

L-559

3/

# THE GEOCHEM GROUP

Geochem Laboratories Limited Terrasciences-Geochem Limited  
Poroperm-Geochem Limited

BA-88-790-1

- 2 JUNI 1988

**REGISTRERT**

**OLJEDIREKTORATET**

*Prepared  
for  
NORSK HYDRO*

**RESERVOIR GEOCHEMICAL DATA,  
WELL 7122/6-1 (TOTAL)**

*January 1988*

**Petroleum Geochemistry Division**

**CHESTER STREET, CHESTER CH4 8RD ENGLAND**  
phone (0244) 671121 telex 61297 fax (0244) 673306

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 7122/6-1

1675-001	2019.25m	A 98% Sandstone, v. fine to fine grained, subang., fairly well sorted, pale yellow F, weak milky C, very pale orange	10YR8/2	
1675-002	2020.50m	A 98% Sandstone, fine grained, subang., fairly well sorted, sl. argillaceous, pale yellow F, weak milky C, very pale orange	10YR8/2	
1675-003	2021.00m	A 98% Sandstone, v. fine to fine grained, subang., sl. argill. matrix, pale yellow F, weak milky C, very pale orange	10YR8/2	
1675-004	2022.00m	A 98% Sandstone, v. fine grained, subang., well sorted, sl. argillaceous matrix, pale yellow F, weak milky C, very light grey to very pale orange	N8-10YR/2	
1675-005	2023.00m	A 98% Sandstone, v. fine grained, subang., well sorted, pale yellow F, weak milky C, occ. poorly developed argillaceous laminae, very pale orange	10YR8/2	
1675-006	2024.00m	A 98% Sandstone, as 1675-005A pale yellow F, weak milky C	10YR8/2	
1675-007	2025.00m	A 98% Sandstone, as 1675-005A pale yellow F, weak milky C	10YR8/2	
1675-008	2026.00m	A 98% Sandstone, v. fine grained, subang., well sorted, pale yellow F, weak milky C with occ. poorly developed argillaceous laminae, very pale orange	10YR8/2	
1675-009	2027.00m	A 98% Sandstone, as 1675-008A pale yellow F, milky C	10YR8/2	
1675-010	2028.00m	A 98% Conglomeratic sandstone, gravel size particles in a matrix of v. coarse sandstone, subang., rare poorly developed argillaceous laminae, dull yellow F, weak milky C, very pale orange	10YR8/2	
1675-011	2029.00m	A 98% Conglomeratic sandstone, 1675-010A, pale yellow F, milky C	10YR8/2	
1675-012	2030.00m	A 98% Conglomerate, gravel sized, unsorted clasts in a sandstone matrix, grain supported in part, subang. to subrounded, dull yellow F, weak milky C, very pale orange	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)
1675-013	2031.00m	A 98% Conglomeratic sandstone, occ. gravel sized clasts in a matrix of med. to coarse grained sandstone, subang., pale yellow F, milky C, very pale orange	10YR8/2	
1675-014	2032.00m	A 98% Conglomeratic sandstone, unsorted gravel sized clasts in a v. coarse grained, sandstone, matrix, subang., pale yellow F, milky C, very pale orange	10YR8/2	
1675-015	2033.00m	A 98% Conglomeratic sandstone, unsorted gravel sized debris in a med. to coarse grained sandstone matrix, subang., pale yellow F, milky C, very pale orange	10YR8/2	
1675-016	2034.00m	A 98% Conglomeratic sandstone, unsorted, gravel sized clasts in a med. to coarse grained sandstone matrix, subang. with several poorly developed argillaceous laminae, pale yellow F, milky C, very pale orange	10YR8/2	
1675-017	2035.00m	A 98% Sandstone, fine to v. coarse grained, with occ. gravel sized clasts, subang., poorly sorted, pale yellow F, milky C, very pale orange	10YR8/2	
1675-018	2036.00m	A 98% Conglomeratic sandstone, frequent gravel sized clasts in a med. to v. coarse grained sandstone matrix, subang., pale yellow F, milky C	10YR8/2	
1675-019	2037.00m	A 98% Sandstone, med. to v. coarse grained, subang., poorly sorted, pale yellow F, milky C, very pale orange	10YR8/2	
1675-020	2037.50m	A 98% Sandstone, fine grained, subang., fairly well sorted, pale yellow F, milky C, very pale orange	10YR8/2	
1675-021	2038.00m	A 65% Sandstone, v. fine to med. grained, subang., mod. sorted, pale yellow F, milky C, very pale orange	10YR8/2	
		C 35% Silty sandstone, occurring as indistinct bands in the sandstone, carbonaceous, micaceous, dusky yellowish brown	10YR2/2	6.27

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)
1675-022	2039.00m	A 98% Sandstone, fine to v. coarse grained, subang., poorly sorted, pale yellow F, milky C, very pale orange	10YR8/2	
1675-023	2040.50m	A 98% Sandstone, v. fine to fine grained, subang., fairly well sorted, pale yellow F, weak milky C, very pale orange	10YR8/2	
1675-024	2041.75m	A 98% Sandstone, v. fine to fine grained, subang., fairly well sorted, sl. micaceous with carb. rootlets(?) very pale orange (greyish black)	10YR8/2 (N2)	
1675-025	2043.50m	A 98% Sandstone, v. fine to fine grained, subang., fairly well sorted, v. sl. micaceous, rare argillaceous/micaceous laminae. pale yellow F, milky C, very light grey to very pale orange	N8-10YR8/2	
1675-026	2044.75m	A 98% Sandstone, as 1675-025A pale yellow F, milky C	N8-10YR8/2	
1675-027	2045.50m	A 98% Sandstone, fine to med. grained, subang., mod. sorted, sl. micaceous, rare poorly developed argill laminae, pale yellow F, milky C, very pale orange	10YR8/2	
1675-028	2046.50m	A 98% Sandstone, grading from v. coarse to med. grained, subang., mod. sorted, with occ. poorly developed micaceous/carbonaceous laminae, dull yellow F, milky C, very pale orange to pale orange	10YR8/2- 10YR7/2	
1675-029	2048.00m	A 98% Sandstone, v. fine to fine grained, subang., fairly well sorted, ext. rare carb. flecks, yellow F, blooming milky C, very pale orange	10YR8/2	
1675-030	2049.00m	A 98% Shale, frequent coaly fragments, fissile, mod. hard, non-calc., medium yellowish brown	10YR5/2	0.81
1675-031	2051.00m	A 98% Sandstone, v. fine to fine grained, subang. to subrounded, well sorted, pale yellow F, milky C, very pale orange	10YR8/2	
1675-032	2053.00m	A 98% Sandstone, v. fine grained, subang. to subrounded, well sorted, milky C, medium yellowish brown	10YR7/2	
1675-033	2054.00m	A 98% Sandstone, as 1675-032A weak milky C	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)
1675-034	2055.50m	A 98% Sandstone, v. fine grained, subang. to subrounded, fairly well sorted, frequent rootlets, and occ. poorly developed argillaceous laminae, weak milky C, very pale orange to pale orange	10YR8/2- 10YR7/2	
1675-035	2056.50m	A 98% Sandstone, v. fine grained, subang. to subround, fairly well sorted, common carb. fragments, occ. coaly lenses, occ. mod. developed argillaceous laminae, milky C, very pale orange	10YR8/2	
1675-036	2057.50m	A 98% Sandstone, v. fine to fine grained, subang. to subrounded, fairly well sorted, frequent coaly lenses, sl. micaceous, dull yellow F, milky C, very pale orange	10YR8/2	
1675-037	2058.50m	A 98% Sandstone, v. fine grained, subang. to subrounded, fairly well sorted, rare mod. developed argillaceous laminae, rare carb., (rootlet?) traces, very pale orange	10YR8/2	
1675-038	2059.50m	A 98% Siltstone, grading to v. fine grained sandstone, bedded with argillaceous, laminae, mod. hard, non-calc., Slow milky C, very pale orange	10YR8/2	
1675-039	2060.50m	A 98% Sandstone, v. fine grained, subang. to subrounded, well sorted, sl. micaceous, weak milky C, very pale orange	10YR8/2	
1675-040	2060.75m	A 98% Sandstone, v. fine grained, subang. to subrounded, fairly well sorted, sl. argillaceous matrix, sl. micaceous, slow milky C, dark yellowish brown	10YR4/2	
1675-041	2061.65m	A 98% Mudstone, subplaty, mod. hard, non-calc., frequent coaly lenses, moderate yellowish brown	10YR3/7	1.52
1675-042	2062.25m	A 98% Sandstone, v. fine to med. grained, subang. to subrounded, mod. sorted, rare argillaceous laminae, yellow F, milky C, very pale orange	10YR8/2	
1675-043	2063.65m	A 98% Sandstone, as 1675-042A yellow F, milky C	10YR8/2	
1675-044	2065.00m	A 98% Sandstone, coarse to v. coarse grained, subang. to subrounded, mod. sorted, yellow F, milky C, pale orange	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)
1675-045	2066.00m	A 98% Sandstone, as 1675-044A yellow F, milky C	10YR7/2	
1675-046	2067.00m	A 98% Sandstone, med. to coarse grained, subang. to subrounded, mod. sorted, with micaceous, (sl. carbonaceous) laminae, dull yellow F, slow milky C, very pale orange	10YR8/2	
1675-047	2068.00m	A 98% Sandstone, med. to coarse grained, subang. to subrounded, mod. to fairly well sorted, sl. micaceous, dull yellow F, milky C, very pale orange	10YR8/2	
1675-048	2070.70m	A 98% Mudstone, subplaty, mod. hard, non-calc., silty, sl. micaceous, moderate yellowish brown	10YR3/2	1.25
1675-049	2071.50m	A 98% Siltstone, subplaty, mod. hard, non-calc., rare carb. flecks, sl. micaceous, dark yellowish brown	10YR4/2	
1675-050	2073.10m	A 98% Mudstone, subplaty, mod. hard, non-calc., sl. silty, sl. micaceous, moderate yellowish brown	10YR3/2	0.36, 0.39
1675-051	2075.50m	A 98% Sandstone, siliceous in part, v. fine to fine grained, subang. to subrounded, mod. sorted, very light grey	N8	
1675-052	2077.50m	A 98% Sandstone, v. fine to fine grained, subang. to subround, mod. sorted, very light grey	N8	
1675-053	2079.00m	A 98% Sandstone, v. fine to med. grained, subang. to subrounded, mod. to fairly well sorted, rare carb. flecks, sl. micaceous, dull yellow F, milky C, very light grey	N8	
1675-054	2081.50m	A 98% Sandstone, med. to coarse grained, subang. to subrounded, mod. sorted, dull yellow F, milky C, very light grey	N8	
1675-055	2082.00m	A 98% Sandstone, coarse grained, subang. to subrounded, mod. sorted with occ. poorly developed, micaceous/ carbonaceous laminae, yellow F, milky C, very light grey	N8	
1675-056	2083.40m	A 98% Shaly mudstone, carbonaceous, platy to subplaty, mod. hard, non-calc., dark grey	N3	6.62

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)
1675-057	2085.70m	A 98% Shaly mudstone, subplaty, mod. hard, non-calc., dark grey	N3	0.74
1675-058	2089.00m	A 98% Siltstone, poorly developed bedding, mod. hard, non-calc., very light grey	N8	
1675-059	2090.50m	A 98% Shaly mudstone, subplaty, mod. hard, non-calc., dark grey	N3	0.08
1675-060	2091.50m	A 98% Sandstone, fine grained, subang. to subrounded, well sorted, v. sl. micaceous, well sorted, white	N9	
1675-061	2092.50m	A 98% Sandstone, fine grained, subang. to subrounded, well sorted, well cemented, with thin micaceous laminae, white	N9	
1675-062	2097.70m	A 98% Shaly mudstone, subfissile to platy, mod. hard, non-calc., dark grey	N3	1.07

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

TABLE 2a

## STANDARD PYROLYSIS DATA , 300°C

GEOCHEM		ORGANIC CARBON	S0 (mg/g)	S1 (mg/g)	S2 (mg/g)	PRODUCTION INDEX	HYDROGEN INDEX	Tmax (°C)
SAMPLE NUMBER	DEPTH							
1675-021B	2038.00	6.27	0.11	5.20	28.43	0.15	453.4	433
1675-030A	2049.00	0.81	0.02	0.23	0.60	0.28	74.1	433
1675-041A	2061.65	1.52	0.03	0.33	0.91	0.27	59.9	435
1675-048A	2070.70	1.25	0.02	0.84	1.63	0.34	130.4	435
1675-050A	2073.10	0.38	0.02	0.23	0.10	0.70	26.3	435
1675-056A	2083.40	6.62	0.05	1.65	7.82	0.17	118.1	436
1675-057A	2085.70	0.74	0.02	0.09	0.15	0.38	20.3	438
1675-059A	2090.50	0.08	0.03	0.03	0.01	0.75	12.5	438
1675-062A	2097.70	1.07	0.08	0.14	0.16	0.47	15.0	438



TABLE 2b

## STANDARD PYROLYSIS DATA, 340°C

GEOCHEM		ORGANIC CARBON	S0 (mg/g)	S1 (mg/g)	S2 (mg/g)	PRODUCTION INDEX	HYDROGEN INDEX	Tmax (°C)
SAMPLE NUMBER	DEPTH							
1675-021B	2038.00	6.27	0.04	7.57	39.90	0.16	636.4	433
1675-030A	2049.00	0.81	0.01	0.30	1.11	0.21	137.0	437
1675-041A	2061.65	1.52	0.05	0.67	1.62	0.29	106.6	436
1675-048A	2070.70	1.25	0.00	0.76	2.03	0.27	162.4	433
1675-050A	2073.10	0.38	0.00	0.22	0.17	0.56	44.7	434
1675-056A	2083.40	6.62	0.05	2.44	11.10	0.18	167.7	433
1675-057A	2085.70	0.74	0.05	0.15	0.38	0.28	51.4	433
1675-059A	2090.50	0.08	0.00	0.02	0.03	0.40	37.5	434
1675-062A	2097.70	1.07	0.08	0.23	0.42	0.35	39.3	435

TABLE 3a

SAMPLE NUMBER	DEPTH	GAS-OIL INDEX (1) UNEXTRACTED SAMPLES					
		% C1	% C2-C5	% C6-C14	% C15+	% nC17	% C1-C5
1675-021B	2038.00	11.86	33.63	40.10	13.97	0.45	45.49
1675-030A	2049.00	15.57	46.81	32.76	4.55	0.32	62.38
1675-041A	2061.65	20.99	48.82	28.78	1.24	0.17	69.81
1675-048A	2070.70	12.07	38.79	46.10	2.68	0.36	50.86
1675-050A	2073.10	18.02	46.02	35.96	0.00	0.00	64.04
1675-056A	2083.40	17.28	31.34	39.72	10.94	0.72	48.62
1675-057A	2085.70	19.41	47.88	31.25	1.28	0.18	67.29
1675-059A	2090.50	18.64	63.78	17.59	0.00	0.00	82.41
1675-062A	2097.70	23.58	47.40	29.01	0.00	0.00	70.99

TABLE 3b

SAMPLE NUMBER	DEPTH	GAS-OIL	INDEX (2)	UNEXTRACTED	SAMPLES		
		% C1	% C2-C6	% C7-C14	% C15+	% nC17	% C1-C6
1675-021B	2038.00	11.86	40.16	33.57	13.97	0.45	52.01
1675-030A	2049.00	15.57	54.52	25.04	4.55	0.32	70.09
1675-041A	2061.65	20.99	56.49	21.11	1.24	0.17	77.48
1675-048A	2070.70	12.07	48.09	36.80	2.68	0.36	60.16
1675-050A	2073.10	18.02	55.45	26.53	0.00	0.00	73.47
1675-056A	2083.40	17.28	36.50	34.56	10.94	0.72	53.78
1675-057A	2085.70	19.41	57.66	21.47	1.28	0.18	77.07
1675-059A	2090.50	18.64	80.05	1.31	0.00	0.00	98.69
1675-062A	2097.70	23.58	56.14	20.28	0.00	0.00	79.72

TABLE 4a

SAMPLE NUMBER	DEPTH	GAS-OIL INDEX (1) EXTRACTED SAMPLES					
		% C1	% C2-C5	% C6-C14	% C15+	% nC17	% C1-C5
1675-021B	2038.00	13.16	33.10	44.44	8.76	0.54	46.25
1675-030A	2049.00	13.48	46.36	36.13	3.89	0.14	59.84
1675-041A	2061.65	13.75	45.41	36.63	4.07	0.14	59.16
1675-048A	2070.70	10.45	42.18	43.45	3.72	0.19	52.63
1675-050A	2073.10	13.63	60.17	26.20	0.00	0.00	73.80
1675-056A	2083.40	19.63	40.99	36.82	2.44	0.12	60.62
1675-057A	2085.70	15.75	50.80	33.46	0.00	0.00	66.54
1675-059A	2090.50	24.79	54.01	21.20	0.00	0.00	78.80
1675-062A	2097.70	28.45	41.64	29.91	0.00	0.00	70.09

TABLE 4b

SAMPLE NUMBER	DEPTH	GAS-OIL	INDEX (2)	EXTRACTED SAMPLES			
		% C1	% C2-C6	% C7-C14	% C15+	% nC17	% C1-C6
1675-021B	2038.00	13.16	40.70	36.84	8.76	0.54	53.85
1675-030A	2049.00	13.48	53.74	28.75	3.89	0.14	67.22
1675-041A	2061.65	13.75	53.03	29.01	4.07	0.14	66.78
1675-048A	2070.70	10.45	51.43	34.21	3.72	0.19	61.88
1675-050A	2073.10	13.63	74.31	12.06	0.00	0.00	87.94
1675-056A	2083.40	19.63	47.66	30.15	2.44	0.12	67.29
1675-057A	2085.70	15.75	61.74	22.51	0.00	0.00	77.49
1675-059A	2090.50	24.79	61.47	13.74	0.00	0.00	86.26
1675-062A	2097.70	28.45	48.35	23.20	0.00	0.00	76.80

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
<u>Well 7122/6-1</u>								
1675-021B	2038.00m	Am*-W;-;H-I	differentiation frequently difficult * unstructured, degraded, unrecognisable, generally not true amorphous	-	F-M/C	G	2-	3
1675-030A	2049.00m	W;-;H-I (-Al)		-	M-C	G	2-	3
1675-041A	2061.65m	W;-;H-I		-	M-C	G	2-	3
1675-048A	2070.70m	H;I-W;Al-Am		-	M/C	G	2- to 2	3.5
1675-050A	2073.10m	I-W;-;H	W/I differentiation difficult largely semi fusinite	-	F-M	F	2- to 2	3.5
1675-056A	2083.40m	-;I-W-H-Am*;Al	organic matter frequently fine grained and/or partially degraded * fine grained, unrecognisable, may include finely comminuted W,I and H ± contamination good H at 2	-	F-M/C	F	2- to 2	3.7
1675-057A	2085.70m	I;W-H;Al	I/W differentiation difficult largely semifusinite	-	F-M/C	F-G	2	4
1675-059A	2090.50m	I;W-H;Am	I/W differentiation difficult largely semifusinite	-	F-M/C	F-G	2 max	4
1675-062A	2097.70m	W*;I-H;Am-Al	disseminated amorphous-like material believed to be contamination material at 2+ * may include semifusinite	-	M	F	2 (?)	4 (?)

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 6

KEROGEN COMPOSITION

Well 7122/6-1

GEOCHEM SAMPLE NUMBER	DEPTH	VISUAL ESTIMATE (%)				
		AM	AI	H	W	I
1675-021B	2038.00m	50*	-	<10	45	1
1675-030A	2049.00m	-	1	<10	90	<5
1675-041A	2061.65m	-	-	<10	90	<10
1675-048A	2070.70m	1	<10	55	15	25
1675-050A	2073.10m	-	-	<10	35	60
1675-056A	2083.40m	10*	1	15	35	35
1675-057A	2085.70m	-	1	20	30	50
1675-059A	2090.50m	<10	-	10	30	50
1675-062A	2097.70m	<10	1	10	55*	30

\* see remarks, table 5

TABLE 7a

## TCT NORMALISED PERCENTAGES (1)

WELL :7122/6-1

SAMPLE NUMBER	DEPTH	% Cx-C5	% C6-C14	% C15+	% C17	ABUNDANCE ppm
1675-001	2019.25	1.49	11.09	87.41	2.40	536
1675-002	2020.50	0.57	8.48	90.94	6.00	619
1675-003	2021.00	0.48	11.60	87.92	6.62	393
1675-004	2022.00	0.64	5.58	93.78	8.00	725
1675-005	2023.00	0.59	5.60	93.81	6.51	766
1675-006	2024.00	2.70	19.90	77.40	3.95	703
1675-007	2025.00	3.13	20.12	76.74	6.50	399
1675-008	2026.00	3.46	50.78	45.76	1.20	1130
1675-009	2027.10	7.15	32.83	60.01	2.60	818
1675-010	2028.00	6.32	23.48	70.20	5.20	536
1675-011	2029.00	0.62	13.15	86.23	6.33	359
1675-012	2030.00	2.58	10.63	86.80	4.50	319
1675-013	2031.00	2.39	22.09	75.52	6.40	741
1675-014	2032.00	0.95	11.56	87.49	8.20	638
1675-015	2033.00	1.77	10.22	88.01	7.30	295
1675-016	2034.00	3.12	18.33	78.55	7.89	196
1675-017	2035.00	3.58	23.43	73.00	6.70	405
1675-018	2036.00	1.34	18.84	79.82	8.40	983
1675-019	2037.00	1.68	15.02	83.30	7.20	1104
1675-020	2037.50	0.46	19.47	80.07	5.76	1366
1675-021	2038.00	8.32	73.21	18.47	1.70	3210
1675-022	2039.00	8.15	5.55	86.30	3.56	398
1675-023	2040.50	5.16	14.51	80.33	6.45	319
1675-024	2041.75	0.33	11.53	88.14	6.55	1720
1675-025	2043.50	3.68	11.41	84.91	6.52	366
1675-026	2044.75	9.08	16.67	74.24	6.28	677
1675-027	2045.50	0.94	18.08	80.98	6.42	2216
1675-028	2046.50	2.72	11.52	85.76	6.30	2342
1675-029	2048.00	3.97	14.73	81.30	7.40	960
1675-030	2049.00	13.06	83.94	3.00	0.60	3405
1675-031	2051.00	2.31	61.43	36.26	1.85	796
1675-032	2053.00	3.43	24.42	72.15	5.20	412
1675-033	2054.00	0.71	48.61	50.68	3.70	1720
1675-034	2055.50	2.27	41.61	56.12	4.10	1390
1675-035	2056.50	4.20	62.24	33.57	3.00	1410
1675-036	2057.50	0.61	30.34	69.05	5.20	1326
1675-037	2058.50	0.47	16.66	82.87	7.90	1394
1675-038	2059.50	7.40	48.75	43.85	2.60	407
1675-039	2060.50	6.13	40.73	53.14	5.30	536
1675-040	2060.75	3.76	60.20	36.04	3.60	504
1675-041	2061.65	17.78	77.19	5.03	0.25	1762
1675-042	2062.25	0.65	19.13	80.21	6.38	2189
1675-043	2063.65	2.51	17.42	80.08	7.50	2330
1675-044	2065.00	1.05	16.69	82.26	8.00	1910
1675-045	2066.00	0.58	12.43	86.99	8.00	1937
1675-046	2067.00	1.15	25.49	73.36	4.90	1768
1675-047	2068.00	3.77	6.90	89.33	8.28	2426
1675-048	2070.70	15.91	80.03	4.06	0.57	318
1675-049	2071.50	20.39	62.43	17.17	2.68	199
1675-050	2073.10	35.16	59.03	5.81	0.32	39



TABLE 7a

## TCT NORMALISED PERCENTAGES (1)

WELL :7122/6-1

SAMPLE NUMBER	DEPTH	% Cx-C5	% C6-C14	% C15+	% C17	ABUNDANCE ppm
1675-051	2075.50	32.00	59.11	8.89	0.89	48
1675-052	2077.50	60.48	35.78	3.74	0.30	26
1675-053	2079.00	2.24	19.73	78.03	8.00	676
1675-054	2081.50	4.13	16.74	79.13	7.98	193
1675-055	2082.00	0.71	23.56	75.73	8.00	742
1675-056	2083.40	30.12	69.48	0.40	0.00	890
1675-057	2085.70	25.81	68.55	5.65	0.13	66
1675-058	2089.00	60.10	39.02	0.88	0.23	129
1675-059	2090.50	20.24	76.61	3.15	0.22	455
1675-060	2091.50	23.94	72.20	3.86	0.46	110
1675-061	2092.50	58.16	31.91	9.93	0.71	35
1675-062	2097.70	17.42	76.09	6.50	0.05	405

TABLE 7b

## TCT NORMALISED PERCENTAGES (2)

WELL :7122/6-1

SAMPLE NUMBER	DEPTH	% Cx-C6	% C7-C14	% C15+	% C17	ABUNDANCE ppm
1675-001	2019.25	1.85	10.73	87.41	2.40	536
1675-002	2020.50	0.68	8.38	90.94	6.00	619
1675-003	2021.00	0.71	11.37	87.92	6.62	393
1675-004	2022.00	0.83	5.39	93.78	8.00	725
1675-005	2023.00	0.73	5.46	93.81	6.51	766
1675-006	2024.00	4.27	18.33	77.40	3.95	703
1675-007	2025.00	5.13	18.13	76.74	6.50	399
1675-008	2026.00	10.07	44.17	45.76	1.20	1130
1675-009	2027.10	10.16	29.82	60.01	2.60	818
1675-010	2028.00	10.11	19.69	70.20	5.20	536
1675-011	2029.00	1.17	12.59	86.23	6.33	359
1675-012	2030.00	3.34	9.87	86.80	4.50	319
1675-013	2031.00	3.89	20.59	75.52	6.40	741
1675-014	2032.00	1.73	10.77	87.49	8.20	638
1675-015	2033.00	2.91	9.08	88.01	7.30	295
1675-016	2034.00	4.62	16.82	78.55	7.89	196
1675-017	2035.00	3.77	23.23	73.00	6.70	405
1675-018	2036.00	1.81	18.37	79.82	8.40	983
1675-019	2037.00	3.72	12.98	83.30	7.20	1104
1675-020	2037.50	0.98	18.95	80.07	5.76	1366
1675-021	2038.00	15.28	66.26	18.47	1.70	3210
1675-022	2039.00	9.32	4.38	86.30	3.56	398
1675-023	2040.50	6.56	13.11	80.33	6.45	319
1675-024	2041.75	0.54	11.32	88.14	6.55	1720
1675-025	2043.50	6.29	8.81	84.91	6.52	366
1675-026	2044.75	10.72	15.04	74.24	6.28	677
1675-027	2045.50	3.28	15.74	80.98	6.42	2216
1675-028	2046.50	4.10	10.14	85.76	6.30	2342
1675-029	2048.00	9.24	9.46	81.30	7.40	960
1675-030	2049.00	26.14	70.85	3.00	0.60	3405
1675-031	2051.00	8.54	11.05	80.41	4.10	796
1675-032	2053.00	4.85	23.00	72.15	5.20	412
1675-033	2054.00	2.14	47.18	50.68	3.70	1720
1675-034	2055.50	3.41	40.25	56.33	4.11	1390
1675-035	2056.50	9.85	56.59	33.57	3.00	1410
1675-036	2057.50	2.21	28.74	69.05	5.20	1326
1675-037	2058.50	2.15	14.96	82.89	7.90	1394
1675-038	2059.50	14.49	41.66	43.85	2.60	407
1675-039	2060.50	11.18	35.68	53.14	5.30	536
1675-040	2060.75	5.31	58.65	36.04	3.60	504
1675-041	2061.65	32.18	62.79	5.03	0.25	1762
1675-042	2062.25	1.31	18.48	80.21	6.38	2189
1675-043	2063.65	4.10	15.83	80.08	7.50	2330
1675-044	2065.00	1.42	16.32	82.26	8.00	1910
1675-045	2066.00	6.14	6.87	86.99	8.00	1937
1675-046	2067.00	3.48	23.16	73.36	4.90	1768
1675-047	2068.00	4.11	6.56	89.33	8.28	2426
1675-048	2070.70	32.39	63.56	4.06	0.57	318
1675-049	2071.50	39.18	43.65	17.17	2.68	199
1675-050	2073.10	56.77	37.42	5.81	0.32	39

TABLE 7b

## TCT NORMALISED PERCENTAGES (2)

WELL :7122/6-1

SAMPLE NUMBER	DEPTH	% Cx-C6	% C7-C14	% C15+	% C17	ABUNDANCE ppm
1675-051	2075.50	44.89	46.22	8.89	0.89	48
1675-052	2077.50	73.95	22.31	3.74	0.30	26
1675-053	2079.00	3.72	18.24	78.03	8.00	676
1675-054	2081.50	6.02	14.85	79.13	7.98	193
1675-055	2082.00	1.34	22.93	75.73	8.00	742
1675-056	2083.40	50.63	48.97	0.40	0.00	890
1675-057	2085.70	30.62	63.73	5.64	0.13	66
1675-058	2089.00	68.44	30.69	0.88	0.23	129
1675-059	2090.50	36.29	60.57	3.15	0.22	455
1675-060	2091.50	35.99	60.15	3.86	0.46	110
1675-061	2092.50	63.83	26.24	9.93	0.71	35
1675-062	2097.70	46.31	47.20	6.50	0.05	405



TABLE 8  
CONCENTRATION (PPM) OF EXTRACTED C<sub>15+</sub> 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
1675-001A		2019.25	356	250	22	272	64	20	1	85
1675-002A		2020.50	690	547	50	597	48	44	1	93
1675-003A		2021.00	630	496	43	538	43	47	2	92
1675-004A		2022.00	1844	1419	130	1548	69	220	7	296
1675-005A		2023.00	1552	1212	107	1319	108	121	4	234
1675-006A		2024.00	952	725	71	796	81	73	2	156
1675-007A		2025.00	211	133	21	153	37	19	1	57
1675-008A		2026.00	900	565	116	681	105	112	2	219
1675-009A		2027.00	841	593	93	686	65	89	1	155
1675-010A		2028.00	360	216	35	252	82	26	1	109
1675-011A		2029.00	595	378	62	441	73	79	2	154
1675-012A		2030.00	401	254	43	297	60	42	1	104
1675-013A		2031.00	161	91	16	107	39	15	1	54
1675-014A		2032.00	331	182	36	218	66	47	1	113
1675-015A		2033.00	262	147	21	168	47	46	1	94
1675-016A		2034.00	181	80	9	90	62	28	1	91
1675-017A		2035.00	333	229	24	253	44	36	1	81
1675-018A		2036.00	687	508	50	558	60	68	1	129
1675-019A		2037.00	926	670	67	736	74	112	3	189
1675-020A		2037.50	1188	867	100	967	87	132	1	220
1675-021		2038.00	2888	1370	491	1861	627	395	4	1027
1675-022A		2039.00	1208	844	90	933	118	154	2	275
1675-023A		2040.50	530	354	42	396	75	58	1	134
1675-024A		2041.75	2067	1283	170	1454	382	227	3	613
1675-025A		2043.50	405	259	29	288	54	63	1	118
1675-026A		2044.75	728	517	54	572	74	81	1	156
1675-027A		2045.50	1304	872	108	981	165	156	1	323
1675-028A		2046.50	1942	1245	193	1438	260	241	3	504
1675-029A		2048.00	587	359	36	396	85	106	1	191
1675-030A		2049.00	292	40	54	94	108	90	1	199
1675-031A		2051.00	213	87	16	103	54	56	1	110
1675-032A		2053.00	172	59	27	86	64	21	1	85
1675-033A		2054.00	632	223	116	339	196	95	2	292
1675-034A		2055.50	574	156	122	278	211	85	1	296
1675-035A		2056.50	905	349	187	536	251	117	1	369
1675-036A		2057.50	1469	747	246	992	299	177	1	477
1675-037A		2058.50	767	491	92	583	90	93	1	183
1675-038A		2059.50	397	183	33	217	101	78	1	181
1675-039A		2060.50	117	60	8	68	32	16	0	49
1675-040A		2060.75	872	387	94	480	266	124	1	391
1675-041A		2061.65	316	82	49	132	134	48	1	184
1675-042A		2062.25	854	630	82	711	52	90	2	143
1675-043A		2063.65	701	466	65	531	88	81	1	170
1675-044A		2065.00	2351	1758	208	1966	113	269	4	385
1675-045A		2066.00	805	511	55	566	56	181	1	239
1675-046A		2067.00	1604	1102	150	1253	238	109	4	352
1675-047A		2068.00	1192	831	102	933	126	130	2	259
1675-048A		2070.70	370	96	79	175	129	65	1	195
1675-049A		2071.50	176	39	22	61	95	20	1	115
1675-050A		2073.10	184	52	24	76	78	29	1	108

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

**TABLE 8**  
**CONCENTRATION (PPM) OF EXTRACTED C<sub>15+</sub> 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
1675-051A		2075.50	81	19	4	23	38	20	0	58
1675-052A		2077.50	25	4	2	6	13	6	0	20
1675-053A		2079.00	564	430	55	485	32	47	1	79
1675-054A		2081.50	1137	868	113	981	63	91	2	157
1675-055A		2082.00	687	514	69	584	54	49	1	103
1675-056A		2083.40	409	113	58	171	206	32	1	238
1675-057A		2085.70	105	25	12	38	44	22	1	67
1675-058A		2089.00	52	11	2	13	11	27	1	39
1675-059A		2090.50	55	18	3	21	18	15	0	33
1675-060A		2091.50	75	21	3	24	26	24	0	51
1675-061A		2092.50	252	58	38	96	116	39	1	155
1675-062A		2097.70	244	35	35	70	148	26	1	174

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



TABLE 9  
COMPOSITION (NORMALISED %) OF C<sub>15+</sub> MATERIAL

JOB	LITHO	DEPTH	HYDROCARBONS		NON HYDROCARBONS		
			Saturates	Aromatics	Preciptd. Asphaltenes	Eluted NSO's	Non eluted NSO's
1675-001A		2019.25	70.07	6.18	17.81	5.70	0.24
1675-002A		2020.50	79.31	7.19	6.94	6.44	0.12
1675-003A		2021.00	78.68	6.75	6.89	7.42	0.26
1675-004A		2022.00	76.93	7.03	3.72	11.95	0.37
1675-005A		2023.00	78.06	6.89	6.94	7.82	0.28
1675-006A		2024.00	76.17	7.42	8.46	7.72	0.22
1675-007A		2025.00	62.90	9.89	17.67	8.83	0.71
1675-008A		2026.00	62.77	12.87	11.70	12.44	0.22
1675-009A		2027.00	70.53	11.01	7.77	10.53	0.16
1675-010A		2028.00	60.08	9.79	22.84	7.10	0.19
1675-011A		2029.00	63.65	10.48	12.29	13.32	0.26
1675-012A		2030.00	63.33	10.70	15.09	10.53	0.35
1675-013A		2031.00	56.68	9.72	23.89	9.31	0.40
1675-014A		2032.00	54.97	10.85	19.86	14.09	0.23
1675-015A		2033.00	56.07	8.09	17.92	17.63	0.29
1675-016A		2034.00	44.49	5.12	34.25	15.75	0.39
1675-017A		2035.00	68.57	7.25	13.19	10.77	0.22
1675-018A		2036.00	73.99	7.21	8.79	9.84	0.18
1675-019A		2037.00	72.34	7.21	8.05	12.07	0.34
1675-020A		2037.50	73.02	8.44	7.35	11.13	0.06
1675-021		2038.00	47.45	17.00	21.71	13.69	0.15
1675-022A		2039.00	69.85	7.41	9.80	12.77	0.16
1675-023A		2040.50	66.90	7.85	14.19	10.87	0.20
1675-024A		2041.75	62.10	8.25	18.50	11.00	0.16
1675-025A		2043.50	63.90	7.12	13.22	15.59	0.17
1675-026A		2044.75	71.11	7.46	10.14	11.15	0.14
1675-027A		2045.50	66.91	8.31	12.67	11.99	0.11
1675-028A		2046.50	64.10	9.95	13.40	12.39	0.17
1675-029A		2048.00	61.24	6.22	14.45	17.99	0.10
1675-030A		2049.00	13.67	18.45	36.90	30.75	0.23
1675-031A		2051.00	40.72	7.49	25.45	26.05	0.30
1675-032A		2053.00	34.52	15.81	37.10	12.26	0.32
1675-033A		2054.00	35.28	18.44	31.05	15.00	0.24
1675-034A		2055.50	27.11	21.29	36.69	14.74	0.16
1675-035A		2056.50	38.55	20.62	27.78	12.90	0.14
1675-036A		2057.50	50.83	16.71	20.35	12.03	0.08
1675-037A		2058.50	64.04	12.03	11.70	12.16	0.07
1675-038A		2059.50	46.12	8.43	25.50	19.73	0.22
1675-039A		2060.50	51.68	6.72	27.73	13.45	0.42
1675-040A		2060.75	44.35	10.75	30.49	14.27	0.14
1675-041A		2061.65	26.07	15.68	42.57	15.27	0.41
1675-042A		2062.25	73.69	9.57	6.04	10.51	0.19
1675-043A		2063.65	66.47	9.27	12.61	11.50	0.15
1675-044A		2065.00	74.76	8.86	4.79	11.43	0.17
1675-045A		2066.00	63.55	6.80	6.97	22.51	0.18
1675-046A		2067.00	68.69	9.38	14.86	6.82	0.25
1675-047A		2068.00	69.73	8.57	10.61	10.93	0.16
1675-048A		2070.70	25.88	21.34	34.96	17.48	0.34
1675-049A		2071.50	22.22	12.50	53.82	11.11	0.35
1675-050A		2073.10	28.31	12.87	42.65	15.81	0.37

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



TABLE 9  
COMPOSITION (NORMALISED %) OF C<sub>15+</sub> MATERIAL

JOB	LITHO	DEPTH	HYDROCARBONS		NON HYDROCARBONS		
GEOCHEM SAMPLE NUMBER			Saturates	Aromatics	Preciptd. Asphaltenes	Eluted NSO's	Non eluted NSO's

1675-051A		2075.50	23.33	5.00	46.67	24.44	0.56
1675-052A		2077.50	14.81	7.41	51.85	24.07	1.85
1675-053A		2079.00	76.21	9.75	5.60	8.29	0.15
1675-054A		2081.50	76.30	9.92	5.58	8.04	0.16
1675-055A		2082.00	74.86	10.11	7.79	7.09	0.14
1675-056A		2083.40	27.74	14.09	50.30	7.72	0.15
1675-057A		2085.70	24.18	11.76	42.48	20.92	0.65
1675-058A		2089.00	21.51	4.30	20.43	52.69	1.08
1675-059A		2090.50	33.59	5.47	32.81	27.34	0.78
1675-060A		2091.50	27.91	4.07	34.88	32.56	0.58
1675-061A		2092.50	23.00	15.25	46.00	15.50	0.24
1675-062A		2097.70	14.40	14.40	60.47	10.47	0.26

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



TABLE 10  
SIGNIFICANT RATIOS (%) OF C<sub>15+</sub> FRACTIONS AND ORGANIC CARBON

JOB		DEPTH	ORGANIC CARBON (wt. %)	HYDROCARBONS		TOTAL EXTRACT	SATURATES
GEOCHEM SAMPLE NUMBER	LITHO			TOTAL EXTRACT	ORG. CARBON	ORG. CARBON	AROMATICS
1675-001A		2019.25	0.09	76.25	30.20	39.61	11.35
1675-002A		2020.50	0.37	86.49	16.12	18.64	11.03
1675-003A		2021.00	0.32	85.43	16.82	19.69	11.65
1675-004A		2022.00	0.08	83.96	193.54	230.51	10.94
1675-005A		2023.00	0.10	84.96	131.89	155.24	11.32
1675-006A		2024.00	0.13	83.59	61.21	73.23	10.26
1675-007A		2025.00	0.10	72.79	15.34	21.07	6.36
1675-008A		2026.00	0.15	75.64	45.38	60.00	4.88
1675-009A		2027.00	0.09	81.54	76.22	93.48	6.40
1675-010A		2028.00	0.07	69.87	35.96	51.47	6.14
1675-011A		2029.00	0.07	74.13	62.97	84.95	6.07
1675-012A		2030.00	0.07	74.04	42.40	57.26	5.92
1675-013A		2031.00	0.17	66.40	6.30	9.49	5.83
1675-014A		2032.00	0.12	65.82	18.13	27.54	5.06
1675-015A		2033.00	0.09	64.16	18.69	29.12	6.93
1675-016A		2034.00	0.18	49.61	4.99	10.05	8.69
1675-017A		2035.00	0.20	75.82	12.64	16.67	9.45
1675-018A		2036.00	0.13	81.20	42.92	52.86	10.27
1675-019A		2037.00	0.06	79.55	122.70	154.25	10.03
1675-020A		2037.50	0.09	81.46	107.48	131.95	8.65
1675-021		2038.00	4.29	64.44	4.34	6.73	2.79
1675-022A		2039.00	0.13	77.27	71.79	92.92	9.42
1675-023A		2040.50	0.13	74.75	30.47	40.76	8.53
1675-024A		2041.75	0.36	70.34	40.39	57.41	7.53
1675-025A		2043.50	0.14	71.02	20.57	28.96	8.98
1675-026A		2044.75	0.09	78.57	63.52	80.85	9.53
1675-027A		2045.50	0.24	75.23	40.87	54.33	8.05
1675-028A		2046.50	0.82	74.04	17.53	23.68	6.44
1675-029A		2048.00	0.09	67.46	43.98	65.19	9.85
1675-030A		2049.00	0.79	32.12	1.19	3.70	0.74
1675-031A		2051.00	0.11	48.20	9.35	19.39	5.44
1675-032A		2053.00	0.61	50.32	1.42	2.82	2.18
1675-033A		2054.00	0.63	53.71	5.39	10.03	1.91
1675-034A		2055.50	0.95	48.40	2.93	6.05	1.27
1675-035A		2056.50	0.82	59.18	6.53	11.04	1.87
1675-036A		2057.50	0.71	67.54	13.98	20.69	3.04
1675-037A		2058.50	0.08	76.07	72.90	95.83	5.32
1675-038A		2059.50	0.14	54.55	15.48	28.38	5.47
1675-039A		2060.50	0.10	58.40	6.83	11.70	7.69
1675-040A		2060.75	0.41	55.10	11.71	21.26	4.13
1675-041A		2061.65	1.48	41.75	0.89	2.13	1.66
1675-042A		2062.25	0.14	83.26	50.81	61.02	7.70
1675-043A		2063.65	0.12	75.74	44.27	58.45	7.17
1675-044A		2065.00	0.07	83.62	280.88	335.90	8.44
1675-045A		2066.00	0.07	70.34	80.86	114.96	9.35
1675-046A		2067.00	0.57	78.07	21.97	28.15	7.33
1675-047A		2068.00	0.08	78.31	116.67	148.99	8.13
1675-048A		2070.70	1.22	47.23	1.43	3.03	1.21
1675-049A		2071.50	0.28	34.72	2.19	6.30	1.78
1675-050A		2073.10	0.35	41.18	2.16	5.25	2.20

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



TABLE 10  
SIGNIFICANT RATIOS (%) OF C<sub>15+</sub> FRACTIONS AND ORGANIC CARBON

JOB	LITHO	DEPTH	ORGANIC CARBON (wt. %)	HYDROCARBONS		TOTAL EXTRACT ORG. CARBON	SATURATES AROMATICS
GEOCHEM SAMPLE NUMBER				TOTAL EXTRACT	ORG. CARBON		
1675-051A		2075.50	2.51	28.33	0.09	0.32	4.67
1675-052A		2077.50	0.35	22.22	0.16	0.73	2.00
1675-053A		2079.00	0.20	85.96	24.24	28.20	7.82
1675-054A		2081.50	0.06	86.22	163.42	189.54	7.69
1675-055A		2082.00	0.11	84.97	53.09	62.48	7.40
1675-056A		2083.40	6.54	41.84	0.26	0.62	1.97
1675-057A		2085.70	0.72	35.95	0.52	1.45	2.06
1675-058A		2089.00	0.12	25.81	1.12	4.34	5.00
1675-059A		2090.50	0.03	39.06	7.15	18.31	6.14
1675-060A		2091.50	0.04	31.98	5.97	18.67	6.86
1675-061A		2092.50	1.07	38.26	0.90	2.35	1.51
1675-062A		2097.70	1.06	28.80	0.66	2.30	1.00

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

TABLE 11  
COMPOSITION (NORMALISED %) OF C<sub>15+</sub> SATURATE (PARAFFIN – NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	001A	002A	003A	004A	005A
DEPTH	2019.25	2020.50	2021.00	2022.00	2023.00
SAMPLE TYPE	CORE	CORE	CORE	CORE	CORE
nC15	3.69	7.02	3.87	7.39	8.13
nC16	5.67	9.38	6.78	7.58	8.88
nC17	7.25	9.18	8.11	7.89	7.59
nC18	8.20	8.33	8.30	8.32	8.06
nC19	8.75	8.20	8.17	7.09	8.13
nC20	9.30	7.74	8.49	6.35	7.72
nC21	8.13	7.61	7.79	6.84	6.98
nC22	7.72	7.08	6.91	6.22	6.44
nC23	7.18	5.57	6.91	6.28	5.76
nC24	6.22	5.77	6.02	5.73	5.49
nC25	5.33	4.39	5.32	4.99	4.74
nC26	4.37	4.33	4.25	4.68	4.07
nC27	4.24	3.48	3.99	4.19	3.66
nC28	3.14	3.02	3.49	3.70	3.32
nC29	3.01	2.49	3.30	2.90	2.91
nC30	2.32	1.90	2.41	2.90	2.37
nC31	1.85	1.51	1.90	2.34	1.76
nC32	1.30	1.25	1.27	1.66	1.22
nC33	1.03	0.79	1.20	1.29	1.22
nC34	0.82	0.66	0.95	1.05	1.08
nC35	0.48	0.33	0.57	0.62	0.47
Paraffin	55.75	58.65	55.82	51.43	44.39
Isoprenoid	5.18	6.92	6.51	6.59	6.29
Naphthene	39.06	34.42	37.67	41.98	49.32
CPI 1 Index	1.03	0.94	1.05	1.03	0.99
CPI 2 Index	1.10	0.96	1.09	0.98	1.02
CPI 3 Index	1.13	0.95	1.03	1.00	0.99
Prist/Phytane	1.09	1.57	1.27	1.54	1.22
Prist/nC17	0.67	0.79	0.80	0.98	1.03
Phytane/nC18	0.54	0.55	0.62	0.61	0.79

$$C.P.I. 1 = \frac{1}{2} \frac{C_{21}+C_{23}+C_{25}+C_{27}}{C_{20}+C_{22}+C_{24}+C_{26}} + \frac{C_{21}+C_{23}+C_{25}+C_{27}}{C_{22}+C_{24}+C_{26}+C_{28}}$$

Job Number : 1675

$$C.P.I. 2 = \frac{1}{2} \frac{C_{25}+C_{27}+C_{29}+C_{31}}{C_{24}+C_{26}+C_{28}+C_{30}} + \frac{C_{25}+C_{27}+C_{29}+C_{31}}{C_{26}+C_{28}+C_{30}+C_{32}}$$

$$C.P.I. 3 = \frac{2x (C_{27})}{C_{26}+C_{28}}$$

CT – ditch cuttings CO – core SWC – sidewall core



TABLE 11  
COMPOSITION (NORMALISED %) OF C<sub>15+</sub> SATURATE (PARAFFIN – NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	006A	007A	008A	009A	010A
DEPTH	2024.00	2025.00	2026.00	2027.00	2028.00
SAMPLE TYPE	CORE	CORE	CORE	CORE	CORE
nC15	9.82	4.35	9.38	6.05	3.52
nC16	9.96	5.75	10.15	7.10	5.66
nC17	9.12	6.25	10.84	7.10	8.31
nC18	8.28	7.58	9.45	8.15	8.62
nC19	8.42	9.26	9.45	8.46	8.31
nC20	7.16	9.40	7.30	7.78	8.43
nC21	6.53	9.12	7.53	7.22	8.87
nC22	6.32	9.12	6.46	7.65	7.87
nC23	6.32	7.72	5.69	6.30	7.87
nC24	4.35	6.67	4.84	6.17	6.10
nC25	4.35	5.19	3.77	4.81	4.72
nC26	3.86	4.56	3.23	4.38	4.72
nC27	2.95	3.93	2.61	3.95	3.59
nC28	3.02	3.02	2.31	3.40	3.27
nC29	2.39	2.67	2.00	3.09	2.83
nC30	2.04	1.68	1.46	2.53	2.08
nC31	1.75	1.33	1.23	1.98	1.89
nC32	1.26	0.77	0.85	1.30	1.20
nC33	0.91	0.70	0.61	1.11	1.01
nC34	0.77	0.63	0.54	0.99	0.76
nC35	0.42	0.28	0.31	0.49	0.38
Paraffin	65.37	52.06	60.71	57.96	68.31
Isoprenoid	7.57	5.01	7.33	6.26	7.18
Naphtene	27.06	42.93	31.96	35.78	24.51
CPI 1 Index	1.04	0.99	1.03	0.94	1.03
CPI 2 Index	0.99	1.07	1.02	1.02	0.98
CPI 3 Index	0.86	1.04	0.94	1.02	0.90
Prist/Phytane	1.62	1.08	1.34	1.30	1.23
Prist/nC17	0.78	0.80	0.64	0.86	0.70
Phytane/nC18	0.53	0.61	0.54	0.58	0.55

$$C.P.I. 1 = \frac{1}{2} \frac{C_{21}+C_{23}+C_{25}+C_{27}}{C_{20}+C_{22}+C_{24}+C_{26}} + \frac{C_{21}+C_{23}+C_{25}+C_{27}}{C_{22}+C_{24}+C_{26}+C_{28}}$$

Job Number : 1675

$$C.P.I. 2 = \frac{1}{2} \frac{C_{25}+C_{27}+C_{29}+C_{31}}{C_{24}+C_{26}+C_{28}+C_{30}} + \frac{C_{25}+C_{27}+C_{29}+C_{31}}{C_{26}+C_{28}+C_{30}+C_{32}}$$

$$C.P.I. 3 = \frac{2x (C_{27})}{C_{26}+C_{28}}$$

CT – ditch cuttings CO – core SWC – sidewall core



TABLE 11  
COMPOSITION (NORMALISED %) OF C<sub>15+</sub> SATURATE (PARAFFIN – NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	011A	012A	013A	014A	015A
DEPTH	2029.00	2030.00	2031.00	2032.00	2033.00
SAMPLE TYPE	CORE	CORE	CORE	CORE	CORE
nC15	6.30	6.36	1.94	8.85	5.45
nC16	7.40	7.39	3.44	9.25	6.43
nC17	7.40	9.08	4.73	11.67	6.89
nC18	8.32	8.50	5.95	9.33	8.08
nC19	8.01	8.75	7.24	9.65	8.34
nC20	7.34	8.37	8.39	8.53	9.00
nC21	7.34	8.69	8.60	7.40	8.14
nC22	7.16	7.59	9.75	7.80	7.62
nC23	6.91	5.84	9.10	5.47	6.70
nC24	6.18	5.71	8.24	4.51	6.50
nC25	4.89	4.80	6.81	3.94	5.58
nC26	4.46	4.47	5.73	3.38	4.27
nC27	3.98	4.02	4.87	2.74	3.81
nC28	3.36	2.85	3.73	2.01	3.15
nC29	3.24	2.59	3.51	1.61	2.82
nC30	2.14	1.43	2.29	1.21	2.17
nC31	1.83	1.30	1.79	0.88	1.71
nC32	1.16	0.84	1.15	0.72	1.12
nC33	1.04	0.65	1.15	0.48	0.92
nC34	1.04	0.52	1.00	0.40	0.85
nC35	0.49	0.26	0.57	0.16	0.46
Paraffin	53.80	61.12	58.89	66.83	55.93
Isoprenoid	6.88	6.98	3.97	8.44	6.24
Naphthene	39.32	31.91	37.15	24.73	37.83
CPI 1 Index	1.01	1.01	0.99	0.96	1.00
CPI 2 Index	1.06	1.10	1.08	1.04	1.08
CPI 3 Index	1.02	1.10	1.03	1.01	1.03
Prist/Phytane	1.38	1.32	1.14	1.71	1.27
Prist/nC17	1.00	0.71	0.76	0.68	0.90
Phytane/nC18	0.65	0.58	0.53	0.50	0.61

$$C.P.I. 1 = \frac{1}{2} \frac{C_{21}+C_{23}+C_{25}+C_{27}}{C_{20}+C_{22}+C_{24}+C_{26}} + \frac{C_{21}+C_{23}+C_{25}+C_{27}}{C_{22}+C_{24}+C_{26}+C_{28}}$$

Job Number : 1675

$$C.P.I. 2 = \frac{1}{2} \frac{C_{25}+C_{27}+C_{29}+C_{31}}{C_{24}+C_{26}+C_{28}+C_{30}} + \frac{C_{25}+C_{27}+C_{29}+C_{31}}{C_{26}+C_{28}+C_{30}+C_{32}}$$

$$C.P.I. 3 = \frac{2 \times (C_{27})}{C_{26}+C_{28}}$$

CT – ditch cuttings CO – core SWC – sidewall core



TABLE 11  
COMPOSITION (NORMALISED %) OF C<sub>15+</sub> SATURATE (PARAFFIN - NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	016A	017A	018A	019A	020A
DEPTH	2034.00	2035.00	2036.00	2037.00	2037.50
SAMPLE TYPE	CORE	CORE	CORE	CORE	CORE
nC15	9.41	9.32	6.89	5.65	3.92
nC16	9.13	9.18	8.01	7.25	5.12
nC17	9.23	8.98	7.55	7.06	5.12
nC18	9.23	9.05	8.27	7.57	6.20
nC19	7.47	9.25	8.54	8.66	7.53
nC20	6.92	8.23	7.94	7.70	7.53
nC21	6.37	7.82	6.70	8.22	7.23
nC22	6.64	6.87	6.63	7.70	7.23
nC23	5.07	6.05	5.58	6.68	6.63
nC24	5.35	5.58	5.65	5.78	6.27
nC25	5.07	4.01	4.66	5.20	6.20
nC26	3.87	3.27	4.27	4.94	5.24
nC27	4.06	2.72	3.81	4.11	4.82
nC28	4.24	2.52	3.22	3.02	4.10
nC29	2.77	2.11	3.55	2.70	4.22
nC30	1.48	1.43	2.36	2.37	3.37
nC31	1.38	1.16	2.10	1.80	2.89
nC32	0.83	0.75	1.38	1.28	1.81
nC33	0.74	0.68	1.25	1.03	1.87
nC34	0.46	0.61	1.05	0.83	1.81
nC35	0.28	0.41	0.59	0.45	0.90
Paraffin	61.14	50.41	45.72	53.56	41.64
Isoprenoid	5.87	6.55	6.54	7.08	5.32
Naphthene	32.99	43.04	47.73	39.36	53.05
CPI 1 Index	0.96	1.00	0.95	1.03	1.02
CPI 2 Index	1.08	1.02	1.08	1.02	1.10
CPI 3 Index	1.00	0.94	1.02	1.03	1.03
Prist/Phytane	1.67	1.25	1.20	1.15	1.19
Prist/nC17	0.65	0.80	1.03	1.00	1.35
Phytane/nC18	0.39	0.64	0.79	0.81	0.94

$$C.P.I. 1 = \frac{1}{2} \frac{C_{21}+C_{23}+C_{25}+C_{27}}{C_{20}+C_{22}+C_{24}+C_{26}} + \frac{C_{21}+C_{23}+C_{25}+C_{27}}{C_{22}+C_{24}+C_{26}+C_{28}}$$

Job Number : 1675

$$C.P.I. 2 = \frac{1}{2} \frac{C_{25}+C_{27}+C_{29}+C_{31}}{C_{24}+C_{26}+C_{28}+C_{30}} + \frac{C_{25}+C_{27}+C_{29}+C_{31}}{C_{26}+C_{28}+C_{30}+C_{32}}$$

$$C.P.I. 3 = \frac{2x (C_{27})}{C_{26}+C_{28}}$$

CT - ditch cuttings CO - core SWC - sidewall core



TABLE 11  
COMPOSITION (NORMALISED %) OF C<sub>15+</sub> SATURATE (PARAFFIN – NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	021	022A	023A	024A	025A
DEPTH	2038.00	2039.00	2040.50	2041.75	2043.50
SAMPLE TYPE	CORE	CORE	CORE	CORE	CORE
nC15	13.15	3.87	3.53	6.72	3.06
nC16	12.13	5.12	5.53	7.68	6.33
nC17	11.24	4.62	7.33	7.04	8.39
nC18	8.88	5.62	8.40	7.36	10.02
nC19	7.98	7.12	8.13	8.06	8.88
nC20	6.85	7.49	8.80	7.68	9.95
nC21	5.73	7.37	9.07	7.04	7.53
nC22	5.39	7.18	8.20	6.53	7.68
nC23	4.94	7.43	7.13	6.97	6.68
nC24	4.16	6.68	5.60	5.95	6.04
nC25	3.82	5.99	5.67	5.18	5.12
nC26	3.15	5.31	4.47	4.54	3.91
nC27	2.92	4.37	4.33	4.03	4.34
nC28	2.36	4.56	3.00	3.39	3.27
nC29	2.25	4.56	3.00	3.26	2.49
nC30	1.46	3.43	2.60	2.43	1.85
nC31	1.24	2.81	1.80	1.79	1.56
nC32	0.79	2.00	1.33	1.28	1.14
nC33	0.67	1.94	1.00	1.28	0.71
nC34	0.56	1.62	0.67	1.22	0.71
nC35	0.34	0.94	0.40	0.58	0.36
Paraffin	52.48	39.08	61.73	42.86	63.35
Isoprenoid	6.54	4.81	4.94	5.59	7.61
Naphtene	40.98	56.11	33.33	51.55	29.04
CPI 1 Index	1.02	1.00	1.10	1.04	1.00
CPI 2 Index	1.12	1.02	1.12	1.05	1.11
CPI 3 Index	1.06	0.89	1.16	1.02	1.21
Prist/Phytane	1.77	1.12	1.26	1.15	1.64
Prist/nC17	0.71	1.41	0.61	0.99	0.89
Phytane/nC18	0.51	1.03	0.42	0.83	0.45

$$C.P.I. 1 = \frac{1}{2} \frac{C_{21}+C_{23}+C_{25}+C_{27}}{C_{20}+C_{22}+C_{24}+C_{26}} + \frac{C_{21}+C_{23}+C_{25}+C_{27}}{C_{22}+C_{24}+C_{26}+C_{28}}$$

Job Number : 1675

$$C.P.I. 2 = \frac{1}{2} \frac{C_{25}+C_{27}+C_{29}+C_{31}}{C_{24}+C_{26}+C_{28}+C_{30}} + \frac{C_{25}+C_{27}+C_{29}+C_{31}}{C_{26}+C_{28}+C_{30}+C_{32}}$$

$$C.P.I. 3 = \frac{2x (C_{27})}{C_{26}+C_{28}}$$

CT – ditch cuttings CO – core SWC – sidewall core



TABLE 11  
COMPOSITION (NORMALISED %) OF C<sub>15+</sub> SATURATE (PARAFFIN – NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	026A	027A	028A	029A	030A
DEPTH	2044.75	2045.50	2046.50	2048.00	2049.00
SAMPLE TYPE	CORE	CORE	CORE	CORE	CORE
nC15	5.26	4.25	5.84	2.59	32.69
nC16	7.50	6.30	7.26	4.23	25.93
nC17	7.63	8.14	6.89	6.55	18.04
nC18	8.03	9.91	7.69	8.26	9.47
nC19	8.68	8.50	7.93	9.35	3.61
nC20	8.49	7.58	7.75	9.28	1.80
nC21	7.57	8.00	7.38	9.28	1.35
nC22	7.43	7.37	6.77	8.87	1.13
nC23	6.45	6.37	6.27	7.92	0.90
nC24	5.92	5.88	5.97	6.76	1.13
nC25	5.26	4.74	5.47	5.12	1.13
nC26	4.08	4.53	4.55	4.64	0.45
nC27	3.75	4.53	4.00	4.03	0.45
nC28	3.16	2.90	3.51	3.34	0.23
nC29	3.03	3.12	3.38	3.00	0.23
nC30	2.37	2.27	2.71	1.71	0.45
nC31	1.71	1.84	2.09	1.77	0.34
nC32	1.25	1.35	1.41	1.16	0.23
nC33	1.05	0.99	1.29	0.96	0.23
nC34	0.92	0.92	1.23	0.75	0.11
nC35	0.46	0.50	0.62	0.41	0.11
Paraffin	51.16	60.21	46.17	63.37	54.58
Isoprenoid	7.27	6.95	5.85	6.79	9.11
Naphthene	41.57	32.84	47.98	29.84	36.31
CPI 1 Index	1.00	1.04	1.02	1.00	1.08
CPI 2 Index	1.08	1.10	1.06	1.06	1.27
CPI 3 Index	1.04	1.22	0.99	1.01	1.33
Prist/Phytane	1.27	1.30	1.17	1.04	1.96
Prist/nC17	1.04	0.80	0.99	0.83	0.61
Phytane/nC18	0.78	0.51	0.76	0.64	0.60

$$C.P.I. 1 = \frac{1}{2} \frac{C_{21}+C_{23}+C_{25}+C_{27}}{C_{20}+C_{22}+C_{24}+C_{26}} + \frac{C_{21}+C_{23}+C_{25}+C_{27}}{C_{22}+C_{24}+C_{26}+C_{28}}$$

Job Number : 1675

$$C.P.I. 2 = \frac{1}{2} \frac{C_{25}+C_{27}+C_{29}+C_{31}}{C_{24}+C_{26}+C_{28}+C_{30}} + \frac{C_{25}+C_{27}+C_{29}+C_{31}}{C_{26}+C_{28}+C_{30}+C_{32}}$$

$$C.P.I. 3 = \frac{2x (C_{27})}{C_{26}+C_{28}}$$

CT – ditch cuttings CO – core SWC – sidewall core

TABLE 11  
COMPOSITION (NORMALISED %) OF C<sub>15+</sub> SATURATE (PARAFFIN – NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	031A	032A	033A	034A	035A
DEPTH	2051.00	2053.00	2054.00	2055.50	2056.50
SAMPLE TYPE	CORE	CORE	CORE	CORE	CORE
nC15	3.31	8.36	10.18	13.00	10.92
nC16	4.41	9.81	9.59	12.07	11.41
nC17	5.58	9.39	9.44	11.52	11.49
nC18	6.91	9.32	8.55	9.31	9.78
nC19	8.08	7.94	8.85	7.93	9.45
nC20	8.82	7.11	7.96	6.64	8.31
nC21	9.18	7.04	6.05	6.45	6.76
nC22	8.82	6.22	7.23	5.35	6.03
nC23	9.26	5.04	6.42	5.44	5.13
nC24	7.79	5.04	5.16	4.88	4.56
nC25	6.83	4.56	4.28	3.32	3.42
nC26	5.51	3.73	3.69	3.04	2.85
nC27	4.34	3.31	3.24	2.95	2.53
nC28	3.38	2.90	2.29	2.40	1.96
nC29	0.29	2.90	2.14	1.84	1.71
nC30	2.20	2.00	1.55	1.11	1.06
nC31	1.76	1.73	1.03	1.01	0.90
nC32	1.10	1.17	0.66	0.74	0.65
nC33	0.96	1.04	0.66	0.46	0.49
nC34	0.88	0.90	0.66	0.37	0.41
nC35	0.59	0.48	0.37	0.18	0.16
Paraffin	40.16	57.64	50.35	56.93	57.47
Isoprenoid	4.81	5.33	6.39	6.87	7.17
Naphthene	55.03	37.02	43.26	36.20	35.36
CPI 1 Index	1.06	1.01	0.96	1.04	0.99
CPI 2 Index	0.89	1.09	1.07	1.03	1.07
CPI 3 Index	0.98	1.00	1.09	1.08	1.05
Prist/Phytane	1.06	1.35	1.29	1.57	1.51
Prist/nC17	1.11	0.57	0.76	0.64	0.65
Phytane/nC18	0.84	0.42	0.65	0.50	0.51

$$C.P.I. 1 = \frac{1}{2} \frac{C_{21}+C_{23}+C_{25}+C_{27}}{C_{20}+C_{22}+C_{24}+C_{26}} + \frac{C_{21}+C_{23}+C_{25}+C_{27}}{C_{22}+C_{24}+C_{26}+C_{28}}$$

Job Number : 1675

$$C.P.I. 2 = \frac{1}{2} \frac{C_{25}+C_{27}+C_{29}+C_{31}}{C_{24}+C_{26}+C_{28}+C_{30}} + \frac{C_{25}+C_{27}+C_{29}+C_{31}}{C_{26}+C_{28}+C_{30}+C_{32}}$$

$$C.P.I. 3 = \frac{2x (C_{27})}{C_{26}+C_{28}}$$

CT – ditch cuttings CO – core SWC – sidewall core





TABLE 11  
COMPOSITION (NORMALISED %) OF C<sub>15+</sub> SATURATE (PARAFFIN – NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	036A	037A	038A	039A	040A
DEPTH	2057.50	2058.50	2059.50	2060.50	2060.75
SAMPLE TYPE	CORE	CORE	CORE	CORE	CORE
nC15	6.58	2.11	10.73	1.43	18.83
nC16	8.32	4.15	13.06	2.73	16.51
nC17	9.23	4.23	11.66	4.70	12.31
nC18	9.61	5.42	10.82	6.34	8.54
nC19	10.36	8.31	7.65	7.91	7.82
nC20	8.32	8.66	6.90	8.52	6.37
nC21	7.64	7.89	5.22	7.63	5.21
nC22	7.49	7.75	6.16	8.73	4.78
nC23	6.58	7.46	4.85	7.57	4.63
nC24	4.92	7.11	4.20	7.23	3.91
nC25	4.31	5.99	4.01	6.34	2.75
nC26	3.78	5.63	3.36	5.79	2.17
nC27	3.18	5.00	2.99	4.91	1.88
nC28	2.42	4.15	2.15	4.50	1.30
nC29	2.04	4.23	1.77	4.16	1.01
nC30	1.59	3.10	1.40	3.54	0.58
nC31	1.21	2.46	1.12	2.86	0.58
nC32	0.91	1.83	0.75	1.77	0.29
nC33	0.68	1.76	0.56	1.57	0.22
nC34	0.53	1.76	0.37	1.16	0.14
nC35	0.30	0.99	0.28	0.61	0.14
Paraffin	55.01	39.32	56.96	48.75	53.76
Isoprenoid	7.53	4.46	11.16	4.89	9.26
Naphthene	37.45	56.22	31.88	46.36	36.98
CPI 1 Index	1.03	0.99	0.95	0.94	1.02
CPI 2 Index	1.04	1.04	1.09	1.02	1.11
CPI 3 Index	1.02	1.02	1.08	0.95	1.08
Prist/Phytane	1.23	0.99	1.47	0.96	2.05
Prist/nC17	0.82	1.33	1.00	1.04	0.94
Phytane/nC18	0.64	1.05	0.73	0.81	0.66

$$C.P.I. 1 = \frac{1}{2} \frac{C_{21}+C_{23}+C_{25}+C_{27}}{C_{20}+C_{22}+C_{24}+C_{26}} + \frac{C_{21}+C_{23}+C_{25}+C_{27}}{C_{22}+C_{24}+C_{26}+C_{28}}$$

Job Number : 1675

$$C.P.I. 2 = \frac{1}{2} \frac{C_{25}+C_{27}+C_{29}+C_{31}}{C_{24}+C_{26}+C_{28}+C_{30}} + \frac{C_{25}+C_{27}+C_{29}+C_{31}}{C_{26}+C_{28}+C_{30}+C_{32}}$$

$$C.P.I. 3 = \frac{2x (C_{27})}{C_{26}+C_{28}}$$

CT – ditch cuttings CO – core SWC – sidewall core

TABLE 11  
COMPOSITION (NORMALISED %) OF C<sub>15</sub>+ SATURATE (PARAFFIN - NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	041A	042A	043A	044A	045A
DEPTH	2061.65	2062.25	2063.65	2065.00	2066.00
SAMPLE TYPE	CORE	CORE	CORE	CORE	CORE
nC15	30.94	4.05	7.60	3.81	4.14
nC16	25.71	5.78	10.27	6.13	7.50
nC17	18.30	6.04	10.74	7.08	8.54
nC18	9.80	7.32	10.97	8.51	8.86
nC19	3.49	8.16	9.01	9.05	7.96
nC20	1.53	8.22	7.84	8.10	7.24
nC21	0.87	7.45	6.74	7.56	8.02
nC22	0.65	7.58	5.80	7.15	7.31
nC23	0.65	6.94	5.09	6.19	6.21
nC24	0.65	6.49	4.78	6.06	5.37
nC25	0.87	5.65	3.92	4.83	5.05
nC26	0.65	5.14	3.76	4.29	4.79
nC27	0.65	4.11	2.74	4.77	3.88
nC28	1.09	3.79	2.66	3.61	4.01
nC29	1.09	3.60	2.35	3.47	2.59
nC30	0.65	2.76	1.65	2.72	2.52
nC31	0.65	2.12	1.41	2.31	2.01
nC32	0.44	1.41	1.10	1.57	1.42
nC33	0.44	1.41	0.71	1.23	1.23
nC34	0.44	1.28	0.55	0.95	0.78
nC35	0.44	0.71	0.31	0.61	0.58
Paraffin	54.58	46.73	56.44	50.69	54.69
Isoprenoid	10.34	6.30	9.51	7.04	8.35
Naphtene	35.08	46.97	34.06	42.27	36.97
CPI 1 Index	0.94	0.97	0.96	1.01	1.01
CPI 2 Index	1.11	1.02	0.97	1.09	0.94
CPI 3 Index	0.75	0.92	0.85	1.21	0.88
Prist/Phytane	2.22	1.19	1.34	1.22	1.41
Prist/nC17	0.71	1.21	0.90	1.08	1.05
Phytane/nC18	0.60	0.84	0.66	0.74	0.72

$$C.P.I. 1 = \frac{1}{2} \frac{C_{21}+C_{23}+C_{25}+C_{27}}{C_{20}+C_{22}+C_{24}+C_{26}} + \frac{C_{21}+C_{23}+C_{25}+C_{27}}{C_{22}+C_{24}+C_{26}+C_{28}}$$

Job Number : 1675

$$C.P.I. 2 = \frac{1}{2} \frac{C_{25}+C_{27}+C_{29}+C_{31}}{C_{24}+C_{26}+C_{28}+C_{30}} + \frac{C_{25}+C_{27}+C_{29}+C_{31}}{C_{26}+C_{28}+C_{30}+C_{32}}$$

$$C.P.I. 3 = \frac{2x (C_{27})}{C_{26}+C_{28}}$$

CT - ditch cuttings CO - core SWC - sidewall core



TABLE 11  
COMPOSITION (NORMALISED %) OF C<sub>15+</sub> SATURATE (PARAFFIN - NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	046A	047A	048A	049A	050A
DEPTH	2067.00	2068.00	2070.70	2071.50	2073.10
SAMPLE TYPE	CORE	CORE	CORE	CORE	CORE
nC15	5.24	1.34	16.74	31.71	20.35
nC16	6.73	4.03	16.97	26.05	20.35
nC17	6.52	4.18	14.84	16.53	15.01
nC18	6.73	5.75	10.68	9.06	11.40
nC19	8.65	8.51	9.14	3.40	5.92
nC20	8.15	8.51	5.10	2.04	4.33
nC21	6.95	8.14	4.04	1.36	3.61
nC22	6.73	8.74	3.56	1.59	3.46
nC23	6.38	7.39	2.73	1.13	2.31
nC24	6.02	6.50	2.37	1.13	2.31
nC25	5.32	6.27	2.37	0.91	2.02
nC26	4.39	5.08	2.14	0.91	1.59
nC27	4.18	4.63	2.26	0.91	1.59
nC28	3.69	4.48	1.66	0.91	1.01
nC29	3.69	3.96	2.14	0.68	1.30
nC30	2.91	3.36	1.19	0.45	1.01
nC31	2.34	2.91	1.07	0.45	1.01
nC32	1.63	1.79	0.47	0.23	0.58
nC33	1.49	1.79	0.36	0.23	0.43
nC34	1.42	1.64	0.12	0.23	0.29
nC35	0.85	0.97	0.06	0.11	0.14
Paraffin	37.42	36.82	57.88	55.15	54.96
Isoprenoid	4.77	4.62	11.20	12.37	9.75
Napthene	57.81	58.56	30.92	32.48	35.29
CPI 1 Index	1.00	0.99	1.02	0.86	0.98
CPI 2 Index	1.07	1.06	1.25	1.02	1.21
CPI 3 Index	1.04	0.97	1.19	1.00	1.22
Prist/Phytane	0.98	0.98	2.08	2.41	1.86
Prist/nC17	0.97	1.48	0.88	0.96	0.77
Phytane/nC18	0.96	1.10	0.59	0.73	0.54

$$C.P.I. 1 = \frac{1}{2} \frac{C_{21}+C_{23}+C_{25}+C_{27}}{C_{20}+C_{22}+C_{24}+C_{26}} + \frac{C_{21}+C_{23}+C_{25}+C_{27}}{C_{22}+C_{24}+C_{26}+C_{28}}$$

Job Number : 1675

$$C.P.I. 2 = \frac{1}{2} \frac{C_{25}+C_{27}+C_{29}+C_{31}}{C_{24}+C_{26}+C_{28}+C_{30}} + \frac{C_{25}+C_{27}+C_{29}+C_{31}}{C_{26}+C_{28}+C_{30}+C_{32}}$$

$$C.P.I. 3 = \frac{2x (C_{27})}{C_{26}+C_{28}}$$

CT - ditch cuttings CO - core SWC - sidewall core



TABLE 11  
COMPOSITION (NORMALISED %) OF C<sub>15+</sub> SATURATE (PARAFFIN - NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	051A	052A	053A	054A	055A
DEPTH	2075.50	2077.50	2079.00	2081.50	2082.00
SAMPLE TYPE	CORE	CORE	CORE	CORE	CORE
nC15	29.35	0.99	4.54	5.91	3.66
nC16	24.74	1.42	5.77	7.38	5.77
nC17	14.26	2.91	5.41	7.62	6.94
nC18	9.22	5.61	7.14	7.99	7.56
nC19	3.77	7.46	9.08	7.99	8.06
nC20	3.35	9.66	8.36	7.68	7.56
nC21	1.89	9.38	8.07	7.13	7.50
nC22	1.89	8.81	7.86	6.28	6.51
nC23	1.68	8.03	6.63	5.61	6.20
nC24	1.47	7.32	5.91	5.06	5.89
nC25	1.05	6.18	5.62	5.73	5.21
nC26	0.84	5.61	4.61	4.82	4.96
nC27	1.05	4.62	4.11	3.84	4.90
nC28	0.63	4.19	3.60	3.54	4.28
nC29	0.84	4.26	3.10	2.99	3.97
nC30	0.63	3.55	2.88	2.99	3.04
nC31	1.26	3.27	2.31	2.56	2.85
nC32	0.63	2.49	1.59	1.59	1.92
nC33	0.63	1.92	1.44	1.46	1.43
nC34	0.42	1.42	1.23	1.10	1.12
nC35	0.42	0.92	0.72	0.73	0.68
Paraffin	49.84	57.61	40.23	47.43	50.08
Isoprenoid	9.40	3.93	5.54	6.88	6.77
Naphtene	40.75	38.46	54.23	45.69	43.15
CPI 1 Index	0.96	0.99	1.01	1.03	1.03
CPI 2 Index	1.36	1.02	1.04	1.05	1.06
CPI 3 Index	1.43	0.94	1.00	0.92	1.06
Prist/Phytane	2.10	0.81	1.15	1.20	1.20
Prist/nC17	0.90	1.05	1.36	1.04	1.06
Phytane/nC18	0.66	0.67	0.90	0.82	0.81

$$C.P.I. 1 = \frac{1}{2} \frac{C_{21}+C_{23}+C_{25}+C_{27}}{C_{20}+C_{22}+C_{24}+C_{26}} + \frac{C_{21}+C_{23}+C_{25}+C_{27}}{C_{22}+C_{24}+C_{26}+C_{28}}$$

Job Number : 1675

$$C.P.I. 2 = \frac{1}{2} \frac{C_{25}+C_{27}+C_{29}+C_{31}}{C_{24}+C_{26}+C_{28}+C_{30}} + \frac{C_{25}+C_{27}+C_{29}+C_{31}}{C_{26}+C_{28}+C_{30}+C_{32}}$$

$$C.P.I. 3 = \frac{2x (C_{27})}{C_{26}+C_{28}}$$

CT - ditch cuttings CO - core SWC - sidewall core

TABLE 11  
COMPOSITION (NORMALISED %) OF C<sub>15+</sub> SATURATE (PARAFFIN - NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	056A	057A	058A	059A	060A
DEPTH	2083.40	2085.70	2089.00	2090.50	2091.50
SAMPLE TYPE	CORE	CORE	CORE	CORE	CORE
nC15	21.46	4.48	24.86	7.19	0.67
nC16	19.28	6.03	16.51	8.16	2.89
nC17	13.06	8.35	10.76	11.81	6.45
nC18	11.04	10.82	7.24	15.59	10.01
nC19	8.24	10.74	4.08	14.62	12.13
nC20	4.67	10.82	3.15	12.91	13.38
nC21	3.58	8.27	3.15	8.04	10.68
nC22	2.33	7.96	2.97	4.99	9.43
nC23	2.49	6.65	2.78	3.17	7.89
nC24	2.02	5.33	2.41	2.19	6.16
nC25	2.02	4.95	2.23	1.46	4.91
nC26	1.56	3.86	2.04	1.58	3.75
nC27	1.87	2.70	1.86	1.46	2.69
nC28	1.40	2.32	1.48	1.95	2.41
nC29	2.02	2.01	2.23	1.10	1.92
nC30	1.01	1.47	2.23	0.73	1.44
nC31	0.93	1.31	2.97	0.85	1.15
nC32	0.39	0.77	2.23	0.49	0.77
nC33	0.31	0.54	2.23	0.61	0.58
nC34	0.16	0.39	1.30	0.49	0.38
nC35	0.16	0.23	1.30	0.61	0.29
Paraffin	55.15	56.51	49.36	39.99	61.37
Isoprenoid	11.84	7.25	8.06	6.43	5.55
Naphthene	33.02	36.24	42.58	53.58	33.08
CPI 1 Index	1.15	0.98	1.04	0.98	1.00
CPI 2 Index	1.36	1.07	1.15	0.89	1.03
CPI 3 Index	1.26	0.88	1.05	0.83	0.88
Prist/Phytane	2.29	1.31	2.26	1.32	0.88
Prist/nC17	1.14	0.87	1.05	0.77	0.66
Phytane/nC18	0.59	0.51	0.69	0.45	0.48

$$C.P.I. 1 = \frac{1}{2} \frac{C_{21}+C_{23}+C_{25}+C_{27}}{C_{20}+C_{22}+C_{24}+C_{26}} + \frac{C_{21}+C_{23}+C_{25}+C_{27}}{C_{22}+C_{24}+C_{26}+C_{28}}$$

Job Number : 1675

$$C.P.I. 2 = \frac{1}{2} \frac{C_{25}+C_{27}+C_{29}+C_{31}}{C_{24}+C_{26}+C_{28}+C_{30}} + \frac{C_{25}+C_{27}+C_{29}+C_{31}}{C_{26}+C_{28}+C_{30}+C_{32}}$$

$$C.P.I. 3 = \frac{2x (C_{27})}{C_{26}+C_{28}}$$

CT - ditch cuttings CO - core SWC - sidewall core



TABLE 11  
COMPOSITION (NORMALISED %) OF C<sub>15+</sub> SATURATE (PARAFFIN - NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	061A	062A
DEPTH	2092.50	2097.70
SAMPLE TYPE	CORE	CORE
nC15	6.89	36.01
nC16	12.68	19.06
nC17	14.87	10.29
nC18	14.32	8.17
nC19	13.67	4.24
nC20	10.72	3.93
nC21	8.09	3.03
nC22	5.03	3.03
nC23	3.28	2.72
nC24	2.52	2.12
nC25	2.08	2.12
nC26	1.53	1.21
nC27	1.31	1.21
nC28	0.98	0.91
nC29	0.77	0.61
nC30	0.44	0.30
nC31	0.33	0.45
nC32	0.11	0.15
nC33	0.16	0.15
nC34	0.11	0.15
nC35	0.11	0.15
Paraffin	49.77	45.93
Isoprenoid	6.69	5.42
Naphtene	43.54	48.64
CPI 1 Index	1.11	1.07
CPI 2 Index	1.14	1.34
CPI 3 Index	1.04	1.14
Prist/Phytane	1.37	2.55
Prist/nC17	0.52	0.82
Phytane/nC18	0.40	0.41

$$C.P.I. 1 = \frac{1}{2} \frac{C_{21}+C_{23}+C_{25}+C_{27}}{C_{20}+C_{22}+C_{24}+C_{26}} + \frac{C_{21}+C_{23}+C_{25}+C_{27}}{C_{22}+C_{24}+C_{26}+C_{28}}$$

Job Number : 1675

$$C.P.I. 2 = \frac{1}{2} \frac{C_{25}+C_{27}+C_{29}+C_{31}}{C_{24}+C_{26}+C_{28}+C_{30}} + \frac{C_{25}+C_{27}+C_{29}+C_{31}}{C_{26}+C_{28}+C_{30}+C_{32}}$$

$$C.P.I. 3 = \frac{2x (C_{27})}{C_{26}+C_{28}}$$

CT - ditch cuttings CO - core SWC - sidewall core