1708-003A	1708-004A	1708-005A	1708-006A
DEPTH	1783.0	1785.0	1791.0	1799.0	1807.0	1815.0
SAMPLE TYPE						
NORMALISED COMPOSITION						
isobutane	1.67	2.45	0.84	2.80	5.75	7.82
n-butane	4.56	6.28	2.66	7.99	12.97	12.59
isopentane	8.67	10.22	6.62	10.70	12.37	12.42
n-pentane	12.60	12.19	10.73	13.28	14.99	13.65
2,2-dimethylB	0.78	0.84	0.69	0.66	0.55	0.64
cyclopentane	1.76	1.91	1.60	1.49	1.46	1.86
2,3-dimethylB	0.17	0.07	0.07	0.04	0.06	0.06
2-methylP	10.06	10.28	10.94	9.56	8.16	8.52
3-methylP	5.55	5.75	5.73	5.15	4.53	4.72
n-hexane	13.33	12.45	13.88	12.16	9.79	9.78
methylCP	2.31	2.42	1.31	2.18	2.25	2.31
2,2-dimethylP	1.17	1.08	1.51	0.89	0.57	0.77
2,4-dimethylP	0.30	0.30	0.29	0.23	0.15	0.00
2,2,3-trimethylB	0.00	0.00	0.00	0.00	0.00	0.00
benzene	0.21	0.23	0.28	0.18	0.15	0.17
cyclohexane	3.26	3.78	2.23	3.15	4.03	4.24
3,3-dimethylP	0.00	0.00	0.00	0.00	0.00	0.00
1,1-dimethylCP	0.00	0.00	0.00	0.00	0.00	0.00
2-MH	7.70	5.62	9.76	6.50	4.47	4.28
2,3-dimethylP	0.00	0.00	0.00	0.00	0.00	0.00
3-MH	4.88	4.35	6.49	4.28	2.83	2.66
1,c,3-DMCP	0.72	0.71	0.75	0.59	0.53	0.49
1,t,3-DMCP	0.61	0.59	0.49	0.51	0.37	0.40
1,t,2-DMCP	1.83	1.78	2.02	1.54	1.24	1.19
3-ethylP	0.00	0.00	0.00	0.00	0.00	0.00
n-heptane(nC7)	8.25	7.09	11.00	7.97	4.75	4.38
methylCH	8.86	8.91	9.13	7.52	7.72	6.70
1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
toluene	0.74	0.69	0.98	0.61	0.32	0.32
ABUNDANCE(ppm)	47	520	43	44	360	49
nC7/C7NAPHTHENES	0.69	0.59	0.89	0.78	0.48	0.50
total MH/DMCP	3.98	3.23	4.99	4.08	3.41	3.36
1,t,2-/1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
nC6/methylCP	5.78	5.14	10.60	5.57	4.35	4.23
C6-C7 FRACTION						
%n-PARAFFINS	30.52	29.18	32.08	31.59	27.71	27.42
%iso-PARAFFINS	43.27	42.27	45.76	42.86	40.63	41.94
% NAPHTHENES	24.86	27.18	20.54	24.32	30.76	29.68
% AROMATICS	1.35	1.37	1.62	1.24	0.90	0.96

DMCP dimethylcyclopentane MH methylhexane B butane CH cyclohexane CP cyclopentane H hexane P pentane

TABLE 9
DETAILED GASOLINE RANGE (C_4 - C_7) COMPOSITION

GEOCHEM SAMPLE NUMBER	1708-007A	1708-008A	1708-009A	1708-010A	1708-011A	1708-012A
DEPTH	1823.0	1830.0	1839.0	1847.0	1853.5	1863.0
SAMPLE TYPE						
NORMALISED COMPOSITION						
isobutane	2.56	10.54	3.27	11.04	3.41	0.89
n-butane	5.53	16.84	4.82	26.38	8.61	1.33
isopentane	7.73	14.52	6.65	11.74	7.23	6.61
n-pentane	8.50	16.43	29.89	20.79	19.45	11.01
2,2-dimethylB	0.95	0.51	1.14	0.66	0.89	1.14
cyclopentane	2.42	1.84	1.85	1.42	1.51	1.93
2,3-dimethylB	0.03	0.11	1.12	0.56	0.62	0.17
2-methylP	10.11	6.87	5.33	4.47	6.57	8.61
3-methylP	6.82	3.63	3.17	2.47	3.74	4.85
n-hexane	12.08	7.48	6.34	5.18	11.26	13.59
methylCP	1.85	1.94	2.58	1.20	1.67	1.90
2,2-dimethylP	1.29	0.46	2.34	0.53	0.98	1.86
2,4-dimethylP	0.24	0.00	0.00	0.00	0.00	0.00
2,2,3-trimethylB	0.00	0.00	0.00	0.00	0.00	0.00
benzene	0.27	0.11	0.72	0.03	0.40	0.40
cyclohexane	3.68	4.58	5.43	3.90	5.39	4.94
3,3-dimethylP	0.00	0.00	0.00	0.00	0.00	0.00
1,1-dimethylCP	0.00	0.00	0.00	0.00	0.00	0.00
2-MH	8.48	2.88	5.06	2.03	5.58	9.23
2,3-dimethylP	0.00	0.00	0.00	0.00	0.00	0.00
3-MH	5.52	1.68	2.73	0.94	2.96	5.11
1,c,3-DMCP	0.69	0.32	0.51	0.23	0.39	0.40
1,t,3-DMCP	0.45	0.20	0.63	0.12	0.54	0.71
1,t,2-DMCP	1.77	0.81	1.90	0.75	1.62	2.12
3-ethylP	0.00	0.00	0.00	0.00	0.00	0.00
n-heptane(nC7)	9.73	2.67	4.53	1.26	4.08	8.19
methylCH	8.59	5.43	8.98	4.26	12.55	13.98
1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
toluene	0.71	0.15	1.02	0.04	0.54	1.04
ABUNDANCE(ppm)	994	39	62	136	121	26
nC7/C7NAPHTHENES	0.85	0.39	0.38	0.23	0.27	0.48
total MH/DMCP	4.81	3.43	2.56	2.70	3.34	4.44
1,t,2-/1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
nC6/methylCP	6.54	3.86	2.45	4.30	6.74	7.15
C6-C7 FRACTION						
%n-PARAFFINS	29.77	25.47	20.31	22.49	25.66	27.84
%iso-PARAFFINS	45.66	40.52	39.01	40.73	35.69	39.59
% NAPHTHENES	23.24	33.34	37.44	36.55	37.07	30.73
% AROMATICS	1.33	0.66	3.24	0.23	1.57	1.84

DMCP dimethylcyclopentane **MH** methylhexane **B** butane **CH** cyclohexane **CP** cyclopentane **H** hexane **P** pentane

TABLE 9
DETAILED GASOLINE RANGE (C_4 - C_7) COMPOSITION

GEOCHEM SAMPLE NUMBER	1708-013A	1708-014A	1708-015A	1708-016A	1708-017A	1708-018A
DEPTH	1871.0	1879.0	1887.0	1895.0	1902.0	1904.0
SAMPLE TYPE						
NORMALISED COMPOSITION						
isobutane	2.09	4.44	0.26	0.19	0.26	9.22
n-butane	10.13	21.02	1.23	2.38	1.94	21.22
isopentane	5.77	8.67	2.29	0.60	1.13	14.57
n-pentane	28.81	31.19	65.49	67.81	89.27	26.26
2,2-dimethylB	2.97	0.85	1.59	7.88	0.78	0.41
cyclopentane	2.16	1.09	0.65	0.23	0.11	1.30
2,3-dimethylB	0.00	0.53	0.79	0.00	0.55	0.34
2-methylP	5.29	3.92	2.09	1.49	1.28	5.52
3-methylP	2.65	2.37	1.33	0.85	0.87	2.87
n-hexane	9.84	5.94	5.04	7.35	1.63	4.61
methylCP	3.50	1.86	1.77	0.56	0.19	2.63
2,2-dimethylP	0.52	0.34	0.31	0.29	0.03	0.20
2,4-dimethylP	0.00	0.00	0.23	0.00	0.00	0.00
2,2,3-trimethylB	0.00	0.00	0.00	0.00	0.00	0.00
benzene	0.52	0.27	0.29	0.02	0.09	0.10
cyclohexane	3.60	4.15	3.26	1.11	0.56	2.07
3,3-dimethylP	0.00	0.00	0.00	0.00	0.00	0.00
1,1-dimethylCP	0.00	0.00	0.00	0.00	0.00	0.00
2-MH	2.71	1.89	1.77	1.79	0.10	1.42
2,3-dimethylP	0.00	0.00	0.00	0.00	0.00	0.00
3-MH	1.82	0.94	0.98	1.13	0.07	0.86
1,c,3-DMCP	0.95	0.32	0.53	0.23	0.07	0.66
1,t,3-DMCP	0.75	0.36	0.55	0.17	0.04	0.50
1,t,2-DMCP	2.24	1.09	1.64	0.51	0.09	1.65
3-ethylP	0.00	0.00	0.00	0.00	0.00	0.00
n-heptane(nC7)	5.60	1.36	1.56	2.58	0.42	1.03
methylCH	7.20	7.04	5.92	2.79	0.31	2.45
1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
toluene	0.89	0.33	0.43	0.05	0.22	0.11
ABUNDANCE(ppm)	811	298	175	43	1001	1596
nC7/C7NAPHTHENES	0.50	0.15	0.18	0.70	0.83	0.19
total MH/DMCP	1.15	1.59	1.01	3.20	0.85	0.81
1,t,2-/1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
nC6/methylCP	2.81	3.19	2.86	13.13	8.66	1.76
C6-C7 FRACTION						
%n-PARAFFINS	30.25	21.75	21.96	34.48	28.10	20.56
%iso-PARAFFINS	31.26	32.30	30.24	46.64	50.48	42.37
% NAPHTHENES	35.72	44.17	45.43	18.63	17.18	36.32
% AROMATICS	2.77	1.78	2.37	0.25	4.24	0.75

DMCP dimethylcyclopentane MH methylhexane B butane CH cyclohexane CP cyclopentane H hexane P pentane

TABLE 9
DETAILED GASOLINE RANGE (C_4 - C_7) COMPOSITION

GEOCHEM SAMPLE NUMBER	1708-019A	1708-020A	1708-021A	1708-022A	1708-023A	1708-024A
DEPTH	1906.0	1908.0	1910.0	1912.0	1916.0	1918.0
SAMPLE TYPE						
NORMALISED COMPOSITION						
isobutane	10.80	13.42	17.06	10.89	17.36	15.87
n-butane	24.21	29.34	31.90	22.87	29.15	28.86
isopentane	18.25	18.35	18.03	17.57	16.12	17.32
n-pentane	20.65	16.90	15.21	20.97	16.61	16.70
2,2-dimethylB	0.38	0.30	0.26	0.87	0.52	0.34
cyclopentane	1.40	1.19	1.14	1.18	1.01	1.16
2,3-dimethylB	0.32	0.25	0.26	0.42	0.34	0.28
2-methylP	4.95	4.33	3.52	4.90	3.73	3.90
3-methylP	2.74	2.29	1.92	2.58	1.95	2.09
n-hexane	3.08	2.84	2.24	4.34	2.68	2.69
methylCP	3.16	2.51	2.06	2.60	2.10	2.29
2,2-dimethylP	0.36	0.17	0.12	0.17	0.15	0.17
2,4-dimethylP	0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-trimethylB	0.00	0.00	0.00	0.00	0.00	0.00
benzene	0.24	0.00	0.05	0.00	0.15	0.14
cyclohexane	2.85	2.17	1.83	2.38	2.12	2.21
3,3-dimethylP	0.00	0.00	0.00	0.00	0.00	0.00
1,1-dimethylCP	0.00	0.00	0.00	0.00	0.00	0.00
2-MH	1.10	0.85	0.64	1.26	0.88	0.88
2,3-dimethylP	0.00	0.00	0.00	0.00	0.00	0.00
3-MH	0.51	0.50	0.36	0.78	0.52	0.51
1,c,3-DMCP	0.57	0.41	0.31	0.50	0.33	0.35
1,t,3-DMCP	0.38	0.50	0.21	0.35	0.24	0.24
1,t,2-DMCP	1.54	1.00	0.80	1.21	0.78	0.75
3-ethylP	0.00	0.00	0.00	0.00	0.00	0.00
n-heptane(nC7)	0.41	0.58	0.48	1.12	0.58	0.56
methylCH	2.09	2.05	1.54	2.95	2.43	2.51
1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
toluene	0.04	0.03	0.06	0.08	0.23	0.19
ABUNDANCE(ppm)	92	140	136	107	103	162
nC7/C7NAPHTHENES	0.09	0.15	0.17	0.22	0.15	0.15
total MH/DMCP	0.65	0.71	0.76	0.99	1.03	1.05
1,t,2-/1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
nC6/methylCP	0.98	1.13	1.08	1.67	1.27	1.17
C6-C7 FRACTION						
%n-PARAFFINS	14.13	16.44	16.29	20.61	16.51	16.21
%iso-PARAFFINS	41.95	41.84	42.44	41.41	40.99	40.63
% NAPHTHENES	42.82	41.58	40.57	37.69	40.57	41.52
% AROMATICS	1.10	0.14	0.69	0.28	1.93	1.64

DMCP dimethylcyclopentane **MH** methylhexane **B** butane **CH** cyclohexane **CP** cyclopentane **H** hexane **P** pentane

TABLE 9
DETAILED GASOLINE RANGE (C_4 - C_7) COMPOSITION

GEOCHEM SAMPLE NUMBER	1708-025A	1708-026A
DEPTH	1920.0	1922.0
SAMPLE TYPE		
NORMALISED COMPOSITION		
isobutane	12.39	14.85
n-butane	26.74	28.49
isopentane	14.86	14.56
n-pentane	19.22	19.82
2,2-dimethylB	0.42	0.51
cyclopentane	1.29	1.13
2,3-dimethylB	0.34	0.32
2-methylP	4.43	3.55
3-methylP	2.41	1.94
n-hexane	3.36	2.82
methylCP	2.62	2.29
2,2-dimethylP	0.32	0.30
2,4-dimethylP	0.00	0.00
2,2,3-trimethylB	0.00	0.00
benzene	0.09	0.15
cyclohexane	2.84	2.69
3,3-dimethylP	0.00	0.00
1,1-dimethylCP	0.00	0.00
2-MH	1.41	1.07
2,3-dimethylP	0.00	0.00
3-MH	0.84	0.60
1,c,3-DMCP	0.44	0.36
1,t,3-DMCP	0.29	0.23
1,t,2-DMCP	1.16	0.83
3-ethylP	0.00	0.00
n-heptane(nC7)	0.99	0.66
methylCH	3.35	2.62
1,c,2-DMCP	0.00	0.00
toluene	0.21	0.19
ABUNDANCE(ppm)	113	118
nC7/C7NAPHTHENES	0.19	0.16
total MH/DMCP	1.19	1.17
1,t,2-/1,c,2-DMCP	0.00	0.00
nC6/methylCP	1.28	1.23
C6-C7 FRACTION		
%n-PARAFFINS	17.04	16.49
%iso-PARAFFINS	39.87	39.23
% NAPHTHENES	41.95	42.70
% AROMATICS	1.15	1.59

DMCP dimethylcyclopentane **MH** methylhexane **B** butane **CH** cyclohexane **CP** cyclopentane **H** hexane **P** pentane

TABLE 10a

TCT NORMALISED PERCENTAGES (1)

WELL :7219/9-1

SAMPLE NUMBER	DEPTH	% Cx-C5	% C6-C14	% C15+	% C17	ABUNDANCE ppm
1708-001A	1783.0	8.16	78.39	13.45	0.72	1430
1708-002A	1785.0	5.47	87.44	7.09	0.33	1364
1708-003A	1791.0	10.07	73.58	16.35	1.91	1078
1708-004A	1799.0	8.45	87.76	3.79	0.33	1088
1708-005A	1807.0	14.18	71.87	13.95	1.54	1320
1708-006A	1815.0	5.22	92.62	2.16	0.00	2684
1708-007A	1823.0	3.00	89.46	7.54	0.67	1694
1708-008A	1830.0	8.59	79.62	11.79	1.56	1650
1708-009A	1839.0	3.93	78.20	17.88	0.92	1144
1708-010A	1847.0	10.86	80.09	9.04	0.47	1045
1708-011A	1853.5	32.70	40.51	26.79	1.07	275
1708-012A	1863.0	0.66	78.16	21.18	1.18	4972
1708-013A	1871.0	32.97	60.65	6.38	0.31	2354
1708-014A	1879.0	27.75	56.82	15.43	1.21	660
1708-015A	1887.0	64.91	30.62	4.47	0.39	407
1708-016A	1895.0	12.22	66.84	20.95	0.82	561
1708-017A	1902.0	15.90	79.99	4.11	0.22	2068
1708-018A	1904.0	5.43	82.62	11.95	0.45	924
1708-019A	1906.0	23.41	69.96	6.63	0.44	1925
1708-020A	1908.0	9.00	62.83	28.17	2.08	440
1708-021A	1910.0	7.40	69.26	23.34	1.71	286
1708-022A	1912.0	12.52	76.19	11.30	1.27	352
1708-023A	1916.0	8.48	78.67	12.85	1.18	385
1708-024A	1918.0	9.05	80.47	10.48	0.86	473
1708-025A	1920.0	15.14	70.23	14.63	1.08	429
1708-026A	1922.0	12.10	67.33	20.57	2.37	627

TABLE 10b

TCT NORMALISED PERCENTAGES(2)

WELL :7219/9-1

SAMPLE NUMBER	DEPTH	% Cx-C6	% C7-C14	% C15+	% C17	ABUNDANCE ppm
1708-001A	1783.0	10.87	75.68	13.45	0.72	1430
1708-002A	1785.0	10.32	82.59	7.09	0.33	1364
1708-003A	1791.0	14.17	69.48	16.35	1.91	1078
1708-004A	1799.0	17.24	78.97	3.79	0.33	1088
1708-005A	1807.0	20.19	65.86	13.95	1.54	1320
1708-006A	1815.0	11.94	85.90	2.16	0.00	2684
1708-007A	1823.0	5.22	87.25	7.54	0.67	1694
1708-008A	1830.0	14.59	73.62	11.79	1.56	1650
1708-009A	1839.0	7.51	74.62	17.88	0.92	1144
1708-010A	1847.0	21.22	69.74	9.04	0.47	1045
1708-011A	1853.5	37.27	35.94	26.79	1.07	275
1708-012A	1863.0	2.48	76.34	21.18	1.18	4972
1708-013A	1871.0	36.73	56.89	6.38	0.31	2354
1708-014A	1879.0	39.23	45.34	15.43	1.21	660
1708-015A	1887.0	69.57	25.96	4.47	0.39	407
1708-016A	1895.0	17.01	62.04	20.95	0.82	561
1708-017A	1902.0	35.44	60.46	4.11	0.22	2068
1708-018A	1904.0	16.45	70.14	13.41	0.50	924
1708-019A	1906.0	29.43	63.94	6.63	0.44	1925
1708-020A	1908.0	16.18	55.65	28.17	2.08	440
1708-021A	1910.0	14.30	62.35	23.34	1.71	286
1708-022A	1912.0	19.97	68.73	11.30	1.27	352
1708-023A	1916.0	15.99	71.15	12.85	1.18	385
1708-024A	1918.0	13.07	76.45	10.48	0.86	473
1708-025A	1920.0	23.86	61.51	14.63	1.08	429
1708-026A	1922.0	19.13	60.30	20.57	2.37	627

TABLE 11
CONCENTRATION (PPM) OF EXTRACTED C_{15+} MATERIAL IN ROCK

JOB GEOCHEM SAMPLE NUMBER	LITHO	DEPTH	TOTAL EXTRACT	HYDROCARBONS			NON HYDROCARBONS			
				Saturates	Aromatics	TOTAL	Precipitd. Asphaltenes	Eluted NSO's	Non-eluted NSO's	TOTAL
1708-001A		1783.0	1094	172	34	206	703	183	2	887
1708-002A		1785.0	2608	1033	273	1305	625	662	16	1303
1708-003A		1791.0	773	321	45	367	191	213	2	406
1708-004A		1799.0	525	66	33	98	320	98	8	426
1708-005A		1807.0	6417	1033	283	1317	2833	2250	17	5100
1708-006A		1815.0	10200	3330	770	4100	3300	2790	10	6100
1708-007A		1823.0	1262	157	67	224	786	250	2	1038
1708-008A		1830.0	611	9	4	13	576	20	2	598
1708-009A		1839.0	2166	1012	464	1476	244	442	4	690
1708-010A		1847.0	69	12	5	17	32	19	1	52
1708-011A		1853.5	577	239	73	312	70	194	1	265
1708-012A		1863.0	2121	576	295	871	793	453	3	1250
1708-013A		1871.0	144	15	4	19	91	33	2	126
1708-014A		1879.0	276	65	11	76	141	54	5	200
1708-015A		1887.0	785	84	19	103	533	140	9	682
1708-016A		1895.0	2334	378	190	568	931	832	2	1765
1708-017A		1902.0	3463	1221	653	1874	808	775	6	1589
1708-018A		1904.0	13566	2392	951	3343	3357	6853	14	10224
1708-019A		1906.0	457	39	16	55	260	134	8	402
1708-020A		1908.0	153	61	17	78	31	42	1	74
1708-021A		1910.0	581	216	72	288	136	155	1	292
1708-022A		1912.0	586	185	108	293	153	137	3	293
1708-023A		1916.0	885	281	196	477	202	202	4	408
1708-024A		1918.0	524	158	85	243	129	150	2	281
1708-025A		1920.0	629	214	125	339	112	177	1	290
1708-026A		1922.0	652	211	153	363	122	166	1	288

WELL 7219/9-1

S — shale, SS — sandstone, L — limestone, D — dolomite, M — mixed, see Table 1.

TABLE 12
COMPOSITION (NORMALISED %) OF C_{15+} MATERIAL

JOB	LITHO	DEPTH	HYDROCARBONS		NON HYDROCARBONS		
GEOCHEM SAMPLE NUMBER			Saturates	Aromatics	Preciptd. Asphaltenes	Eluted NSO's	Non eluted NSO's
1708-001A		1783.0	15.71	3.14	64.29	16.71	0.14
1708-002A		1785.0	39.59	10.45	23.96	25.37	0.63
1708-003A		1791.0	41.58	5.87	24.73	27.51	0.31
1708-004A		1799.0	12.50	6.25	60.94	18.75	1.56
1708-005A		1807.0	16.10	4.42	44.16	35.06	0.26
1708-006A		1815.0	32.65	7.55	32.35	27.35	0.10
1708-007A		1823.0	12.45	5.28	62.26	19.81	0.19
1708-008A		1830.0	1.42	0.71	94.31	3.20	0.36
1708-009A		1839.0	46.73	21.41	11.26	20.41	0.19
1708-010A		1847.0	16.67	7.69	46.15	28.21	1.28
1708-011A		1853.5	41.43	12.68	12.14	33.57	0.18
1708-012A		1863.0	27.15	13.90	37.40	21.38	0.16
1708-013A		1871.0	10.26	2.56	62.82	23.08	1.28
1708-014A		1879.0	23.53	3.92	50.98	19.61	1.96
1708-015A		1887.0	10.71	2.38	67.86	17.86	1.19
1708-016A		1895.0	16.22	8.13	39.90	35.65	0.10
1708-017A		1902.0	35.27	18.85	23.32	22.38	0.18
1708-018A		1904.0	17.63	7.01	24.74	50.52	0.10
1708-019A		1906.0	8.62	3.45	56.90	29.31	1.72
1708-020A		1908.0	40.13	11.18	20.39	27.63	0.66
1708-021A		1910.0	37.15	12.47	23.41	26.72	0.25
1708-022A		1912.0	31.62	18.37	26.06	23.39	0.57
1708-023A		1916.0	31.76	22.15	22.86	22.78	0.44
1708-024A		1918.0	30.12	16.24	24.70	28.60	0.34
1708-025A		1920.0	34.00	19.90	17.74	28.19	0.17
1708-026A		1922.0	32.31	23.43	18.68	25.42	0.15

WELL 7219/9-1

S – shale, SS – sandstone, L – limestone, D – dolomite, M – mixed, see Table 1.

TABLE 13
SIGNIFICANT RATIOS (%) OF C_{15+} FRACTIONS AND ORGANIC CARBON

JOB / GEOCHEM SAMPLE NUMBER	LITHO	DEPTH	ORGANIC CARBON (wt. %)	HYDROCARBONS / TOTAL EXTRACT	HYDROCARBONS / ORG. CARBON	TOTAL EXTRACT / ORG. CARBON	SATURATES / AROMATICS
1708-001A		1783.0	1.04	18.86	1.98	10.52	5.00
1708-002A		1785.0	1.31	50.04	9.96	19.91	3.79
1708-003A		1791.0	1.13	47.45	3.25	6.84	7.08
1708-004A		1799.0	0.97	18.75	1.01	5.41	2.00
1708-005A		1807.0	1.20	20.52	10.97	53.47	3.65
1708-006A		1815.0	1.51	40.20	27.15	67.55	4.32
1708-007A		1823.0	1.60	17.74	1.40	7.89	2.36
1708-008A		1830.0	1.31	2.14	0.10	4.66	2.00
1708-009A		1839.0	2.05	68.14	7.20	10.56	2.18
1708-010A		1847.0	2.24	24.36	0.08	0.31	2.17
1708-011A		1853.5	0.60	54.11	5.21	9.62	3.27
1708-012A		1863.0	1.21	41.06	7.20	17.53	1.95
1708-013A		1871.0	0.38	12.82	0.49	3.80	4.00
1708-014A		1879.0	0.28	27.45	2.70	9.85	6.00
1708-015A		1887.0	0.43	13.10	2.39	18.26	4.50
1708-016A		1895.0	1.10	24.35	5.17	21.22	1.99
1708-017A		1902.0	4.31	54.12	4.35	8.03	1.87
1708-018A		1904.0	3.37	24.64	9.92	40.26	2.51
1708-019A		1906.0	1.10	12.07	0.50	4.15	2.50
1708-020A		1908.0	0.96	51.32	0.82	1.59	3.59
1708-021A		1910.0	0.87	49.62	3.31	6.67	2.98
1708-022A		1912.0	0.84	49.99	3.48	6.97	1.72
1708-023A		1916.0	1.34	53.91	3.56	6.60	1.43
1708-024A		1918.0	0.89	46.36	2.73	5.89	1.85
1708-025A		1920.0	0.75	53.90	4.52	8.38	1.71
1708-026A		1922.0	0.90	55.74	4.04	7.24	1.38

WELL 7219/9-1

S – shale, SS – sandstone, L – limestone, D – dolomite, M – mixed, see Table 1.

TABLE 14

COMPOSITION (NORMALISED %) OF C_{15+} SATURATE (PARAFFIN – NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	001A	002A	003A	004A	005A
DEPTH	1783.0	1785.0	1791.0	1799.0	1807.0
SAMPLE TYPE	SWC	SWC	SWC	SWC	SWC
nC15	14.99	5.80	3.27	0.59	2.48
nC16	15.88	7.39	8.62	0.50	4.06
nC17	14.22	8.77	12.88	1.76	6.32
nC18	11.25	9.94	13.37	5.04	6.77
nC19	8.27	9.39	12.68	7.14	8.28
nC20	6.39	8.91	11.39	8.40	9.33
nC21	4.63	9.60	8.62	9.24	10.46
nC22	3.42	8.08	7.73	7.65	7.83
nC23	3.86	7.04	5.75	6.97	8.28
nC24	2.76	5.87	3.96	6.30	7.15
nC25	2.32	4.49	3.07	6.81	6.32
nC26	1.87	3.38	2.28	6.13	4.51
nC27	1.32	2.76	1.88	6.81	4.21
nC28	1.76	2.07	1.29	6.39	3.24
nC29	1.32	1.80	1.19	6.13	2.71
nC30	0.77	1.45	0.69	3.87	2.26
nC31	1.21	1.24	0.59	3.87	1.88
nC32	0.66	0.97	0.30	2.52	1.28
nC33	1.10	0.55	0.20	1.76	1.20
nC34	1.43	0.35	0.15	1.26	0.75
nC35	0.55	0.14	0.10	0.84	0.68
Paraffin	63.74	61.67	49.42	36.15	58.11
Isoprenoid	10.96	5.11	7.49	1.88	3.41
Naphthene	25.30	33.22	43.08	61.97	38.48
CPI 1 Index	1.04	1.07	1.01	1.09	1.15
CPI 2 Index	1.04	1.06	1.15	1.14	1.11
CPI 3 Index	0.73	1.01	1.06	1.09	1.09
Prist/Phytane	1.60	1.86	1.73	1.14	1.69
Prist/nC17	0.74	0.61	0.75	1.57	0.58
Phytane/nC18	0.59	0.29	0.41	0.48	0.32

$$C.P.I.\ 1 = \frac{1}{2}\left(\frac{C21+C23+C25+C27}{C20+C22+C24+C26} + \frac{C21+C23+C25+C27}{C22+C24+C26+C28}\right)$$

$$C.P.I.\ 2 = \frac{1}{2}\left(\frac{C25+C27+C29+C31}{C24+C26+C28+C30} + \frac{C25+C27+C29+C31}{C26+C28+C30+C32}\right)$$

$$C.P.I.\ 3 = \frac{2x\ (C27)}{C26+C28}$$

Job Number : 1708

CT – ditch cuttings CO– core SWC – sidewall core

TABLE 14

COMPOSITION (NORMALISED %) OF C_{15+} SATURATE (PARAFFIN – NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	006A	007A	008A	009A	010A
DEPTH	1815.0	1823.0	1830.0	1839.0	1847.0
SAMPLE TYPE	SWC	SWC	SWC	SWC	SWC
nC15	10.79	0.87	0.18	6.23	0.05
nC16	12.28	1.67	0.27	10.33	0.10
nC17	13.30	3.48	1.09	10.33	0.96
nC18	12.74	5.51	2.44	10.05	4.42
nC19	11.63	9.28	4.52	7.72	7.87
nC20	9.40	9.71	5.88	8.09	11.23
nC21	7.07	8.48	9.67	6.79	11.81
nC22	5.49	7.97	11.12	6.79	9.89
nC23	4.28	8.26	11.93	6.14	9.60
nC24	2.88	6.59	9.67	4.65	7.78
nC25	2.33	6.23	8.05	5.40	7.49
nC26	1.40	5.36	6.15	3.81	5.57
nC27	1.40	6.09	5.88	4.47	5.66
nC28	0.93	4.71	4.70	2.42	4.22
nC29	0.93	4.71	5.61	2.98	4.99
nC30	0.65	2.97	3.26	1.40	2.59
nC31	0.65	3.04	4.52	1.30	2.88
nC32	0.47	1.38	1.99	0.47	0.96
nC33	0.47	1.67	1.63	0.37	0.96
nC34	0.37	1.09	0.90	0.19	0.48
nC35	0.56	0.94	0.54	0.09	0.48
Paraffin	58.58	52.21	52.07	59.39	45.97
Isoprenoid	7.63	2.38	0.85	11.88	1.06
Naphthene	33.79	45.40	47.08	28.73	52.97
CPI 1 Index	1.10	1.08	1.10	1.13	1.13
CPI 2 Index	1.22	1.21	1.25	1.45	1.31
CPI 3 Index	1.20	1.21	1.08	1.43	1.16
Prist/Phytane	1.80	0.91	0.80	1.99	0.50
Prist/nC17	0.63	0.63	0.67	1.29	0.80
Phytane/nC18	0.37	0.43	0.37	0.67	0.35

$$C.P.I.\ 1 = \frac{1}{2}\left(\frac{C21+C23+C25+C27}{C20+C22+C24+C26} + \frac{C21+C23+C25+C27}{C22+C24+C26+C28}\right)$$

$$C.P.I.\ 2 = \frac{1}{2}\left(\frac{C25+C27+C29+C31}{C24+C26+C28+C30} + \frac{C25+C27+C29+C31}{C26+C28+C30+C32}\right)$$

$$C.P.I.\ 3 = \frac{2x\ (C27)}{C26+C28}$$

Job Number : 1708

CT – ditch cuttings CO– core SWC – sidewall core

TABLE 14

COMPOSITION (NORMALISED %) OF C_{15+} SATURATE (PARAFFIN – NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	011A	012A	013A	014A	015A
DEPTH	1853.5	1863.0	1871.0	1879.0	1887.0
SAMPLE TYPE	SWC	SWC	SWC	SWC	SWC
nC15	7.02	0.38	1.67	16.77	4.97
nC16	10.29	2.08	1.92	9.51	7.31
nC17	12.82	6.53	2.92	8.01	9.28
nC18	11.32	9.47	2.76	8.51	9.06
nC19	11.88	9.65	3.59	6.76	7.82
nC20	10.38	9.28	5.01	8.89	7.31
nC21	9.64	9.37	5.85	7.51	5.99
nC22	6.83	9.65	6.68	6.76	5.92
nC23	5.43	8.99	8.52	5.51	5.70
nC24	3.27	7.19	8.35	4.63	4.82
nC25	2.90	6.44	9.94	4.26	4.82
nC26	1.78	4.45	7.85	2.38	4.24
nC27	1.59	4.35	8.02	2.00	4.46
nC28	1.22	2.93	6.43	2.00	3.65
nC29	1.50	3.31	6.68	2.38	4.61
nC30	0.65	1.61	4.18	0.88	2.70
nC31	0.65	2.18	4.01	1.25	2.34
nC32	0.28	0.66	2.01	0.63	1.54
nC33	0.28	0.76	1.67	0.63	1.32
nC34	0.19	0.33	1.09	0.50	1.02
nC35	0.09	0.38	0.84	0.25	1.10
Paraffin	46.44	25.72	40.99	38.81	59.79
Isoprenoid	6.65	1.73	1.47	2.91	4.90
Naphthene	46.92	72.55	57.53	58.28	35.31
CPI 1 Index	1.19	1.08	1.13	1.04	1.03
CPI 2 Index	1.33	1.35	1.23	1.34	1.19
CPI 3 Index	1.06	1.18	1.12	0.91	1.13
Prist/Phytane	1.35	1.03	1.39	1.31	1.55
Prist/nC17	0.64	0.52	0.71	0.53	0.54
Phytane/nC18	0.54	0.35	0.55	0.38	0.35

$$\text{C.P.I. } 1 = \frac{1}{2}\left(\frac{C21+C23+C25+C27}{C20+C22+C24+C26} + \frac{C21+C23+C25+C27}{C22+C24+C26+C28}\right)$$

$$\text{C.P.I. } 2 = \frac{1}{2}\left(\frac{C25+C27+C29+C31}{C24+C26+C28+C30} + \frac{C25+C27+C29+C31}{C26+C28+C30+C32}\right)$$

$$\text{C.P.I. } 3 = \frac{2x\ (C27)}{C26+C28}$$

Job Number : 1708

CT – ditch cuttings CO– core SWC – sidewall core

TABLE 14

COMPOSITION (NORMALISED %) OF C_{15+} SATURATE (PARAFFIN – NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	016A	017A	018A	019A	020A
DEPTH	1895.0	1902.0	1904.0	1906.0	1908.0
SAMPLE TYPE	SWC	SWC	SWC	SWC	SWC
nC15	12.47	13.81	10.29	1.76	5.82
nC16	13.89	11.72	9.47	4.02	9.94
nC17	14.60	10.88	9.67	7.40	10.88
nC18	10.34	9.31	8.16	7.12	12.20
nC19	8.92	8.68	7.20	5.92	12.48
nC20	7.61	6.49	6.45	5.64	8.91
nC21	5.58	6.17	5.97	6.77	8.54
nC22	4.87	4.71	5.21	7.48	6.66
nC23	4.56	5.33	5.08	7.05	5.16
nC24	3.35	4.08	4.94	6.63	4.22
nC25	3.55	3.87	4.46	7.48	3.75
nC26	2.03	2.72	4.05	5.36	2.72
nC27	2.23	3.35	3.84	6.28	2.63
nC28	1.52	2.20	2.95	5.08	1.59
nC29	1.83	2.30	3.57	5.29	1.78
nC30	0.91	1.26	1.99	3.17	0.84
nC31	1.12	1.05	2.13	3.67	0.94
nC32	0.41	0.52	1.85	1.27	0.28
nC33	0.20	0.63	1.03	1.41	0.38
nC34	0.00	0.42	0.75	0.71	0.19
nC35	0.00	0.52	0.96	0.49	0.09
Paraffin	54.60	47.14	29.74	36.25	43.23
Isoprenoid	7.75	9.47	2.96	2.40	6.49
Naphthene	37.65	43.39	67.31	61.35	50.28
CPI 1 Index	1.12	1.20	1.03	1.11	1.11
CPI 2 Index	1.45	1.30	1.15	1.32	1.32
CPI 3 Index	1.26	1.36	1.10	1.20	1.22
Prist/Phytane	1.98	2.69	1.30	1.41	1.46
Prist/nC17	0.65	1.35	0.58	0.52	0.82
Phytane/nC18	0.46	0.58	0.53	0.39	0.50

$$C.P.I.\ 1 = \frac{1}{2}\left(\frac{C21+C23+C25+C27}{C20+C22+C24+C26} + \frac{C21+C23+C25+C27}{C22+C24+C26+C28}\right)$$

$$C.P.I.\ 2 = \frac{1}{2}\left(\frac{C25+C27+C29+C31}{C24+C26+C28+C30} + \frac{C25+C27+C29+C31}{C26+C28+C30+C32}\right)$$

$$C.P.I.\ 3 = \frac{2\times (C27)}{C26+C28}$$

Job Number : 1708

CT – ditch cuttings CO– core SWC – sidewall core

TABLE 14

COMPOSITION (NORMALISED %) OF C_{15+} SATURATE (PARAFFIN – NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	021A	022A	023A	024A	025A
DEPTH	1910.0	1912.0	1916.0	1918.0	1920.0
SAMPLE TYPE	SWC	SWC	SWC	SWC	SWC
nC15	8.21	6.01	4.52	3.97	2.97
nC16	7.77	8.80	7.16	5.50	4.81
nC17	8.98	9.40	8.74	5.19	7.02
nC18	7.13	10.38	9.05	6.88	9.00
nC19	7.51	9.55	10.48	8.25	10.45
nC20	8.34	7.97	8.90	9.47	10.30
nC21	7.77	7.07	7.46	10.47	8.92
nC22	6.68	6.77	7.09	9.55	8.24
nC23	6.56	6.84	7.16	8.40	7.86
nC24	5.16	4.59	5.28	6.57	5.57
nC25	5.22	5.04	5.58	6.57	5.42
nC26	4.14	3.53	3.62	4.35	3.97
nC27	4.52	3.68	4.37	4.51	3.74
nC28	3.12	2.78	3.17	2.98	3.13
nC29	3.31	3.08	3.24	3.13	2.75
nC30	1.97	1.50	1.66	1.30	1.60
nC31	2.16	1.50	1.51	1.38	1.53
nC32	1.08	0.53	0.45	0.46	0.53
nC33	0.19	0.60	0.38	0.53	0.76
nC34	0.13	0.23	0.15	0.31	0.69
nC35	0.06	0.15	0.04	0.23	0.76
Paraffin	53.99	53.07	53.26	52.82	51.11
Isoprenoid	5.46	6.23	6.59	4.40	3.66
Naphthene	40.55	40.70	40.15	42.78	45.22
CPI 1 Index	1.12	1.14	1.14	1.14	1.08
CPI 2 Index	1.27	1.33	1.36	1.37	1.20
CPI 3 Index	1.25	1.17	1.29	1.23	1.05
Prist/Phytane	2.46	1.89	2.42	1.79	1.35
Prist/nC17	0.80	0.82	1.00	1.03	0.59
Phytane/nC18	0.41	0.39	0.40	0.43	0.34

$$C.P.I.\ 1 = \frac{1}{2}\left(\frac{C21+C23+C25+C27}{C20+C22+C24+C26} + \frac{C21+C23+C25+C27}{C22+C24+C26+C28}\right)$$

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$$C.P.I.\ 2 = \frac{1}{2}\left(\frac{C25+C27+C29+C31}{C24+C26+C28+C30} + \frac{C25+C27+C29+C31}{C26+C28+C30+C32}\right)$$

$$C.P.I.\ 3 = \frac{2x\ (C27)}{C26+C28}$$

CT – ditch cuttings **CO**– core **SWC** – sidewall core

TABLE 14

COMPOSITION (NORMALISED %) OF C_{15+} SATURATE (PARAFFIN – NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	026A
DEPTH	1922.0
SAMPLE TYPE	SWC
nC15	9.25
nC16	12.03
nC17	11.27
nC18	10.18
nC19	9.50
nC20	8.83
nC21	8.24
nC22	5.89
nC23	5.80
nC24	4.29
nC25	3.62
nC26	2.69
nC27	2.52
nC28	1.60
nC29	1.43
nC30	1.01
nC31	1.01
nC32	0.34
nC33	0.25
nC34	0.17
nC35	0.08
Paraffin	54.92
Isoprenoid	6.28
Naphthene	38.80
CPI 1 Index	1.16
CPI 2 Index	1.21
CPI 3 Index	1.18
Prist/Phytane	1.78
Prist/nC17	0.65
Phytane/nC18	0.41

$$\text{C.P.I. } 1 = \frac{1}{2}\left(\frac{C21+C23+C25+C27}{C20+C22+C24+C26} + \frac{C21+C23+C25+C27}{C22+C24+C26+C28}\right)$$

$$\text{C.P.I. } 2 = \frac{1}{2}\left(\frac{C25+C27+C29+C31}{C24+C26+C28+C30} + \frac{C25+C27+C29+C31}{C26+C28+C30+C32}\right)$$

$$\text{C.P.I. } 3 = \frac{2x\ (C27)}{C26+C28}$$

Job Number : 1708

CT – ditch cuttings **CO**– core **SWC** – sidewall core

TABLE 15
METHYLPHENANTHRENE INDICES (MPI)

GEOCHEM SAMPLE NUMBER	DEPTH	SAMPLE TYPE	MPI 1		MPI 2	
			AREA	HEIGHT	AREA	HEIGHT
1708-001A	1783.0	SWC	UNRELIABLE		UNRELIABLE	
1708-002A	1785.0	SWC	1.23	1.13	1.64	1.31
1708-003A	1791.0	SWC	0.66	0.62	0.82	0.66
1708-004A	1799.0	SWC	1.60	1.04	0.58	0.92
1708-005A	1807.0	SWC	1.18	1.23	1.70	1.64
1708-006A	1815.0	SWC	0.32	0.38	0.38	0.30
1708-007A	1823.0	SWC	0.67	0.71	0.76	0.86
1708-008A	1830.0	SWC	0.58	0.69	0.67	0.75
1708-009A	1839.0	SWC	0.66	0.69	0.54	0.82
1708-010A	1847.0	SWC	0.87	0.93	1.00	1.10
1708-011A	1853.5	SWC	0.43	0.53	0.58	0.72
1708-012A	1863.0	SWC	0.63	0.57	0.85	0.64
1708-013A	1871.0	SWC	0.53	0.51	0.62	0.51
1708-014A	1879.0	SWC	0.80	0.87	0.98	0.95
1708-015A	1887.0	SWC	0.83	0.93	0.82	0.91
1708-016A	1895.0	SWC	0.63	0.63	0.62	0.58
1708-017A	1902.0	SWC	1.17	0.64	1.46	0.78
1708-018A	1904.0	SWC	0.47	0.47	0.47	0.56
1708-019A	1906.0	SWC	0.61	0.71	0.59	0.63
1708-020A	1908.0	SWC	0.79	0.89	0.99	0.92
1708-021A	1910.0	SWC	0.38	0.39	0.42	0.43
1708-022A	1912.0	SWC	0.83	0.95	0.92	0.95
1708-023A	1916.0	SWC	0.68	0.75	0.73	0.76
1708-024A	1918.0	SWC	0.68	0.73	0.77	0.75
1708-025A	1920.0	SWC	0.70	0.72	0.81	0.82
1708-026A	1922.0	SWC	0.64	0.67	0.76	0.70

$$\text{MPI 1} = \frac{1.5\,(2\text{-MP} + 3\text{-MP})}{\text{P} + 1\text{-MP} + 9\text{-MP}} \qquad \text{MPI 2} = \frac{3\,(2\text{-MP})}{\text{P} + 1\text{-MP} + 9\text{-MP}}$$

CT – ditch cuttings **CO** – core **SWC** – sidewall core

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TABLE 16
CARBON ISOTOPE COMPOSITIONS (‰, PDB)

GEOCHEM SAMPLE NUMBER	DEPTH	TOTAL EXTRACT WHOLE OIL	SATURATES	AROMATICS	NSO	ASPHALTENES	KEROGEN	PYROLYSATE S2
1708-001A	1783.0m	-29.27	N.D.	N.D.	N.D.	-28.06		
1708-002A	1785.0m	-28.92	-29.57*	N.D.	N.D.	-28.19		
1708-003A	1791.0m	-28.80	-29.30	N.D.	-28.52	-26.93		
1708-004A	1799.0m	-28.61	N.D.	N.D.	N.D.	-27.93		
1708-005A	1807.0m	-28.76	N.D.	N.D.	N.D.	-28.48		
1708-006A	1815.0m	-28.35	-26.95*	N.D.	N.D.	-27.81		
1708-007A	1823.0m	-29.02	N.D.	N.D.	N.D.	-28.06		
1708-008A	1830.0m	-28.63*	N.D.	N.D.	N.D.	-27.94		
1708-009A	1839.0m	-29.20	-30.36	N.D.	-28.30	-27.76		
1708-010A	1847.0m	-28.41	N.D.	N.D.	-28.27	-27.70		
1708-011A	1853.5m	-28.61	-29.11*	-28.23	-28.41	-28.22		
1708-012A	1863.0m	-29.33	N.D.	-28.67*	-30.14	-28.86		
1708-013A	1871.0m	-29.02*	N.D.	N.D.	N.D.	-28.13		
1708-014A	1879.0m	-28.70	N.D.	N.D.	N.D.	-28.03		
1708-015A	1887.0m	-28.67	N.D.	N.D.	N.D.	-27.79	-27.27	-27.93
1708-016A	1895.0m	-28.50	-28.87*	-29.53*	-34.79	-27.95	-26.87	-30.49
1708-017A	1902.0m	-29.12	-29.89	-29.28	-29.10	-27.89	-28.19	-30.19
1708-018A	1904.0m	-27.96	N.D.	N.D.	-28.91	-27.79	-24.43	-26.09
1708-019A	1906.0m	-28.54	-27.98*	N.D.	N.D.	-27.70	-26.07*	-27.23
1708-020A	1908.0m	-28.46	-29.10*	-28.26	N.D.	-27.58	-25.97*	-26.82
1708-021A	1910.0m	-27.83	-28.72	-27.70	-27.65	-26.23	-26.38	-29.49
1708-022A	1912.0m	-27.03	-28.41	-26.79	-27.18	-25.96	-26.21	-29.17
1708-023A	1916.0m	-27.43	-28.18	-27.15	-27.50	-26.41	-26.80	-26.63

NBS 22 STANDARD	

TABLE 16
CARBON ISOTOPE COMPOSITIONS (^{0}/oo, PDB)

GEOCHEM SAMPLE NUMBER	DEPTH	TOTAL EXTRACT WHOLE OIL	SATURATES	AROMATICS	NSO	ASPHALTENES	KEROGEN	PYROLYSATE S2
1708-024A	1918.0m	-27.20	-28.15	-27.01	-27.22	-26.58	-25.94	-27.85
1708-025A	1920.0m	-27.53	-28.74	-27.37	-27.01	-26.36	-26.04	-27.94
1708-026A	1922.0m	-27.45	-28.92	-27.02	-27.20	-25.81	-25.49	-26.27

* small sample, treat data with caution

N.D. - analysis attempted, no determination possible