

CONTENTS

WELL: 7219/9-1 AND SIDETRACK

TABLES

1. Gross lithologic descriptions
2. Organic carbon results
3. Standard pyrolysis results - 300°C, 180 secs - unextracted samples
4. Detailed gasoline (C₄-C₇) analysis - peak areas
5. Concentration (ppm) of extracted C₁₅₊ material
6. Composition (norm. %) of C₁₅₊ material
7. Significant ratios (%) of C₁₅₊ fractions and organic carbon
8. Composition (norm. %) of C₁₅₊ saturated hydrocarbons

FIGURES

1. C₄-C₇ chromatograms
2. C₁₅₊ paraffin-naphthene chromatograms
3. C₄-C₂₀ chromatograms

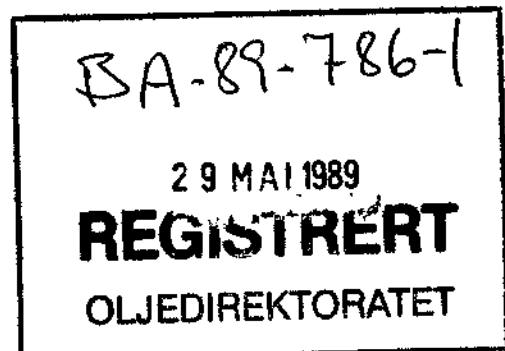


TABLE 1
ORGANIC CARBON RESULTS AND GROSS LITHOLOGIC DESCRIPTIONS

1945			G S A	TOTAL ORGANIC
GEOCHEM SAMPLE NUMBER	DEPTH/ IDENTITY	GROSS LITHOLOGIC DESCRIPTION	COLOUR CODE	CARBON (Wt. % of Rock)
<u>WELL: 7219/9-1</u>				
1945-001	2117m	A 85% SHALE - platy to blocky, fissile, non-calcareous, mod soft, moderate cavings, dark grey to medium dark grey.	N3 N4	-
		B 14% SANDSTONE - unconsolidated, pale yellowish brown.	10YR6/2	
		C 1% Minor coal.		
1945-002	2120m	A 85% SHALE - as 1945-001A, dark grey to medium dark grey.	N3 N4	-
		B 15% SANDSTONE - as 1945-001B, pale yellowish brown.	10YR6/2	
1945-003	2122m	A 78% SHALE - as 1945-001A, abundant cavings, dark grey to medium dark grey.	N3 N4	-
		B 20% SANDSTONE - as 1945-001B, pale yellowish brown.	10YR6/2	
		C 2% Minor salt, trace of coal.		
1945-004	2125m	A 80% SHALE - mostly blocky, mod hard, non-calcareous, moderate cavings, dark grey to medium grey.	N3 N5	-
		B 20% SANDSTONE - partially unconsolidated, coarse grained, non-calcareous, gold to yellow F, rapid blooming milky cut, pinkish grey.	5YR8/1	
1945-005	2127m	A 60% SHALE - as 1945-004A, dark grey to medium grey.	N3 N5	-
		B 39% SANDSTONE - as 1945-004B, pinkish grey.	5YR8/1	
		C 1% Minor salt.		
1945-006	2130m	A 50% SHALE - as 1945-004A, dark grey to medium grey.	N3 N5	-
		B 50% SANDSTONE - as 1945-004B, pinkish grey.	5YR8/1	
1945-007	2132m	A 70% SANDSTONE - partially unconsolidated, medium to coarse grained, non-calcareous, gold to yellow F, rapid blooming milky cut, light brownish grey.	5YR6/1	
		B 30% SHALE - as 1945-004A, dark grey to medium grey.	N3 N5	-
1945-008	2135m	A 65% SANDSTONE - as 1945-007A, light brownish grey.	5YR6/1	
		B 20% SHALE - as 1945-004A, dark grey to medium grey.	N3 N5	-

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

TABLE 1
ORGANIC CARBON RESULTS AND GROSS LITHOLOGIC DESCRIPTIONS

B 1945 GEOCHEM SAMPLE NUMBER	DEPTH/ IDENTITY	GROSS LITHOLOGIC DESCRIPTION	G S A COLOUR CODE	TOTAL ORGANIC CARBON (Wt.% of Rock)
		C 14% MUDSTONE - blocky, soft, non-calcareous, light brownish grey.	5YR6/1	
		D 1% Trace coal.		
1945-009	2137m	A 60% SANDSTONE - as 1945-007A, light brownish grey.	5YR6/1	
		B 25% MUDSTONE - as 1945-008C, light brownish grey.	5YR6/1	
		C 15% SHALE - as 1945-004A, dark grey to medium grey.	N3 N5	-
1945-010	2140m	A 45% MUDSTONE - as 1945-008C, light brownish grey.	5YR6/1	
		B 40% SANDSTONE - as 1945-007A, light brownish grey.	5YR6/1	
		C 15% SHALE - as 1945-004A, dark grey to medium grey.	N3 N5	-
1945-011	2142m	A 45% MUDSTONE - blocky, mod soft, non-calcareous, brownish grey to light brownish grey.	5YR4/1 5YR6/1	-
		B 40% SANDSTONE - as 1945-007A, light brownish grey.	5YR6/1	
		C 14% SHALE - as 1945-004A, dark grey to medium grey.	N3 N5	-
		D 1% TRACE - coal.		
1945-012	2145m	A 35% MUDSTONE - blocky, mod soft, silty in parts, non-calcareous, brownish grey to light brownish grey.	5YR4/1 5YR6/1	-
		B 35% SANDSTONE - as 1945-007A, light brownish grey.	5YR6/1	
		C 29% SHALE - as 1945-004A, dark grey to medium grey.	N3 N5	-
		D 1% Trace coal.		
1945-013	2147m	A 45% SHALE - as 1945-004A, abundant cavings, dark grey to medium grey.	N3 N5	-
		B 40% SANDSTONE - as 1945-007, abundant cavings, light brownish grey.	5YR6/1	
		C 14% MUDSTONE - as 1945-012A, brownish grey to light brownish grey.	5YR4/1 5YR6/1	-
		D 1% Trace coal and salt.		
1945-014	2150m	A 45% SHALE - as 1945-004A, dark grey to medium grey.	N3 N5	-
		B 35% SANDSTONE - as 1945-007A, light brownish grey.	5YR6/1	
		C 19% MUDSTONE - as 1945-012A, brownish grey to light brownish grey.	5YR4/1 5YR6/1	-
		D 1% Trace coal.		

TABLE 1
ORGANIC CARBON RESULTS AND GROSS LITHOLOGIC DESCRIPTIONS

YB 1945 GEOCHEM SAMPLE NUMBER	DEPTH/ IDENTITY	GROSS LITHOLOGIC DESCRIPTION	G S A COLOUR CODE	TOTAL ORGANIC CARBON (Wt.% of Rock)
1945-015	2152m	A 45% SHALE - blocky to platy, mod hard, fissile, non-calcareous, coaly in part, greyish black to dark grey. B 30% SANDSTONE - as 1945-007A, light brownish grey. C 25% MUDSTONE - as 1945-012A, brownish grey to light brownish grey.	N2 N3 5YR6/1 5YR4/1 - 5YR6/1	-
1945-016	2155m	A 50% SHALE - fissile, mod hard, non-calcareous, dark grey. B 48% SANDSTONE - fine to medium grained, subangular, fairly well sorted, yellow F, milky cut, very light grey to pale orange. C 2% Minor mudstone.	N3 N8 10YR7/2	-
1945-017	2157m	A 55% SHALE - as 1945-016A, sig cav, dark grey. B 43% SANDSTONE - as 1945-016B, yellow F, milky cut, very light grey to pale orange. C 2% Minor mudstone.	N3 N8 10YR7/2	-
1945-018	2160m	A 60% SHALE - as 1945-016A, dark grey. B 40% SANDSTONE - very fine to medium grained, occ silty, subangular, fairly well sorted, yellow F, milky cut, pale orange to very light grey.	N3 10YR7/2- N8	
1945-019	2162m	A 40% SANDSTONE - often unconsolidated, very fine to medium grained, subangular, fairly well sorted, yellow F, milky cut, very light grey to greyish orange pink. B 30% SHALE - fissile, mod hard, non-calcareous, dark grey. C 30% SHALY MUDSTONE - subfissile to platy, mod hard, non-calcareous, sl silty, very dark yellowish brown	N8 5YR7/2 N3 10YR3/2	-
1945-020	2165m	A 50% SANDSTONE - as 1945-019A, yellow F, milky cut, very light grey to greyish orange pink. B 30% SHALY MUDSTONE - as 1945-019C, very dark yellowish brown. C 20% SHALE - as 1945-019B, dark grey.	N8 5YR7/2 10YR3/2 N3	-
1945-021	2167m	A 40% SHALY MUDSTONE - as 1945-019B, very dark yellowish brown. B 30% SHALE - as 1945-019C, dark grey.	10YR3/2 N3	

TABLE 1
ORGANIC CARBON RESULTS AND GROSS LITHOLOGIC DESCRIPTIONS

B 1945				
GEOCHEM SAMPLE NUMBER	DEPTH/ IDENTITY	GROSS LITHOLOGIC DESCRIPTION	G S A COLOUR CODE	TOTAL ORGANIC CARBON (Wt.% of Rock)
		C 30% SANDSTONE - as 1945-019A, yellow F, milky cut, very light grey to greyish orange pink.	N8 5YR7/2	-
1945-022	2170m	A 50% SANDSTONE - as 1945-019A, yellow F, milky cut, very light grey to greyish orange pink.	N8 5YR7/2	-
		B 40% SHALY MUDSTONE - silty in part, subfissile to platy, mod hard, non-calcareous, very dark yellowish brown to medium yellowish brown.	10YR3/2- 10YR5/2	
		C 10% SHALE - as 1945-019B, dark grey.	N3	
5-023	2172m	A 70% SANDSTONE - generally unconsolidated, very fine to coarse grained, subangular, fairly well sorted, yellow F, milky cut, pale orange to very light grey.	10YR7/2- N8	
		B 25% SHALE - fissile, mod hard, non-calcareous, dark grey.	N3	
		C 5% SHALY MUDSTONE - subfissile to platy, mod hard, non-calcareous, sl silty, very dark yellowish brown to medium yellowish brown.	10YR3/2- 10YR5/2	
1945-024	2175m	A 70% SANDSTONE - as 1945-023A, pale yellow F, milky cut, pale orange to very light grey.	10YR7/2- N8	
		B 20% SHALE - as 1945-023B, dark grey.	N3	
		C 10% SHALY MUDSTONE - as 1945-023C, very dark yellowish brown to medium yellowish brown.	10YR3/2- 10YR5/2	
1945-025	2177m	A 85% SANDSTONE - as 1945-023A, yellow F, milky cut, pale orange to very light grey.	10YR7/2- N8	
		B 10% SHALE - as 1945-023B, dark grey.	N3	
		C 5% SHALY MUDSTONE - as 1945-023C, very dark yellowish brown to medium yellowish brown.	10YR3/2- 10YR5/2	
1945-026	2180m	A 80% SANDSTONE - as 1945-023A, yellow F, milky cut, pale orange to very light grey.	10YR7/2- N8	
		B 10% SHALY MUDSTONE - subfissile to platy, mod hard, non-calcareous, sl silty, very dark yellowish brown to pale yellowish brown.	10YR3/2- 10YR6/2	
		C 10% SHALE - as 1945-023B, dark grey.	N3	

TABLE 1
ORGANIC CARBON RESULTS AND GROSS LITHOLOGIC DESCRIPTIONS

VB 1945 GEOCHEM SAMPLE NUMBER	DEPTH/ IDENTITY	GROSS LITHOLOGIC DESCRIPTION	G S A COLOUR CODE	TOTAL ORGANIC CARBON (Wt. % of Rock)
1945-027	2182m	A 70% SANDSTONE - generally unconsolidated, very fine to coarse grained, subangular, mod to fairly well sorted, yellow F, milky cut, very pale orange to white.	10YR8/2- N9	
		B 15% SILTSTONE - platy, mod hard, non-calcareous, pale yellowish brown to light grey.	10YR6/2- N7	
		C 15% SHALE - fissile, mod hard, non-calcareous, dark grey.	N3	
1. 5-028	2185m	A 75% SANDSTONE - as 1945-027A, pale yellow F, milky cut, very pale orange to white.	10YR8/2- N9	
		B 15% SHALE - as 1945-027C, dark grey.	N3	
		C 10% SILTSTONE - as 1945-027B, pale yellowish brown to light grey.	10YR6/2- N7	
1945-029	2187m	A 60% SILTSTONE - platy, mod hard, sl calcareous, muddy in part, pale orange to very light grey.	10YR7/2- N8	
		B 20% SHALE - fissile, mod hard, non-calcareous, dark grey.	N3	
		C 20% SANDSTONE - generally unconsolidated, very fine to coarse grained, subangular, mod sorted, yellow F, milky cut, pale orange to very light grey.	10YR7/2- N8	
1945-030	2190m	A 55% SILTSTONE - as 1945-029A, pale orange to very light grey.	10YR7/2- N8	
		B 25% SHALE - as 1945-029B, dark grey.	N3	
		C 20% SANDSTONE - as 1945-029C, yellow F, milky cut, pale orange to very light grey.	10YR7/2- N8	
1945-031	2192m	A 80% SILTSTONE - platy, mod hard, sl calc, occ grading to SANDSTONE - fine grained, subangular, fairly well sorted, yellow F, milky cut, pale yellowish brown to very pale orange.	10YR6/2- 10YR8/2	
		B 20% SHALE - AS 1945-029B, dark grey.	N3	
1945-032	2195m	A 70% SILTSTONE - as 1945-031A, yellow F, milky cut, pale yellowish brown to very pale orange.	10YR6/2- 10YR8/2	
		B 30% SHALE - as 1945-029B, dark grey.	N3	
1945-033	2197m	A 60% SILTSTONE - platy, mod hard, sl calcareous, medium yellowish brown to very light grey.	10YR5/2- N8	

TABLE 1
ORGANIC CARBON RESULTS AND GROSS LITHOLOGIC DESCRIPTIONS

B 1945				
GEOCHEM SAMPLE NUMBER	DEPTH/ IDENTITY	GROSS LITHOLOGIC DESCRIPTION	G S A COLOUR CODE	TOTAL ORGANIC CARBON (Wt.% of Rock)
		B 35% SHALE - fissile, mod hard, non-calcareous, dark grey.	N3	
		C 5% SANDSTONE - very fine to medium grained, subangular, fairly well sorted, yellow F, milky cut, very pale orange.	10YR8/2	
1945-034	2200m	A 45% SANDSTONE - unconsolidated in part, very fine to mod grained, subangular, fairly well sorted, yellow F, milky cut, pale orange to very pale orange.	10YR7/2- 10YR8/2	
		B 35% SHALE - as 1945-033B, dark grey.	N3	
		C 20% SILTSTONE - muddy in part, platy to subplaty, mod hard, non-calcareous, very dark yellowish brown to medium yellowish brown.	10YR3/2- 10YR5/2	
1945-035	2202m	A 40% SANDSTONE - as 1945-034A, yellow F, milky cut, pale orange to very pale orange.	10YR7/2- 10YR8/2	
		B 35% SHALE - as 1945-034B, dark grey.	N3	
		C 25% SILTSTONE - as 1945-034C, very dark yellowish brown to medium yellowish brown.	10YR3/2- 10YR5/2	
1945-036	2205m	A 50% SANDSTONE - as 1945-034A, yellow F, milky cut, pale orange to very pale orange.	10YR7/2- 10YR8/2	
		B 30% SHALE - as 1945-034B, dark grey.	N3	
		C 20% SILTSTONE - as 1945-034C, very dark yellowish brown to medium yellowish brown.	10YR3/2- 10YR5/2	
1945-037	2207m	A 60% SANDSTONE - unconsolidated in part, very fine to fine grained, subangular, fairly well sorted, yellow F, milky cut, very pale orange.	10YR8/2	
		B 40% SHALE - fissile, mod hard, non-calcareous, dark grey.	N3	
1945-038	2210m	A 55% SANDSTONE - as 1945-037A, yellow F, milky cut, very pale orange.	10YR8/2	
		B 45% SHALE - as 1945-037B, dark grey.	N3	
1945-039	2212m	A 55% SANDSTONE - as 1945-037A, yellow F, milky cut, very pale orange.	10YR8/2	
		B 45% SHALE - as 1945-037B, dark grey.	N3	
1945-040	2215m	A 55% SHALE - as 1945-037B, dark grey.	N3	
		B 45% SANDSTONE - as 1945-037A, yellow F, milky cut, very pale orange.	10YR8/2	

TABLE 1
ORGANIC CARBON RESULTS AND GROSS LITHOLOGIC DESCRIPTIONS

B 1945				
GEOCHEM SAMPLE NUMBER	DEPTH/ IDENTITY	GROSS LITHOLOGIC DESCRIPTION	G S A COLOUR CODE	TOTAL ORGANIC CARBON (Wt.% of Rock)
1945-041	2217m	A 60% SANDSTONE - very fine to fine grnd, subangular, fairly well sorted, occ grading to SILTSTONE, yellow F, milky cut, very pale orange.	10YR8/2	
		B 40% SHALE - fissile, mod hard, non-calcareous, dark grey.	N3	
1945-042	2220m	A 55% SANDSTONE - as 1945-041A, yellow F, milky cut, very pale orange.	10YR8/2	
		B 45% SHALE - as 1945-041B, dark grey.	N3	
1945-043	2222m	A 70% SANDSTONE - as 1945-041A, yellow F, milky cut, very pale orange.	10YR8/2	
		B 30% SHALE - as 1945-041B, dark grey.	N3	
1945-044	2225m	A 50% SANDSTONE - as 1945-041A, yellow F, milky cut, very pale orange.	10YR8/2	
		B 50% SHALE - as 1945-041B, dark grey.	N3	
1945-045	2227m	A 60% SANDSTONE - very fine to fine grained, subangular, fairly well sorted, pale yellow F, milky cut, very pale orange.	10YR8/2	
		B 40% SHALE - fissile, mod hard, non-calcareous, dark grey.	N3	
1945-046	2230m	A 60% SANDSTONE - as 1945-045A, yellow F, milky cut, very pale orange.	10YR8/2	
		B 40% SHALE - as 1945-045B, dark grey.	N3	
1945-047	2232m	A 50% SANDSTONE - as 1945-045A, yellow F, milky cut, very pale orange.	10YR8/2	
		B 50% SHALE - AS 1945-045B, dark grey.	N3	
1945-048	2235m	A 65% SANDSTONE - as 1945-045A, yellow F, milky cut, very pale orange.	10YR8/2	
		B 35% SHALE - as 1945-045B, dark grey.	N3	
1945-049	2237m	A 55% SANDSTONE - as 1945-045A, yellow F, milky cut, very pale orange.	10YR8/2	
		B 45% SHALE - as 1945-045B, dark grey.	N3	
1945-050	2240m	A 55% SHALE - fissile, mod hard, non-calcareous, dark grey.	N3	
		B 45% SANDSTONE - very fine to fine grained, subangular, fairly well sorted, yellow F, milky cut, very pale orange.	10YR8/2	
1945-051	2242m	A 60% SHALE - as 1945-045B, dark grey.	N3	

TABLE 1
ORGANIC CARBON RESULTS AND GROSS LITHOLOGIC DESCRIPTIONS

B 1945				
GEOCHEM SAMPLE NUMBER	DEPTH/ IDENTITY	GROSS LITHOLOGIC DESCRIPTION	G S A COLOUR CODE	TOTAL ORGANIC CARBON (Wt.% of Rock)
		B 40% SANDSTONE - as 1945-050B yellow F, milky cut, very pale orange.	10YR8/2	
1945-052	2245m	A 50% SHALE - as 1945-045B, dark grey. B 50% SANDSTONE - as 1945-050B, yellow F, milky cut, very pale orange.	N3 10YR8/2	
1945-053	2247m	A 60% SHALE - as 1945-045B, dark grey. B 40% SANDSTONE - as 1945-050B, yellow F, milky cut, very pale orange.	N3 10YR8/2	
1945-054	2250m	A 65% SANDSTONE - very fine to fine grained, subangular, fairly well sorted, yellow F, milky cut, pale orange to very pale orange. B 35% SHALE - fissile, mod hard, non- calcareous, dark grey.	10YR7/2- 10YR8/2 N3	
1945-055	2252m	A 60% SANDSTONE - as 1945-054A, pale yellow F, milky cut, pale orange to very pale orange. B 40% SHALE - as 1945-054B, dark grey.	10YR7/2- 10YR8/2 N3	
1945-056	2255m	A 55% SANDSTONE - as 1945-054A, pale yellow F, milky cut, pale orange to very pale orange. B 45% SHALE - as 1945-054B, dark grey.	10YR7/2- 10YR8/2 N3	
1945-057	2257m	A 60% SANDSTONE - as 1945-054A, pale yellow F, milky cut, pale orange to very pale orange. B 40% SHALE - as 1945-054B, dark grey.	10YR7/2- 10YR8/2 N3	
1945-058	2260m	A 95% SHALE - as 1945-054B, dark grey. B 5% SANDSTONE - as 1945-054A, pale yellow F, milky cut, pale orange to very pale orange.	N3 10YR7/2- 10YR8/2	
1945-059	2262m	A 95% SHALE - fissile, mod hard, non- calcareous, dark grey. B 5% SANDSTONE - very fine to medium grained, subangular, fairly well sorted, pale yellow F, milky cut, very pale orange.	N3 10YR8/2	
1945-060	2265m	A 95% SHALE - as 1945-059A, dark grey. B 5% SANDSTONE - as 1945-059B, pale yellow F, milky cut, very pale orange.	N3 10YR8/2	
1945-061	2267m	A 95% SHALE - as 1945-059A, dark grey.	N3	

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

TABLE 1
ORGANIC CARBON RESULTS AND GROSS LITHOLOGIC DESCRIPTIONS

B 1945 GEOCHEM SAMPLE NUMBER	DEPTH/ IDENTITY	GROSS LITHOLOGIC DESCRIPTION	G S A COLOUR CODE	TOTAL ORGANIC CARBON (Wt.% of Rock)
		B 5% SANDSTONE - as 1945-059B, pale yellow F, milky cut, very pale orange.	10YR8/2	
1945-062	2270m	A 90% SHALE - fissile, mod hard, non-calcareous, sig cav, dark grey. B 10% SANDSTONE - generally unconsolidated, fine to medium grained, sub-angular, fairly well sorted, pale yellow F, milky cut, very pale orange to pale orange.	N3 10YR8/2- 10YR7/2	
1945-063	2272m	A 65% SHALE - as 1945-062A, dark grey. B 35% SANDSTONE - as 1945-062B, yellow F, milky cut, very pale orange to pale orange.	N3 10YR8/2- 10YR7/2	
1945-064	2275m	A 65% SHALE - as 1945-062A, dark grey. B 35% SANDSTONE - as 1945-062B, yellow F, milky cut, very pale orange to pale orange.	N3 10YR8/2- 10YR7/2	
1945-065	2277m	A 65% SHALE - as 1945-062A, sig cav, dark grey. B 35% SANDSTONE - as 1945-062B, yellow F, milky cut, very pale orange to pale orange.	N3 10YR8/2- 10YR7/2	
1945-066	2280m	A 85% SHALE - as 1945-062A, dark grey. B 15% SANDSTONE - as 1945-062B, yellow F, milky cut, very pale orange to pale orange.	N3 10YR8/2- 10YR7/2	
1945-067	2282m	A 55% SHALE - fissile, mod hard, non-calcareous, dark grey. B 45% SANDSTONE - fine grained, sub-angular, fairly well sorted, pale yellow F, milky cut, pale orange to very pale orange.	N3 10YR7/2- 10YR8/2	
1945-068	2285m	A 60% SHALE - as 1945-067A, sig cav, dark grey. B 40% SANDSTONE - as 1945-067B, yellow F, milky cut, pale orange to very pale orange.	N3 10YR7/2- 10YR8/2	
1945-069	2287m	A 65% SHALE - fissile, mod hard, non-calcareous, sig cav, dark grey. B 35% SANDSTONE - unconsolidated in part, fine to medium grained, subangular, fairly well sorted, yellow F, milky cut, very pale orange.	N3 10YR8/2	

TABLE 1
ORGANIC CARBON RESULTS AND GROSS LITHOLOGIC DESCRIPTIONS

B 1945 GEOCHEM SAMPLE NUMBER	DEPTH/ IDENTITY	GROSS LITHOLOGIC DESCRIPTION	G S A COLOUR CODE	TOTAL ORGANIC CARBON (Wt.% of Rock)
1945-070	2290m	A 60% SHALE - as 1945-069A, dark grey. B 40% SANDSTONE - as 1945-069B, yellow F, milky cut, very pale orange.	N3 10YR8/2	
1945-071	2292m	A 50% SHALE - as 1945-069A, sig cav, dark grey. B 40% SANDSTONE - as 1945-069B, yellow F, milky cut, very pale orange. C 10% CARBONACEOUS SHALE - subfissile, mod hard, non-calcareous, greyish black.	N3 10YR8/2 N2	
1945-072	2295m	A 45% SHALE - as 1945-069A, sig cav, dark grey. B 35% SANDSTONE - as 1945-069B, yellow F, milky cut, very pale orange. C 20% CARBONACEOUS SHALE - as 1945-071C, greyish black.	N3 10YR8/2 N2	
1945-073	2297m	A 60% SHALE - as 1945-069A, sig cav, dark grey. B 30% SANDSTONE - as 1945-069B, yellow F, milky cut, very pale orange. C 10% CARBONACEOUS SHALE - as 1945-071C, greyish black.	N3 10YR8/2 N2	
1945-074	2300m	A 45% SHALE - fissile, mod hard, non- calcareous, dark grey. B 40% SANDSTONE - fine to medium grained, subangular, fairly well sorted, yellow F, milky cut, very pale orange. C 15% CARBONACEOUS SHALE - as 1945-071C, greyish black.	N3 10YR8/2 N2	
1945-075	2302m	A 75% SANDSTONE - as 1945-074B, pale yellow F, milky cut, very pale orange. B 15% SHALE - as 1945-074A, dark grey. C 10% CARBONACEOUS SHALE - as 1945-071C, greyish black.	10YR8/2 N3 N2	
1945-076	2305m	A 65% SANDSTONE - as 1945-074B, pale yellow F, milky cut, very pale orange. B 33% SHALE - as 1945-074A, dark grey. C 2% Minor carbonaceous shale.	10YR8/2 N3	
1945-077	2307m	A 65% SANDSTONE - very fine to fine grained, subangular, fairly well sorted, pale yellow F, milky cut, very pale orange.	10YR8/2	

TABLE 1
ORGANIC CARBON RESULTS AND GROSS LITHOLOGIC DESCRIPTIONS

B 1945			G S A	TOTAL ORGANIC
GEOCHEM SAMPLE NUMBER	DEPTH/ IDENTITY	GROSS LITHOLOGIC DESCRIPTION	COLOUR CODE	CARBON (Wt.% of Rock)
		B 35% SHALE - fissile, mod hard, non-calcareous, dark grey.	N3	
1945-078	2310m	A 60% SANDSTONE - as 1945-077A, pale yellow F, milky cut, very pale orange.	10YR8/2	
		B 38% SHALE - as 1945-077B, dark grey.	N3	
		C 2% Minor carbonaceous shale.		
1945-079	2312m	A 60% SHALE - as 1945-077B, dark grey.	N3	
		B 38% SANDSTONE - as 1945-077A, pale yellow F, milky cut, very pale orange.	10YR8/2	
		C 2% Minor carbonaceous shale.		
1945-080	2315m	A 55% SANDSTONE - as 1945-077A, pale yellow F, milky cut, very pale orange.	10YR8/2	
		B 43% SHALE - as 1945-079A, dark grey.	N3	
		C 2% Minor carbonaceous shale.		

TABLE 1
ORGANIC CARBON RESULTS AND GROSS LITHOLOGIC DESCRIPTIONS

DB 1945 GEOCHEM SAMPLE NUMBER	DEPTH/ IDENTITY	GROSS LITHOLOGIC DESCRIPTION	G S A COLOUR CODE	TOTAL ORGANIC CARBON (Wt.% of Rock)
WELL: 7219/9-1 SIDETRACK				
1945-081	2252m	A 98% SANDSTONE - very fine to fine grained, subangular, fairly well sorted, dull gold F, milky C, very pale orange to pale orange. B 2% Minor carbonaceous shale.	10YR8/2- 10YR7/2	
1945-082	2255m	A 98% SANDSTONE - as 1945-081A pale yellow F, milky C, very pale orange to pale orange. B 2% Minor carbonaceous shale.	10YR8/2- 10YR7/2	
1945-083	2257m	A 98% SANDSTONE - as 1945-081A yellow F, milky C, very pale orange to pale orange. B 2% Minor shale.	10YR8/2- 10YR7/2	
1945-084	2260m	A 98% SANDSTONE - gen unconsolidated, med to coarse grained, subangular, fairly well sorted, pale yellow F, milky C, very pale orange. B 2% Minor (caved) shale.	10YR8/2	
1945-085	2262m	A 98% SANDSTONE - as 1945-084 yellow F, milky C, very pale orange B 2% Minor (caved) shale.	10YR8/2	
1945-086	2265m	A 98% SANDSTONE - as 1945-084A yellow F, milky C, very pale orange B 2% Minor (caved) shale.	10YR8/2	
1945-087	2267m	A 98% SANDSTONE - as 1945-084A yellow F, milky C, very pale orange B 2% Minor sandstone.	10YR8/2	
1945-088	2270m	A 98% SANDSTONE - gen unconsolidated, med to coarse grained, subangular, fairly well sorted, yellow F, milky C, very pale orange to pale orange. B 2% Minor mudstone.	10YR8/2- 10YR7/2	
1945-089	2272m	A 98% SANDSTONE - as 1945-088A yellow F, milky C, very pale orange to pale orange. B 2% Minor mudstone.	10YR8/2- 10YR7/2	
1945-090	2275m	A 95% SANDSTONE - unconsol in part, med to coarse grained, subangular, fairly well sorted, occ carb flecks, yellow F, weak milky C, pale yellowish brown to pale orange	10YR6/2- 10YR7/2	

TABLE 1
ORGANIC CARBON RESULTS AND GROSS LITHOLOGIC DESCRIPTIONS

DB 1945 GEOCHEM SAMPLE NUMBER	DEPTH/ IDENTITY	GROSS LITHOLOGIC DESCRIPTION	G S A COLOUR CODE	TOTAL ORGANIC CARBON (Wt.% of Rock)
		B 5% SHALE - subfissile, mod hard, non-calc, carb in part, dark grey.	N3	
1945-091	2277m	A 90% SANDSTONE - as 1945-090A yellow F, milky C, pale yellowish brown to pale orange.	10YR6/2- 10YR7/2	
		B 10% SHALE - as 1945-090B, dark grey.	N3	
1945-092	2280m	A 90% SANDSTONE - as 1945-090A yellow F, milky C, pale yellowish brown to pale orange.	10YR6/2- 10YR7/2	
		B 10% SHALE - as 1945-090B, dark grey.	N3	
45-093	2282m	A 95% SANDSTONE - gen unconsolidated, med to coarse grained, subangular, fairly well sorted, yellow F, milky C, very pale orange to pale orange.	10YR8/2- 10YR7/2	
		B 5% SHALE - carbonaceous, subfissile, mod hard, non-calc, greyish black to dark grey.	N2 N3	-
1945-094	2285m	A 98% SANDSTONE - as 1945-093A pale yellow F, weak milky C, very pale orange to pale orange.	10YR8/2- 10YR7/2	
		B 2% Minor carb shale.		
1945-095	2287m	A 90% SANDSTONE - as 1945-093A pale yellow F, milky C, very pale orange to pale orange.	10YR8/2- 10YR7/2	
		B 10% SHALE - carbonaceous, fissile to subfissile, mod hard, non-calc, greyish black to dark grey.	N2 N3	-
1945-096	2290m	A 85% SANDSTONE - as 1945-093A pale yellow F, milky C, very pale orange to pale orange.	10YR8/2- 10YR7/2	
		B 15% SHALE - as 1945-095B, greyish black to dark grey.	N2 N3	-
1945-097	2295m	A 60% SANDSTONE - gen unconsolidated, med to coarse grained, subangular, fairly well sorted, yellow F, milky C, pale orange to very pale orange.	10YR7/2- 10YR8/2	
		B 40% CARBONACEOUS SHALE - fissile to subfissile, mod hard, non-calc, greyish black.	N2	
1945-098	2297m	A 65% SANDSTONE - as 1945-097A yellow F, milky C, pale orange to very pale orange.	10YR7/2- 10YR8/2	
		B 35% CARBONACEOUS SHALE - as 1945-097B, greyish black.	N2	

TABLE 1
ORGANIC CARBON RESULTS AND GROSS LITHOLOGIC DESCRIPTIONS

DB 1945	DEPTH/ IDENTITY	GROSS LITHOLOGIC DESCRIPTION	G S A COLOUR CODE	TOTAL ORGANIC CARBON (Wt.% of Rock)
GEOCHEM SAMPLE NUMBER				

1945-099	2300m	A 80% SANDSTONE - as 1945-097A yellow F, weak milky C, pale orange to very pale orange. B 20% CARBONACEOUS SHALE - as 1945-097B, greyish black.	10YR7/2- 10YR8/2	
----------	-------	---	---------------------	--

TABLE 2
TOTAL ORGANIC CARBON

JOB 1945 GEOCHEM SAMPLE NUMBER	DEPTH/ IDENTITY	TOC			EXTRACTED TOC		
		TOC (%)	REPEAT TOC (%)	AVERAGE TOC (%)	TOC (%)	REPEAT TOC (%)	AVERAGE TOC (%)
WELL: 7219/9-1							
1945-001	2117m	1.23		1.23	1.21		1.21
1945-002	2120m	1.14		1.14	1.12		1.12
1945-003	2122m	1.11		1.11	1.09		1.09
1945-004	2125m	1.14	1.10	1.12	1.06		1.06
1945-005	2127m	1.11		1.11	1.07	1.03	1.05
1945-006	2130m	1.01		1.01	0.94		0.94
1945-007	2132m	1.05		1.05	0.95		0.95
1945-008	2135m	1.13		1.13	1.07		1.07
1945-009	2137m	1.16	1.17	1.17	1.08		1.08
1945-010	2140m	1.29		1.29	1.23	1.23	1.23
1945-011	2142m	1.39		1.39	1.36		1.36
1945-012	2145m	1.38		1.38	1.33		1.33
5-013	2147m	1.00		1.00	0.93		0.93
1945-014	2150m	1.48	1.44	1.46	1.37		1.37
1945-015	2152m	1.56		1.56	1.38	1.42	1.40
1945-016	2155m	1.76		1.76	1.64		1.64
1945-017	2157m	1.78		1.78	1.65		1.65
1945-018	2160m	1.91		1.91	1.80		1.80
1945-019	2162m	1.87	1.90	1.89	1.76		1.76
1945-020	2165m	1.94		1.94	1.87	1.90	1.89
1945-021	2167m	1.73		1.73	1.66		1.66
1945-022	2170m	1.59		1.59	1.57		1.57
1945-023	2172m	1.07		1.07	0.99		0.99
1945-024	2175m	0.99		0.99	0.99		0.99
1945-025	2177m	1.11		1.11	0.92		0.92
1945-026	2180m	1.08		1.08	1.04		1.04
1945-027	2182m	0.79		0.79	0.78		0.78
1945-028	2185m	1.15		1.15	1.15		1.15
1945-029	2187m	1.40		1.40	1.39		1.39
1945-030	2190m	1.08		1.08	1.06		1.06
1945-031	2192m	1.59		1.59	1.57		1.57
1945-032	2195m	1.18		1.18	1.17		1.17
1945-033	2197m	1.45	1.44	1.45	1.39	1.43	1.41
5-034	2200m	1.20		1.20	1.19		1.19
1945-035	2202m	0.94		0.94	0.80		0.80
1945-036	2205m	0.87		0.87	0.82		0.82
1945-037	2207m	0.91		0.91	0.91		0.91
1945-038	2210m	1.12	1.10	1.11	0.99	1.03	1.01
1945-039	2212m	1.29		1.29	1.19		1.19
1945-040	2215m	0.90		0.90	0.89		0.89
1945-041	2217m	1.07		1.07	0.98		0.98
1945-042	2220m	1.03		1.03	0.91		0.91
1945-043	2222m	1.01		1.01	0.91	0.95	0.93
1945-044	2225m	1.20		1.20	1.15		1.15
1945-045	2227m	1.20		1.20	1.12		1.12
1945-046	2230m	1.41		1.41	1.25		1.25
1945-047	2232m	1.16		1.16	1.11		1.11
1945-048	2235m	1.52	1.53	1.53	1.45		1.45
1945-049	2237m	1.53		1.53	1.51		1.51
1945-050	2240m	1.38		1.38	1.37		1.37
1945-051	2242m	1.31	1.35	1.33	1.26	1.24	1.25
1945-052	2245m	1.76		1.76	1.59		1.59
1945-053	2247m	1.58		1.58	1.57		1.57
5-054	2250m	1.39		1.39	1.27		1.27

TABLE 2
TOTAL ORGANIC CARBON

JOB 1945 GEOCHEM SAMPLE NUMBER	DEPTH/ IDENTITY	TOC			EXTRACTED TOC		
		TOC (%)	REPEAT TOC (%)	AVERAGE TOC (%)	TOC (%)	REPEAT TOC (%)	AVERAGE TOC (%)
1945-055	2252m	1.14		1.14	1.07		1.07
1945-056	2255m	1.10	1.06	1.08	0.97	1.01	0.99
1945-057	2257m	1.34		1.34	1.20		1.20
1945-058	2260m	1.08		1.08	1.05		1.05
1945-059	2262m	1.04		1.04	1.01		1.01
1945-060	2265m	1.08		1.08	1.06		1.06
1945-061	2267m	1.08	1.09	1.09	1.05	1.07	1.06
1945-062	2270m	1.30		1.30	1.23		1.23
1945-063	2272m	1.73		1.73	1.54		1.54
1945-064	2275m	1.49		1.49	1.48		1.48
1945-065	2277m	1.68		1.68	1.56		1.56
1945-066	2280m	1.59	1.59	1.59	1.51	1.51	1.51
1945-067	2282m	1.32		1.32	1.31		1.31
1945-068	2285m	1.29		1.29	1.25		1.25
1945-069	2287m	1.35		1.35	1.14		1.14
1945-070	2290m	1.94		1.94	1.68		1.68
1945-071	2292m	3.48	3.44	3.46	3.26	3.27	3.27
1945-072	2295m	3.09		3.09	3.05		3.05
1945-073	2297m	2.62		2.62	2.43		2.43
1945-074	2300m	3.13		3.13	2.99		2.99
1945-075	2302m	1.78		1.78	1.71		1.71
1945-076	2305m	0.92		0.92	0.88	0.90	0.89
1945-077	2307m	0.85		0.85	0.80		0.80
1945-078	2310m	0.93		0.93	0.92		0.92
1945-079	2312m	1.29		1.29	1.20		1.20
1945-080	2315m	0.86		0.86	0.86		0.86

TABLE 2
TOTAL ORGANIC CARBON

JOB 1945	DEPTH/ IDENTITY	TOC			EXTRACTED TOC		
GEOCHEM SAMPLE NUMBER		TOC (%)	REPEAT TOC (%)	AVERAGE TOC (%)	TOC (%)	REPEAT TOC (%)	AVERAGE TOC (%)

WELL: 7219/9-1 SIDETRACK

1945-081	2252m	0.48		0.48	0.38		0.38
1945-082	2255m	0.60	0.59	0.60	0.50	0.49	0.50
1945-083	2257m	0.76		0.76	0.65		0.65
1945-084	2260m	0.68		0.68	0.52	0.54	0.53
1945-085	2262m	0.51		0.51	0.38		0.38
1945-086	2265m	0.44		0.44	0.35	0.35	0.35
1945-087	2267m	0.66		0.66	0.46		0.46
1945-088	2270m	0.50		0.50	0.36		0.36
1945-089	2272m	0.55		0.55	0.36		0.36
1945-090	2275m	1.61		1.61	1.33		1.33
1945-091	2277m	1.56	1.54	1.55	1.33	1.29	1.31
1945-092	2280m	1.38		1.38	1.17		1.17
1945-093	2282m	1.69		1.69	1.36		1.36
1945-094	2285m	0.99		0.99	0.84		0.84
1945-095	2287m	1.36		1.36	1.12		1.12
1945-096	2290m	1.32	1.35	1.34	1.17	1.14	1.16
1945-097	2295m	3.33		3.33	3.18		3.18
1945-098	2297m	2.89		2.89	2.66	2.63	2.65
1945-099	2300m	1.73		1.73	1.62		1.62

TABLE 3
STANDARD PYROLYSIS DATA

B 1945								
GEOCHEM SAMPLE NUMBER	DEPTH/ IDENTITY	ORGANIC CARBON (%)	S0 (mg/g)	S1 (mg/g)	S2 (mg/g)	PRODUCTION INDEX	HYDROGEN INDEX	TMAX (°C)

WELL: 7219/9-1

1945-001	2117m	1.23	0.02	0.20	1.10	0.15	89.4	424
1945-002	2120m	1.14	0.00	0.19	0.95	0.17	83.3	423
1945-003	2122m	1.11	0.01	0.18	0.77	0.19	69.4	421
1945-004	2125m	1.12	0.03	0.25	0.85	0.22	75.9	437
1945-005	2127m	1.11	0.02	0.39	0.89	0.30	80.2	436
1945-006	2130m	1.01	0.01	0.28	1.11	0.20	109.9	437
1945-007	2132m	1.05	0.02	0.45	1.44	0.24	137.1	425
1945-008	2135m	1.13	0.01	0.41	1.57	0.21	138.9	428
1945-009	2137m	1.17	0.00	0.33	1.56	0.17	133.3	429
1945-010	2140m	1.29	0.01	0.33	1.75	0.16	135.7	437
1945-011	2142m	1.39	0.01	0.41	1.87	0.18	134.5	437
1945-012	2145m	1.38	0.00	0.43	1.91	0.18	138.4	437
1945-013	2147m	1.00	0.02	0.29	1.17	0.20	117.0	423
1945-014	2150m	1.46	0.00	0.38	1.71	0.18	117.1	438
1945-015	2152m	1.56	0.13	0.28	1.65	0.14	105.8	438
1945-016	2155m	1.76	0.01	0.49	2.42	0.17	137.5	442
1945-017	2157m	1.78	0.01	0.39	2.06	0.16	115.7	441
1945-018	2160m	1.91	0.12	0.77	1.97	0.27	103.1	440
1945-019	2162m	1.89	0.10	1.21	2.21	0.34	116.9	440
1945-020	2165m	1.94	0.13	1.08	2.81	0.27	144.8	440
1945-021	2167m	1.73	0.04	0.42	2.07	0.17	119.7	440
1945-022	2170m	1.59	0.04	0.31	1.79	0.14	112.6	442
1945-023	2172m	1.07	0.05	0.27	1.46	0.15	136.4	441
1945-024	2175m	0.99	0.01	0.21	1.13	0.16	114.1	440
1945-025	2177m	1.11	0.01	0.16	0.92	0.15	82.9	440
1945-026	2180m	1.08	0.03	0.15	0.81	0.15	75.0	436
1945-027	2182m	0.79	0.02	0.11	0.69	0.13	87.3	437
1945-028	2185m	1.15	0.06	0.34	0.80	0.28	69.6	436
1945-029	2187m	1.40	0.03	0.21	1.04	0.16	74.3	435
1945-030	2190m	1.08	0.04	0.20	0.96	0.17	88.9	437
1945-031	2192m	1.59	0.06	0.34	1.07	0.23	67.3	438
1945-032	2195m	1.18	0.05	0.33	1.14	0.22	96.6	438
1945-033	2197m	1.45	0.06	0.42	1.12	0.26	77.2	439
1945-034	2200m	1.20	0.07	0.53	0.85	0.37	70.8	435
1945-035	2202m	0.94	0.04	0.41	0.97	0.29	103.2	436
1945-036	2205m	0.87	0.06	0.45	0.96	0.31	110.3	441
1945-037	2207m	0.91	0.05	0.41	0.81	0.32	89.0	438
1945-038	2210m	1.11	0.02	0.17	0.83	0.17	74.8	439
1945-039	2212m	1.29	0.02	0.24	1.19	0.17	92.2	440
1945-040	2215m	0.90	0.03	0.21	0.84	0.19	93.3	441
1945-041	2217m	1.07	0.03	0.26	0.95	0.21	88.8	440
1945-042	2220m	1.03	0.02	0.31	1.05	0.22	101.9	439
1945-043	2222m	1.01	0.02	0.27	1.80	0.13	178.2	441
1945-044	2225m	1.20	0.01	0.23	1.08	0.17	90.0	436
1945-045	2227m	1.20	0.03	0.31	1.29	0.19	107.5	439
1945-046	2230m	1.41	0.03	0.32	1.36	0.19	96.5	444
1945-047	2232m	1.16	0.04	0.59	1.24	0.32	106.9	440
1945-048	2235m	1.53	0.01	0.53	1.85	0.22	120.9	443
1945-049	2237m	1.53	0.11	0.64	1.46	0.29	95.4	437
1945-050	2240m	1.38	0.09	0.60	1.04	0.35	75.4	438
1945-051	2242m	1.33	0.00	0.39	1.20	0.25	90.2	437
1945-052	2245m	1.76	0.01	0.51	1.63	0.24	92.6	443
1945-053	2247m	1.58	0.02	0.43	1.41	0.23	89.2	437

PRODUCTION INDEX = S1 / (S0 + S1 + S2)

HYDROGEN INDEX = 100 x S2 / TOC

S0 : 100°C (180secs)

S1 : 300°C (180secs)

S2 : 25°C / 10min + 1 min 550°C

TABLE 3
STANDARD PYROLYSIS DATA

B 1945								
GEOCHEM SAMPLE NUMER	DEPTH/ IDENTITY	ORGANIC CARBON (%)	S0 (mg/g)	S1 (mg/g)	S2 (mg/g)	PRODUCTION INDEX	HYDROGEN INDEX	TMAX (°C)
1945-054	2250m	1.39	0.00	0.47	1.37	0.26	98.6	443
1945-055	2252m	1.14	0.00	0.35	0.99	0.26	86.8	437
1945-056	2255m	1.08	0.03	0.37	1.02	0.26	94.4	439
1945-057	2257m	1.34	0.01	0.35	1.45	0.19	108.2	437
1945-058	2260m	1.08	0.01	0.13	0.73	0.15	67.6	442
1945-059	2262m	1.04	0.04	0.20	0.67	0.22	64.4	435
1945-060	2265m	1.08	0.00	0.15	0.61	0.20	56.5	437
1945-061	2267m	1.09	0.00	0.17	0.55	0.24	50.5	432
1945-062	2270m	1.30	0.01	0.20	0.96	0.17	73.8	440
1945-063	2272m	1.73	0.02	0.54	1.70	0.24	98.3	439
1945-064	2275m	1.49	0.01	0.40	1.41	0.22	94.6	442
1945-065	2277m	1.68	0.02	0.31	1.40	0.18	83.3	438
1945-066	2280m	1.59	0.02	0.26	1.01	0.20	63.5	444
1945-067	2282m	1.32	0.03	0.23	1.04	0.18	73.8	444
1945-068	2285m	1.29	0.01	0.16	0.89	0.15	69.0	436
1945-069	2287m	1.35	0.06	0.56	1.22	0.30	90.4	437
1945-070	2290m	1.94	0.03	0.35	1.90	0.15	97.9	442
1945-071	2292m	3.46	0.05	1.45	6.43	0.18	185.8	438
1945-072	2295m	3.09	0.03	0.64	3.98	0.14	128.8	440
1945-073	2297m	2.62	0.04	0.57	3.76	0.13	143.5	439
1945-074	2300m	3.13	0.06	0.91	5.03	0.15	160.7	436
1945-075	2302m	1.78	0.05	0.37	2.27	0.14	127.5	437
1945-076	2305m	0.92	0.04	0.40	0.82	0.32	89.1	438
1945-077	2307m	0.85	0.04	0.18	0.57	0.23	67.1	435
1945-078	2310m	0.93	0.05	0.30	0.80	0.26	86.0	433
1945-079	2312m	1.29	0.05	0.35	1.16	0.22	89.9	437
1945-080	2315m	0.86	0.05	0.32	0.70	0.30	81.4	437

PRODUCTION INDEX = S1 / (S0 + S1 + S2)

HYDROGEN INDEX = 100 x S2 / TOC

S0 : 100°C (180secs)

S1 : 300°C (180secs)

S2 : 25°C / 10min + 1 min 550°C

TABLE 3
STANDARD PYROLYSIS DATA

1945 GEOCHEM SAMPLE NUMBER	DEPTH/ IDENTITY	ORGANIC CARBON (%)	S0 (mg/g)	S1 (mg/g)	S2 (mg/g)	PRODUCTION INDEX	HYDROGEN INDEX	TMAX (°C)
-------------------------------------	--------------------	--------------------------	--------------	--------------	--------------	---------------------	-------------------	--------------

WELL: 7219/9-1 SIDE TRACK

1945-081	2252m	0.48	0.02	0.57	0.73	0.43	152.1	428
1945-082	2255m	0.60	0.00	0.63	0.86	0.42	143.3	429
1945-083	2257m	0.76	0.02	0.78	0.77	0.50	101.3	422
1945-084	2260m	0.68	0.03	0.65	0.69	0.47	101.5	432
1945-085	2262m	0.51	0.04	0.43	0.57	0.41	111.8	437
1945-086	2265m	0.44	0.04	0.44	0.60	0.41	136.4	424
1945-087	2267m	0.66	0.01	0.97	1.15	0.46	174.2	426
1945-088	2270m	0.50	0.01	0.42	0.70	0.37	140.0	430
1945-089	2272m	0.55	0.01	0.86	0.85	0.50	154.5	427
1945-090	2275m	1.61	0.01	1.74	2.60	0.40	161.5	437
1945-091	2277m	1.55	0.01	1.49	2.33	0.39	150.3	431
1945-092	2280m	1.38	0.02	1.11	1.89	0.37	137.0	437
1945-093	2282m	1.69	0.01	1.09	2.10	0.34	124.3	435
1945-094	2285m	0.99	0.01	1.06	1.58	0.40	159.6	434
1945-095	2287m	1.36	0.04	0.75	1.88	0.28	138.2	438
1945-096	2290m	1.34	0.03	0.84	2.16	0.28	161.2	435
1945-097	2295m	3.33	0.05	1.04	6.85	0.13	205.7	437
1945-098	2297m	2.89	0.06	0.82	5.83	0.12	201.7	436
1945-099	2300m	1.73	0.01	1.00	3.22	0.24	186.1	437

PRODUCTION INDEX = $S1 / (S0 + S1 + S2)$

HYDROGEN INDEX = $100 \times S2 / TOC$

S0 : 100°C (180secs)

S1 : 300°C (180secs)

S2 : 25°C / 10min + 1 min 550°C

TABLE 4
DETAILED GASOLINE RANGE (C₄-C₇) COMPOSITION

OCHEM SAMPLE NUMBER	1945-001	1945-002	1945-003	1945-004	1945-005	1945-006
DEPTH	2117m	2120m	2122m	2125m	2127m	2130m
NORMALISED COMPOSITION						
isobutane	2.44	1.47	2.01	2.28	1.09	0.80
n-butane	10.06	6.93	7.63	9.12	4.83	4.28
isopentane	9.75	6.83	8.22	10.72	9.06	9.35
n-pentane	12.09	9.25	10.45	11.87	9.56	11.05
2,2-dimethylB	1.12	0.80	1.11	1.17	1.19	1.20
cyclopentane	1.34	1.70	1.51	1.85	1.67	1.94
2,3-dimethylB	0.00	0.40	0.22	0.00	0.08	0.09
2-methylP	9.00	9.63	10.74	9.58	10.81	10.84
3-methylP	4.94	5.44	5.70	5.30	6.07	6.00
n-hexane	8.46	7.18	8.11	8.54	8.76	9.30
ethylCP	2.93	2.32	2.43	2.81	2.96	3.16
2-dimethylP	1.12	1.83	1.64	1.13	1.40	1.25
2,4-dimethylP	0.52	0.42	0.77	0.47	0.45	0.35
2,2,3-trimethylB	0.00	0.00	0.00	0.00	0.00	0.00
benzene	0.30	0.73	0.53	0.27	0.35	0.31
cyclohexane	3.78	3.03	2.72	3.64	3.81	3.80
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	4.02	3.02	5.02	4.12	5.56	4.76
2,3-dimethylP	1.10	2.12	1.23	0.87	0.89	0.95
3-MH	3.56	5.25	4.51	3.45	4.64	4.07
1,c,3-DMCP	0.79	1.24	1.03	0.79	1.07	1.01
1,t,3-DMCP	0.69	1.46	1.07	0.72	1.21	1.01
1,t,2-DMCP	2.15	2.90	2.27	1.99	2.06	2.18
3-ethylP	0.00	0.00	0.00	0.00	0.00	0.00
n-heptane(nC7)	4.16	4.67	3.92	4.08	4.88	4.68
methylCH	9.58	14.37	10.64	9.23	11.43	11.56
2,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
toluene	0.55	1.49	0.96	0.46	0.62	0.52
ABUNDANCE	1536	652	775	2529	2605	4016
nC7/C7NAPHTHENES	0.31	0.23	0.26	0.32	0.31	0.30
total MH/DMCP	2.09	1.48	2.18	2.16	2.35	2.10
1,t,2-/1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
nC6/methylCP	2.89	3.09	3.34	3.04	2.96	2.94
C6-C7 FRACTION						
%n-PARAFFINS	21.76	17.43	18.80	21.76	20.06	20.87
%iso-PARAFFINS	43.76	42.52	48.35	44.99	45.73	44.05
%NAPHTHENES	34.35	37.24	31.51	33.07	33.15	33.92
%AROMATICS	1.47	3.27	2.33	1.26	1.43	1.24

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

TABLE 4
DETAILED GASOLINE RANGE (C₄-C₇) COMPOSITION

NOCHEM SAMPLE NUMBER	1945-007	1945-008	1945-009	1945-010	1945-011	1945-012
DEPTH	2132m	2135m	2137m	2140m	2142m	2145m
NORMALISED COMPOSITION						
isobutane	1.67	4.26	5.70	6.51	5.84	6.31
n-butane	8.26	19.45	20.90	25.36	21.57	23.75
isopentane	12.82	16.43	14.80	13.68	12.29	14.72
n-pentane	14.27	16.01	15.91	16.43	15.21	15.12
2,2-dimethylB	1.24	1.11	0.91	3.63	0.93	0.94
cyclopentane	1.83	1.30	1.54	1.24	1.01	1.47
2,3-dimethylB	0.08	0.09	0.00	1.42	0.00	0.00
2-methylP	9.50	7.15	6.30	4.99	6.10	5.72
3-methylP	5.42	4.00	3.70	2.69	3.38	3.37
n-hexane	8.35	4.62	5.12	4.45	5.23	4.44
1-methylCP	3.48	3.28	2.86	2.34	2.69	2.67
1,2-dimethylP	0.92	0.47	0.52	0.39	0.55	0.43
1,4-dimethylP	0.35	0.32	0.21	0.35	0.30	0.18
2,2,3-trimethylB	0.00	0.00	0.00	0.00	0.00	0.00
benzene	0.23	0.15	0.13	0.10	0.17	0.14
cyclohexane	4.05	3.41	3.54	2.93	3.38	3.51
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	3.42	1.59	1.68	0.90	2.03	1.34
2,3-dimethylP	0.77	0.64	0.54	0.48	0.61	0.48
3-MH	2.84	1.45	1.44	0.87	1.85	1.23
1,c,3-DMCP	0.75	0.46	0.48	0.35	0.47	0.41
1,t,3-DMCP	0.78	0.37	0.38	0.21	0.36	0.29
1,t,2-DMCP	1.66	1.25	1.05	0.88	1.29	1.05
3-ethylP	0.00	0.00	0.00	0.00	0.00	0.00
n-heptane(nC7)	3.17	1.24	1.43	0.83	2.05	1.09
1-methylCH	8.24	5.24	5.12	3.29	6.73	5.59
1,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
toluene	0.37	0.15	0.21	0.14	0.40	0.18
ABUNDANCE	3030	2134	2463	1287	1267	811
nC7/C7NAPHTHENES	0.28	0.17	0.20	0.18	0.23	0.15
total MH/DMCP	1.96	1.46	1.63	1.23	1.83	1.47
1,t,2-/1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
nC6/methylCP	2.40	1.41	1.79	1.90	1.94	1.66
C6-C7 FRACTION						
%n-PARAFFINS	20.95	16.28	18.72	17.04	19.16	16.76
%iso-PARAFFINS	44.62	46.73	43.72	50.71	41.45	41.49
%NAPHTHENES	34.48	38.92	38.38	32.26	39.27	40.97
%AROMATICS	1.10	0.84	0.98	0.78	1.51	0.97

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

TABLE 4
DETAILED GASOLINE RANGE (C₄-C₇) COMPOSITION

OCHEM SAMPLE NUMBER	1945-013	1945-014	1945-015	1945-016	1945-017	1945-018
DEPTH	2147m	2150m	2152m	2155m	2157m	2160m
NORMALISED COMPOSITION						
isobutane	4.64	6.30	6.11	6.33	4.60	6.15
n-butane	16.50	20.81	19.62	19.35	18.23	17.45
isopentane	13.91	15.04	14.36	14.38	13.55	14.11
n-pentane	13.58	15.11	14.13	14.59	14.14	15.17
2,2-dimethylB	2.18	0.98	0.99	0.91	1.04	0.93
cyclopentane	1.37	1.45	1.66	1.39	1.72	1.47
2,3-dimethylB	1.35	0.00	0.00	0.00	0.00	0.00
2-methylP	6.96	6.25	6.37	6.32	7.34	6.66
3-methylP	3.98	3.63	3.79	3.54	4.31	3.86
n-hexane	7.03	4.65	5.32	5.50	5.24	5.85
methylCP	2.63	3.29	3.47	3.33	3.75	3.36
1,1-dimethylP	0.66	0.44	0.53	0.50	0.57	0.50
2,4-dimethylP	0.32	0.34	0.30	0.23	0.28	0.26
2,2,3-trimethylB	0.00	0.00	0.00	0.00	0.00	0.00
benzene	0.19	0.14	0.12	0.14	0.15	0.13
cyclohexane	3.49	3.73	4.08	4.38	3.98	4.29
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	2.39	1.50	1.68	1.75	2.03	1.78
2,3-dimethylP	0.63	0.59	0.64	0.54	0.71	0.67
3-MH	2.03	1.33	1.52	1.48	1.79	1.58
1,c,3-DMCP	0.53	0.48	0.51	0.49	0.57	0.50
1,t,3-DMCP	0.57	0.34	0.36	0.45	0.51	0.43
1,t,2-DMCP	1.20	1.18	1.25	1.11	1.38	1.25
3-ethylP	0.00	0.00	0.00	0.00	0.00	0.00
n-heptane(nC7)	2.05	1.26	1.62	1.58	1.42	1.65
methylCH	5.98	5.39	5.82	5.93	6.90	6.21
1,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
toluene	0.30	0.22	0.21	0.23	0.23	0.21
ABUNDANCE	2636	2674	2840	3036	2213	3616
nC7/C7NAPHTHENES	0.25	0.17	0.20	0.20	0.15	0.20
total MH/DMCP	1.92	1.42	1.51	1.58	1.55	1.54
1,t,2-/1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
nC6/methylCP	2.67	1.41	1.53	1.65	1.40	1.74
C6-C7 FRACTION						
%n-PARAFFINS	20.64	16.89	18.27	18.64	15.86	18.76
%iso-PARAFFINS	46.60	43.03	41.64	40.19	43.03	40.61
%NAPHTHENES	32.73	41.18	40.77	41.29	40.70	40.11
%AROMATICS	1.12	1.03	0.87	0.98	0.91	0.86

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

TABLE 4
DETAILED GASOLINE RANGE (C₄-C₇) COMPOSITION

YOICHEM SAMPLE NUMBER	1945-019	1945-020	1945-021	1945-022	1945-023	1945-024
DEPTH	2162m	2165m	2167m	2170m	2172m	2175m
NORMALISED COMPOSITION						
isobutane	4.68	4.78	4.22	5.42	2.51	2.19
n-butane	20.73	18.23	15.42	18.58	11.18	9.45
isopentane	15.88	13.76	8.75	14.17	9.66	9.70
n-pentane	15.63	15.69	24.80	15.03	13.14	12.43
2,2-dimethylB	1.73	0.78	1.06	1.02	0.83	1.00
cyclopentane	1.65	1.44	1.18	1.61	1.42	1.66
2,3-dimethylB	0.00	0.08	0.00	0.00	0.00	0.00
2-methylP	6.96	6.75	4.54	7.15	7.18	8.49
3-methylP	3.99	3.74	2.59	4.10	4.14	5.12
n-hexane	4.34	6.00	15.15	5.65	8.67	8.05
2-methylCP	2.82	3.69	2.45	3.10	3.57	3.37
2,2-dimethylP	0.60	0.57	0.56	0.65	0.68	1.07
2,4-dimethylP	0.26	0.20	0.73	0.27	0.28	0.40
2,2,3-trimethylB	0.00	0.00	0.00	0.00	0.00	0.00
benzene	0.13	0.15	0.36	0.15	0.17	0.23
cyclohexane	3.48	4.38	2.96	3.78	4.19	4.23
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	1.24	1.83	2.32	2.02	3.52	3.85
2,3-dimethylP	0.76	0.61	0.00	0.64	0.78	1.00
3-MH	1.37	1.64	1.49	1.67	3.13	3.43
1,c,3-DMCP	0.42	0.50	0.48	0.51	0.80	0.90
1,t,3-DMCP	0.26	0.45	0.30	0.36	0.69	0.83
1,t,2-DMCP	1.09	1.19	1.37	1.28	1.87	2.25
3-ethylP	0.00	0.00	0.00	0.00	0.00	0.00
n-heptane (nC7)	0.79	1.65	2.45	1.47	4.99	3.33
methylCH	5.53	6.18	6.31	5.72	10.45	10.94
1,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
toluene	0.10	0.19	0.51	0.21	0.58	0.52
ABUNDANCE						
	776	2906	553	2802	3686	2253
nC7/C7NAPHTHENES						
total MH/DMCP	0.11	0.20	0.29	0.19	0.36	0.22
1,t,2-/1,c,2-DMCP	1.47	1.62	1.77	1.72	1.98	1.83
1,t,2-/1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
nC6/methylCP	1.54	1.63	6.18	1.82	2.43	2.39
C6-C7 FRACTION						
%n-PARAFFINS	14.66	19.13	39.12	18.26	24.40	19.29
%iso-PARAFFINS	48.32	40.51	29.54	44.93	36.68	41.29
% NAPHTHENES	38.86	40.98	30.83	37.83	38.52	38.17
% AROMATICS	0.66	0.86	1.94	0.93	1.34	1.28

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

TABLE 4
DETAILED GASOLINE RANGE (C₄-C₇) COMPOSITION

CHEM SAMPLE NUMBER	1945-025	1945-026	1945-027	1945-028	1945-029	1945-030
DEPTH	2177m	2180m	2182m	2185m	2187m	2190m
NORMALISED COMPOSITION						
isobutane	2.19	5.08	4.91	4.84	10.11	10.54
n-butane	10.87	21.02	24.90	25.61	41.10	38.33
isopentane	9.24	12.09	11.83	11.05	11.22	11.68
n-pentane	13.29	14.15	18.32	17.88	14.33	15.10
2,2-dimethylB	1.06	1.18	0.84	1.26	0.66	0.62
cyclopentane	1.12	1.06	1.13	1.11	0.94	0.94
2,3-dimethylB	0.00	0.00	0.00	0.00	0.00	0.00
2-methylP	8.67	6.65	5.51	5.67	3.13	3.23
3-methylP	5.02	3.85	3.12	3.22	1.55	1.69
n-hexane	7.88	4.80	5.74	5.07	2.42	2.70
ethylCP	3.14	3.30	2.50	2.18	1.54	1.50
2-dimethylP	1.04	0.54	0.86	0.91	0.36	0.42
2,4-dimethylP	0.62	0.52	0.00	0.00	0.03	0.00
2,2,3-trimethylB	0.00	0.00	0.00	0.00	0.00	0.00
benzene	0.21	0.16	0.09	0.11	0.06	0.05
cyclohexane	3.72	3.68	2.99	2.92	2.06	2.27
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	3.54	1.48	1.32	1.19	0.80	0.48
2,3-dimethylP	1.08	0.89	0.49	0.70	0.00	0.32
3-MH	3.46	1.78	1.29	1.35	0.43	0.52
1,c,3-DMCP	0.87	0.60	0.36	0.44	0.19	0.19
1,t,3-DMCP	0.81	0.42	0.40	0.26	0.16	0.11
1,t,2-DMCP	2.35	1.71	1.01	1.34	0.49	0.57
3-ethylP	0.00	0.00	0.00	0.00	0.00	0.00
n-heptane(nC7)	3.06	1.31	1.26	1.12	0.26	0.41
methylCH	10.61	7.80	5.37	5.95	2.56	2.69
1,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
toluene	0.59	0.37	0.21	0.28	0.04	0.10
ABUNDANCE	1261	855	1090	662	1145	1558
nC7/C7NAPHTHENES	0.21	0.12	0.18	0.14	0.08	0.12
total MH/DMCP	1.74	1.19	1.47	1.25	1.46	1.15
1,t,2-/1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
nC6/methylCP	2.51	1.45	2.30	2.33	1.57	1.80
C6-C7 FRACTION						
%n-PARAFFINS	19.20	14.91	21.22	18.76	16.76	18.30
%iso-PARAFFINS	42.97	41.20	40.70	43.34	43.51	42.83
%NAPHTHENES	37.72	42.71	38.28	39.67	43.76	43.12
%AROMATICS	1.41	1.30	0.91	1.19	0.63	0.89

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

TABLE 4
DETAILED GASOLINE RANGE (C₄-C₇) COMPOSITION

OCHEM SAMPLE NUMBER	1945-031	1945-032	1945-033	1945-034	1945-035	1945-036
DEPTH	2192m	2195m	2197m	2200m	2202m	2205m
NORMALISED COMPOSITION						
isobutane	8.93	12.14	7.55	3.96	4.74	2.08
n-butane	40.98	33.45	32.43	14.50	19.65	11.40
isopentane	11.02	12.81	12.33	11.26	14.37	9.45
n-pentane	14.68	14.79	14.89	14.49	15.99	13.43
2,2-dimethylB	0.72	0.80	0.99	0.79	1.30	1.05
cyclopentane	0.91	1.07	1.01	1.42	1.50	1.51
2,3-dimethylB	0.00	0.00	0.00	0.18	0.00	0.16
2-methylP	3.15	3.57	4.47	7.03	6.94	7.93
3-methylP	1.76	1.98	2.53	3.71	4.01	4.52
n-hexane	2.60	3.03	3.29	9.36	5.53	7.55
1-methylCP	1.64	2.17	2.72	3.39	3.22	3.32
2,2-dimethylP	0.45	0.21	0.39	0.59	0.61	0.99
2,4-dimethylP	0.00	0.00	0.00	0.25	0.45	0.44
2,2,3-trimethylB	0.00	0.00	0.00	0.00	0.00	0.00
benzene	0.08	0.06	0.11	0.14	0.14	0.24
cyclohexane	2.23	2.48	3.12	3.54	3.63	3.84
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	0.34	0.57	0.90	2.89	1.47	3.75
2,3-dimethylP	0.41	0.33	0.46	0.64	0.82	0.98
3-MH	0.47	0.58	0.86	2.41	1.54	3.40
1,c,3-DMCP	0.19	0.19	0.27	0.60	0.47	0.95
1,t,3-DMCP	0.16	0.14	0.21	0.49	0.27	0.59
1,t,2-DMCP	0.63	0.65	0.94	1.43	1.41	2.27
3-ethylP	0.00	0.00	0.00	0.00	0.00	0.00
n-heptane(nc7)	0.32	0.40	0.56	3.93	1.29	3.18
methylCH	2.73	2.94	4.27	7.07	4.95	10.82
1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
toluene	0.07	0.09	0.16	0.41	0.14	0.60
ABUNDANCE						
	1129	2075	1454	4818	1371	2296
nC7/C7NAPHTHENES						
total MH/DMCP	0.09	0.10	0.10	0.41	0.18	0.22
1,t,2-/1,c,2-DMCP	0.83	1.17	1.24	2.10	1.40	1.88
1,t,2-/1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
nc6/methylCP	1.59	1.40	1.21	2.76	1.72	2.27
C6-C7 FRACTION						
%n-PARAFFINS	17.18	17.16	14.81	27.69	17.95	19.17
%iso-PARAFFINS	42.95	40.21	40.77	38.53	45.11	41.47
%NAPHTHENES	44.59	42.86	44.35	34.42	36.72	38.92
%AROMATICS	0.89	0.76	1.04	1.15	0.74	1.51

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

TABLE 4
DETAILED GASOLINE RANGE (C₄-C₇) COMPOSITION

CHEM SAMPLE NUMBER	1945-037	1945-038	1945-039	1945-040	1945-041	1945-042
DEPTH	2207m	2210m	2212m	2215m	2217m	2220m
NORMALISED COMPOSITION						
isobutane	2.71	1.68	1.77	1.68	0.84	0.78
n-butane	14.08	9.39	8.81	7.80	4.35	4.04
isopentane	11.30	10.38	10.91	10.85	8.41	7.48
n-pentane	14.45	14.30	13.54	12.91	11.62	10.58
2,2-dimethylB	1.02	1.19	1.12	1.12	1.10	1.09
cyclopentane	1.50	2.07	1.86	1.18	1.66	1.36
2,3-dimethylB	0.00	0.13	0.00	0.00	0.00	0.00
2-methylP	8.00	10.37	9.28	10.09	10.10	10.15
3-methylP	4.57	5.54	5.10	5.50	5.53	5.69
n-hexane	7.10	8.67	9.62	10.25	11.01	11.22
methylCP	3.10	3.82	3.18	2.59	3.35	3.05
2-dimethylP	0.99	0.86	1.03	1.16	1.17	1.29
2,4-dimethylP	0.39	0.62	0.33	0.33	0.35	0.52
2,2,3-trimethylB	0.00	0.00	0.00	0.00	0.00	0.00
benzene	0.24	0.23	0.27	0.28	0.30	0.31
cyclohexane	3.92	3.28	3.69	4.27	3.94	3.74
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	3.19	3.19	3.92	4.07	4.93	5.21
2,3-dimethylP	0.90	1.59	0.82	0.94	1.00	1.12
3-MH	2.78	2.95	3.20	3.20	4.06	4.38
1,c,3-DMCP	0.64	0.80	0.81	0.72	0.97	1.09
1,t,3-DMCP	0.73	0.64	0.60	0.86	0.84	1.00
1,t,2-DMCP	1.65	2.00	1.77	1.46	2.18	2.31
3-ethylP	0.00	0.00	0.00	0.00	0.00	0.00
n-heptane(nC7)	2.77	2.84	4.29	4.44	5.67	6.07
methylCH	8.00	7.71	8.20	8.38	10.62	11.38
1,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
toluene	0.42	0.21	0.36	0.39	0.49	0.60
ABUNDANCE						
	2812	2581	4904	5104	4974	3213
nC7/C7NAPHTHENES						
total MH/DMCP	0.25	0.25	0.38	0.39	0.39	0.38
1,t,2-/1,c,2-DMCP	1.98	1.78	2.24	2.39	2.25	2.18
nC6/methylCP	0.00	0.00	0.00	0.00	0.00	0.00
	2.29	2.27	3.03	3.96	3.29	3.68
C6-C7 FRACTION						
%n-PARAFFINS	19.75	20.56	24.41	24.49	24.90	24.71
%iso-PARAFFINS	43.69	47.22	43.51	44.02	42.15	42.08
%NAPHTHENES	36.09	32.59	32.02	30.47	32.69	32.25
%AROMATICS	1.33	0.79	1.11	1.12	1.18	1.31

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

TABLE 4
DETAILED GASOLINE RANGE (C₄-C₇) COMPOSITION

YOCEM SAMPLE NUMBER	1945-043	1945-044	1945-045	1945-046	1945-047	1945-048
DEPTH	2222m	2225m	2227m	2230m	2232m	2235m
NORMALISED COMPOSITION						
isobutane	2.07	1.67	1.62	2.14	2.63	2.30
n-butane	9.40	8.35	8.01	9.99	11.08	10.46
isopentane	11.96	11.03	9.94	10.70	12.55	10.96
n-pentane	13.72	13.43	11.69	12.86	13.43	12.91
2,2-dimethylB	1.21	1.70	1.32	1.18	1.30	1.14
cyclopentane	1.82	1.78	1.39	1.52	2.28	1.60
2,3-dimethylB	0.00	1.30	0.00	0.00	0.00	0.00
2-methylP	9.15	8.93	10.11	9.08	9.12	8.91
3-methylP	5.10	5.44	5.70	5.00	5.20	5.17
n-hexane	8.25	8.05	7.84	8.30	7.67	7.29
2-methylCP	3.38	2.86	3.11	3.21	2.79	2.96
2,2-dimethylP	0.91	1.11	1.19	0.92	1.08	1.17
4,4-dimethylP	0.37	0.60	0.52	0.48	0.41	0.44
2,2,3-trimethylB	0.00	0.00	0.00	0.00	0.00	0.00
benzene	0.23	0.30	0.35	0.26	0.27	0.31
cyclohexane	3.98	3.70	3.59	3.79	3.48	3.75
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	3.42	3.93	4.28	3.73	3.61	3.92
2,3-dimethylP	0.94	0.89	1.16	1.10	0.65	0.85
3-MH	2.92	3.35	3.86	3.24	3.00	3.34
1,c,3-DMCP	0.75	0.78	0.95	0.87	0.68	0.86
1,t,3-DMCP	0.65	0.68	0.70	0.53	0.59	0.73
1,t,2-DMCP	1.81	2.07	2.44	2.11	1.72	2.04
3-ethylP	0.00	0.00	0.00	0.00	0.00	0.00
n-heptane(nC7)	3.50	3.15	3.57	3.84	3.19	3.24
methylCH	8.55	8.85	10.53	9.15	7.34	9.55
1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
toluene	0.38	0.49	0.59	0.48	0.40	0.55
ABUNDANCE						
	4514	2563	2189	3539	4035	2727
nC7/C7NAPHTHENES						
total MH/DMCP	0.30	0.25	0.24	0.30	0.31	0.25
1,t,2-/1,c,2-DMCP	1.98	2.06	1.99	1.99	2.21	2.00
nC6/methylCP	0.00	0.00	0.00	0.00	0.00	0.00
	2.44	2.81	2.52	2.59	2.75	2.46
C6-C7 FRACTION						
%n-PARAFFINS	21.37	19.32	18.71	21.30	20.89	18.81
%iso-PARAFFINS	43.68	46.99	46.14	43.39	46.87	44.54
%NAPHTHENES	34.77	32.66	34.96	34.50	31.93	35.52
%AROMATICS	1.11	1.37	1.55	1.30	1.29	1.54

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

TABLE 4
DETAILED GASOLINE RANGE (C₄-C₇) COMPOSITION

OCHEM SAMPLE NUMBER	1945-049	1945-050	1945-051	1945-052	1945-053	1945-054
DEPTH	2237m	2240m	2242m	2245m	2247m	2250m
NORMALISED COMPOSITION						
isobutane	1.37	1.49	1.15	3.87	3.83	3.03
n-butane	7.30	7.55	4.96	17.51	17.97	13.76
isopentane	9.53	9.59	8.11	11.29	11.29	11.35
n-pentane	12.66	10.96	9.79	13.99	14.16	14.42
2,2-dimethylB	1.18	1.11	1.41	0.92	1.11	1.06
cyclopentane	1.67	1.84	1.96	1.39	1.25	1.49
2,3-dimethylB	0.00	0.00	0.66	0.00	0.00	0.00
2-methylP	9.42	9.83	10.05	7.17	7.20	7.72
3-methylP	5.42	5.64	5.75	4.09	4.05	4.26
n-hexane	8.03	7.15	9.66	6.55	6.44	6.99
2-methylCP	3.63	3.08	3.05	3.63	3.24	3.96
2,2-dimethylP	1.08	1.34	1.26	0.64	0.65	0.68
2,4-dimethylP	0.45	0.38	0.40	0.30	0.34	0.34
2,2,3-trimethylB	0.00	0.00	0.00	0.00	0.00	0.00
benzene	0.28	0.33	0.29	0.20	0.17	0.22
cyclohexane	4.18	4.11	3.54	4.04	4.10	4.42
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	4.09	4.76	5.39	2.59	2.58	2.58
2,3-dimethylP	1.20	0.99	1.02	0.83	0.76	1.11
3-MH	3.61	4.08	4.48	2.27	2.23	2.38
1,c,3-DMCP	0.93	1.04	1.08	0.60	0.67	0.69
1,t,3-DMCP	0.93	1.09	0.61	0.43	0.50	0.55
1,t,2-DMCP	2.19	2.18	2.56	1.69	1.64	1.91
3-ethylP	0.00	0.00	0.00	0.00	0.00	0.00
n-heptane(nc7)	3.59	3.61	5.12	2.35	2.26	2.23
methylCH	11.18	11.69	11.58	7.76	7.61	9.01
1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
toluene	0.54	0.63	0.57	0.36	0.40	0.29
ABUNDANCE	2876	3705	2604	2923	2188	1940
nc7/C7NAPHTHENES	0.24	0.23	0.32	0.22	0.22	0.18
total MH/DMCP	1.90	2.05	2.32	1.79	1.71	1.57
1,t,2-/1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
nc6/methylCP	2.21	2.32	3.17	1.80	1.99	1.77
C6-C7 FRACTION						
%n-PARAFFINS	19.05	17.08	21.74	19.35	19.34	18.45
%iso-PARAFFINS	43.38	44.66	44.74	40.90	42.05	40.27
%NAPHTHENES	37.78	36.81	32.98	39.46	39.47	41.09
%AROMATICS	1.35	1.53	1.27	1.22	1.27	1.03

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

TABLE 4
DETAILED GASOLINE RANGE (C₄-C₇) COMPOSITION

OCEM SAMPLE NUMBER	1945-055	1945-056	1945-057	1945-058	1945-059	1945-060
DEPTH	2252m	2255m	2257m	2260m	2262m	2265m
NORMALISED COMPOSITION						
isobutane	2.23	1.92	9.80	10.75	3.01	9.74
n-butane	10.19	8.06	27.27	24.22	10.73	24.41
isopentane	9.96	10.07	12.86	10.86	7.62	14.48
n-pentane	12.26	11.85	12.46	12.12	12.82	13.24
2,2-dimethylB	1.11	1.30	1.03	2.66	0.95	1.10
cyclopentane	1.46	1.35	1.42	1.01	1.24	1.90
2,3-dimethylB	0.00	0.00	0.00	0.00	0.00	0.06
2-methylP	9.75	9.91	4.97	4.44	7.45	5.92
3-methylP	5.45	5.33	2.92	2.59	3.82	3.13
n-hexane	6.67	8.40	4.02	9.81	10.31	3.51
2-methylCP	3.48	2.99	2.51	2.35	2.85	2.62
2,3-dimethylP	1.01	1.13	0.49	0.85	1.16	0.62
2,4-dimethylP	0.35	0.55	0.26	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	0.27	0.10	0.31	0.16	0.00
cyclohexane	4.12	3.67	3.07	2.72	3.13	3.35
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	3.82	4.09	1.37	1.63	5.80	1.95
2,3-dimethylP	1.24	1.42	0.57	0.00	0.00	0.10
3-MH	3.48	3.84	1.31	0.72	3.83	0.98
1,c,3-DMCP	0.90	1.00	0.40	0.50	1.05	0.44
1,t,3-DMCP	0.87	0.59	0.28	0.26	0.58	0.26
1,t,2-DMCP	2.27	2.53	1.05	1.29	2.53	1.23
3-ethylP	0.00	0.00	0.00	0.00	0.00	0.00
n-heptane(nc7)	2.36	3.79	1.06	0.27	5.11	0.55
methylCH	10.72	9.79	5.05	5.03	9.54	4.64
1,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
toluene	0.54	0.61	0.19	0.06	0.76	0.21
ABUNDANCE	2252	1580	1234	478	851	1348
nc7/C7NAPHTHENES	0.16	0.27	0.16	0.04	0.37	0.08
total MH/DMCP	1.81	1.92	1.55	1.15	2.31	1.52
1,t,2-/1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
nc6/methylCP	1.92	2.81	1.60	4.17	3.62	1.34
C6-C7 FRACTION						
%n-PARAFFINS	15.57	19.99	16.94	28.81	26.14	13.54
%iso-PARAFFINS	45.19	45.20	43.07	36.83	39.01	46.21
%NAPHTHENES	38.56	33.73	41.21	34.72	33.36	41.81
%AROMATICS	1.35	1.45	0.97	1.06	1.56	0.71

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

TABLE 4
DETAILED GASOLINE RANGE (C₄-C₇) COMPOSITION

OCHEM SAMPLE NUMBER	1945-061	1945-062	1945-063	1945-064	1945-065	1945-066
DEPTH	2267m	2270m	2272m	2275m	2277m	2280m
NORMALISED COMPOSITION						
isobutane	7.14	10.69	2.84	7.38	8.05	5.62
n-butane	19.49	26.39	11.35	20.62	22.63	16.57
isopentane	12.15	13.14	11.11	13.54	12.93	12.44
n-pentane	13.90	12.65	12.34	12.84	12.93	11.70
2,2-dimethylB	1.04	1.29	1.14	1.04	1.01	1.02
cyclopentane	1.70	1.27	1.25	2.36	1.21	1.35
2,3-dimethylB	0.00	1.09	0.00	0.00	0.00	0.00
2-methylP	7.18	5.11	8.99	5.89	6.17	8.04
3-methylP	3.72	2.83	5.08	3.54	3.41	4.42
n-hexane	6.35	5.40	7.70	4.43	4.45	5.86
2-methylCH	2.68	2.06	2.97	3.01	2.51	2.41
2,3-dimethylP	0.97	0.43	1.05	0.68	0.65	0.86
2,4-dimethylP	0.00	0.23	0.36	0.34	0.25	0.25
2,2,3-trimethylB	0.00	0.00	0.00	0.00	0.00	0.00
benzene	0.09	0.08	0.25	0.14	0.15	0.21
cyclohexane	3.10	2.67	4.21	3.85	4.06	3.96
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	3.30	1.05	3.77	2.04	1.93	3.26
2,3-dimethylP	0.00	0.75	0.92	0.71	0.73	0.95
3-MH	1.86	1.10	3.08	1.57	1.68	2.71
1,c,3-DMCP	0.61	0.32	0.88	0.47	0.45	0.53
1,t,3-DMCP	0.39	0.52	0.73	0.63	0.32	0.64
1,t,2-DMCP	1.57	0.77	1.96	1.27	1.43	1.44
3-ethylP	0.00	0.00	0.00	0.00	0.00	0.00
n-heptane(nC7)	2.06	0.85	3.33	1.31	1.39	2.78
methylCH	5.00	3.61	8.69	6.52	5.77	7.01
1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
toluene	0.15	0.14	0.46	0.29	0.33	0.45
ABUNDANCE	1881	2030	3088	2629	2312	3198
nC7/C7NAPHTHENES	0.27	0.16	0.27	0.15	0.17	0.29
total MH/DMCP	2.01	1.34	1.92	1.52	1.64	2.29
1,t,2-/1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
nC6/methylCP	2.37	2.62	2.59	1.47	1.77	2.43
C6-C7 FRACTION						
%n-PARAFFINS	21.03	20.84	20.06	15.52	16.23	18.79
%iso-PARAFFINS	45.18	46.27	44.35	42.73	43.98	46.77
%NAPHTHENES	33.38	33.17	35.35	42.57	40.39	34.77
%AROMATICS	0.61	0.74	1.30	1.17	1.34	1.44

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

TABLE 4
DETAILED GASOLINE RANGE (C₄-C₇) COMPOSITION

OCHEM SAMPLE NUMBER	1945-067	1945-068	1945-069	1945-070	1945-071	1945-072
DEPTH	2282m	2285m	2287m	2290m	2292m	2295m
NORMALISED COMPOSITION						
isobutane	5.82	14.29	4.05	10.46	14.91	20.70
n-butane	18.07	18.26	13.52	28.25	35.11	36.89
isopentane	10.13	10.22	11.73	13.05	14.64	13.25
n-pentane	16.28	12.45	12.61	12.13	12.65	10.91
2,2-dimethylB	0.97	0.85	1.04	1.30	0.89	0.67
cyclopentane	1.17	1.39	1.87	1.46	1.18	0.92
2,3-dimethylB	0.00	0.00	0.00	1.34	0.00	0.00
2-methylP	6.58	6.55	8.45	4.45	2.87	2.20
3-methylP	3.28	3.63	4.81	2.50	1.73	1.20
n-hexane	7.12	4.99	6.00	5.25	2.06	1.41
2-ethylCP	2.53	1.78	3.31	1.91	1.92	1.45
2-dimethylP	0.98	0.73	1.00	0.38	0.28	0.23
2,4-dimethylP	0.00	0.27	0.31	0.41	0.00	0.00
2,2,3-trimethylB	0.00	0.00	0.00	0.00	0.00	0.00
benzene	0.09	0.17	0.22	0.09	0.04	0.02
cyclohexane	3.01	3.24	3.64	2.67	2.13	1.84
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	3.71	2.59	3.53	0.88	0.29	0.11
2,3-dimethylP	0.00	0.72	0.93	0.75	0.32	0.29
3-MH	2.41	2.19	2.99	1.04	0.37	0.25
1,c,3-DMCP	0.54	0.49	0.74	0.32	0.15	0.10
1,t,3-DMCP	0.65	0.50	0.84	0.36	0.19	0.13
1,t,2-DMCP	2.60	1.34	1.74	1.07	0.56	0.40
3-ethylP	0.00	0.00	0.00	0.00	0.00	0.00
n-heptane (nC7)	2.72	1.60	2.49	0.72	0.16	0.07
methylCH	5.40	5.84	8.19	3.46	1.96	1.38
1,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
toluene	0.46	0.35	0.45	0.21	0.06	0.03
ABUNDANCE	685	3315	4268	1930	1404	1719
nC7/C7NAPHTHENES	0.30	0.20	0.22	0.14	0.06	0.03
total MH/DMCP	1.61	2.05	1.96	1.10	0.73	0.57
1,t,2-/1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
nC6/methylCP	2.81	2.80	1.81	2.75	1.07	0.97
C6-C7 FRACTION						
%n-PARAFFINS	22.89	17.82	16.99	20.59	14.81	13.46
%iso-PARAFFINS	41.70	47.38	46.13	45.01	45.01	45.01
%NAPHTHENES	34.26	35.65	36.93	33.76	46.07	48.19
%AROMATICS	1.28	1.41	1.35	1.04	0.67	0.46

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

TABLE 4
DETAILED GASOLINE RANGE (C₄-C₇) COMPOSITION

OCHEM SAMPLE NUMBER	1945-073	1945-074	1945-075	1945-076	1945-077	1945-078
DEPTH	2297m	2300m	2302m	2305m	2307m	2310m
NORMALISED COMPOSITION						
isobutane	16.85	17.23	21.89	5.46	10.05	9.42
n-butane	36.71	26.50	37.36	29.70	36.55	35.74
isopentane	13.10	12.04	13.33	8.32	10.99	12.76
n-pentane	12.22	11.24	10.68	13.59	13.58	15.28
2,2-dimethylB	0.66	3.72	0.69	4.32	1.66	0.60
cyclopentane	1.18	1.18	1.04	1.60	2.12	1.40
2,3-dimethylB	0.00	1.07	0.00	0.79	0.00	0.58
2-methylP	2.46	2.55	1.91	4.16	2.47	3.52
3-methylP	1.48	1.46	1.16	2.44	2.06	2.43
n-hexane	1.93	7.65	1.19	4.54	2.15	2.05
2-methylCH	1.88	1.58	1.49	3.93	2.29	2.08
2,2-dimethylP	0.15	0.23	0.04	0.28	0.94	0.59
2,4-dimethylP	0.00	0.25	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	0.03	0.06	0.02	0.30	0.14	0.03
cyclohexane	2.22	2.36	1.61	3.65	2.94	2.68
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	0.24	0.57	0.35	1.88	0.86	0.69
2,3-dimethylP	0.28	0.37	0.00	0.00	0.00	0.00
3-MH	0.31	0.54	0.14	1.13	0.47	0.26
1,c,3-DMCP	0.16	0.18	0.08	0.49	0.22	0.20
1,t,3-DMCP	0.17	0.11	0.10	0.47	0.32	0.26
1,t,2-DMCP	0.44	0.56	0.29	1.42	0.96	0.78
3-ethylP	0.00	0.00	0.00	0.00	0.00	0.00
n-heptane(nc7)	0.15	0.41	0.02	0.78	0.16	0.02
methylCH	1.79	2.47	1.01	5.07	3.31	3.00
1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
toluene	0.02	0.12	0.02	0.12	0.22	0.07
ABUNDANCE	1586	3108	1892	263	417	258
nc7/C7NAPHTHENES	0.06	0.12	0.01	0.10	0.03	0.00
total MH/DMCP	0.71	1.31	1.04	1.26	0.89	0.77
1,t,2-/1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
nc6/methylCP	1.03	4.84	0.80	1.16	0.94	0.99
C6-C7 FRACTION						
%n-PARAFFINS	14.86	31.01	12.11	15.21	11.01	10.90
%iso-PARAFFINS	39.86	41.39	42.91	42.86	40.29	45.64
%NAPHTHENES	47.58	27.93	45.81	42.95	47.81	47.37
%AROMATICS	0.36	0.70	0.41	1.21	1.72	0.53

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

TABLE 4
DETAILED GASOLINE RANGE (C₄-C₇) COMPOSITION

COCHEM SAMPLE NUMBER	1945-079	1945-080
DEPTH	2312m	2315m
NORMALISED COMPOSITION		
isobutane	10.44	10.05
n-butane	39.52	37.78
isopentane	11.87	12.00
n-pentane	13.45	13.84
2,2-dimethylB	1.27	1.22
cyclopentane	1.28	1.35
2,3-dimethylB	0.00	0.00
2-methylP	2.95	3.25
3-methylP	1.97	1.99
n-hexane	1.95	2.14
2-methylCH	2.09	2.21
2-dimethylP	0.47	0.57
2,4-dimethylP	0.00	0.00
2,2,3-trimethylB	0.00	0.00
benzene	0.09	0.05
cyclohexane	2.59	2.93
3,3-dimethylP	0.00	0.00
1,1-dimethylCP	0.00	0.00
2-MH	0.64	0.71
2,3-dimethylP	0.00	0.00
3-MH	0.26	0.33
1,c,3-DMCP	0.21	0.21
1,t,3-DMCP	0.20	0.21
1,t,2-DMCP	0.61	0.63
3-ethylP	0.00	0.00
n-heptane(nC7)	0.01	0.01
methylCH	2.60	2.87
1,c,2-DMCP	0.00	0.00
toluene	0.00	0.08
ABUNDANCE	426	611
nC7/C7NAPHTHENES	0.00	0.00
total MH/DMCP	0.88	0.99
1,t,2-/1,c,2-DMCP	0.00	0.00
nC6/methylCP	0.93	0.97
C6-C7 FRACTION		
%n-PARAFFINS	11.53	11.32
%iso-PARAFFINS	44.48	42.48
%NAPHTHENES	48.83	47.69
%AROMATICS	0.53	0.69

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

TABLE 4
DETAILED GASOLINE RANGE (C₄-C₇) COMPOSITION

EOCHEM SAMPLE NUMBER	1945-081	1945-082	1945-083	1945-084	1945-085	1945-086
DEPTH	2252m	2255m	2257m	2260m	2262m	2265m
	SIDETRACK					
NORMALISED COMPOSITION						
isobutane	1.58	0.91	2.50	1.81	1.01	1.96
n-butane	4.89	3.72	6.80	6.16	3.61	5.01
isopentane	9.27	8.16	8.99	9.23	8.55	8.32
n-pentane	10.66	9.87	9.72	10.53	9.29	9.18
2,2-dimethylB	0.99	1.00	1.41	1.06	1.02	1.01
cyclopentane	1.54	1.09	1.30	1.15	1.34	1.86
2,3-dimethylB	0.00	0.00	0.00	0.00	0.00	0.00
2-methylP	10.16	10.47	9.36	10.60	10.73	9.19
3-methylP	5.27	5.72	6.51	5.43	5.81	5.64
n-hexane	13.13	12.63	10.98	11.51	12.71	12.41
ethylCP	2.55	2.74	4.40	2.59	2.89	3.11
2,2-dimethylP	1.13	1.27	0.84	1.02	1.06	0.99
2,4-dimethylP	0.35	0.39	0.34	0.43	0.38	0.32
2,2,3-trimethylB	0.00	0.00	0.00	0.00	0.00	0.00
benzene	0.19	0.24	0.21	0.22	0.22	0.19
cyclohexane	3.14	3.27	5.00	3.03	3.44	3.41
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	5.15	5.77	4.04	5.19	5.33	5.19
2,3-dimethylP	0.73	0.75	0.77	0.91	0.94	0.79
3-MH	4.11	4.57	3.19	4.27	4.37	4.15
1,c,3-DMCP	0.90	1.07	0.81	0.92	1.02	0.97
1,t,3-DMCP	0.63	0.81	0.83	0.84	0.80	0.95
1,t,2-DMCP	1.90	2.15	1.78	1.98	2.16	1.82
3-ethylP	0.00	0.00	0.00	0.00	0.00	0.00
n-heptane(nc7)	7.92	8.12	5.95	7.04	8.11	9.23
methylCH	7.84	9.24	7.93	8.09	9.18	8.33
1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
toluene	0.41	0.49	0.32	0.45	0.50	0.41
ABUNDANCE	5845	6095	9299	5084	5202	8120
nc7/C7NAPHTHENES	0.70	0.61	0.52	0.60	0.62	0.76
total MH/DMCP	2.70	2.57	2.11	2.53	2.44	2.50
1,t,2-/1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
nc6/methylCP	5.15	4.61	2.50	4.44	4.40	3.99
C6-C7 FRACTION						
%n-PARAFFINS	31.90	29.65	26.46	28.54	29.75	31.83
%iso-PARAFFINS	42.26	42.78	41.35	44.48	42.35	40.12
NAPHTHENES	25.70	27.55	32.43	26.85	27.85	27.34
AROMATICS	0.91	1.05	0.83	1.04	1.03	0.89

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

TABLE 4
DETAILED GASOLINE RANGE (C₄-C₇) COMPOSITION

EOCHEM SAMPLE NUMBER	1945-087	1945-088	1945-089	1945-090	1945-091	1945-092
DEPTH	2267m	2270m	2272m SIDETRACK	2275m	2277m	2280m
NORMALISED COMPOSITION						
isobutane	3.14	1.34	3.28	5.13	3.05	2.32
n-butane	7.36	4.11	6.33	10.87	9.12	8.28
isopentane	8.20	7.30	7.99	10.92	10.43	9.93
n-pentane	9.29	8.34	8.57	11.24	10.95	10.62
2,2-dimethylB	0.92	1.07	1.21	1.29	1.26	1.13
cyclopentane	1.92	1.98	2.39	2.17	1.96	1.99
2,3-dimethylB	0.00	0.00	0.00	0.67	0.00	0.00
2-methylP	8.99	9.13	8.73	8.80	9.81	9.67
3-methylP	5.34	6.32	6.22	4.99	5.61	5.40
n-hexane	11.34	12.27	11.24	8.68	9.58	9.45
2-methylCP	3.12	3.68	4.92	3.83	3.42	3.35
2,2-dimethylP	1.01	1.10	0.87	1.12	0.95	0.95
2,4-dimethylP	0.26	0.30	0.25	0.00	0.34	0.33
2,2,3-trimethylB	0.00	0.00	0.00	0.00	0.00	0.00
benzene	0.20	0.22	0.19	0.17	0.19	0.19
cyclohexane	3.73	4.07	4.97	4.28	4.15	4.06
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	4.90	5.48	4.29	2.98	3.83	4.33
2,3-dimethylP	0.87	0.85	0.83	0.90	0.80	0.94
3-MH	3.95	4.29	3.39	2.53	3.03	3.46
1,c,3-DMCP	0.88	1.05	0.91	0.71	0.80	0.88
1,t,3-DMCP	0.73	0.82	0.74	0.59	0.73	0.70
1,t,2-DMCP	1.91	2.26	1.91	1.67	1.89	2.15
3-ethylP	0.00	0.00	0.00	0.00	0.00	0.00
n-heptane (nC7)	7.87	8.54	6.58	3.72	4.46	5.18
1-methylCH	8.15	9.49	9.32	6.91	7.76	8.77
1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
toluene	0.38	0.43	0.31	0.28	0.33	0.36
ABUNDANCE	8599	10386	10734	6379	6709	5985
nC7/C7NAPHTHENES	0.67	0.63	0.55	0.38	0.40	0.41
total MH/DMCP	2.51	2.37	2.16	1.86	2.01	2.09
1,t,2-/1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
nC6/methylCP	3.63	3.33	2.28	2.27	2.80	2.82
C6-C7 FRACTION						
%n-PARAFFINS	30.02	29.31	27.42	22.97	24.21	23.99
%iso-PARAFFINS	41.01	40.20	39.68	43.12	44.19	42.97
%NAPHTHENES	28.94	30.10	33.50	33.32	32.33	32.64
%AROMATICS	0.91	0.92	0.77	0.84	0.90	0.91

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

TABLE 4
DETAILED GASOLINE RANGE (C₄-C₇) COMPOSITION

EOCHEM SAMPLE NUMBER	1945-093	1945-094	1945-095	1945-096	1945-097	1945-098
DEPTH	2282m	2285m	2287m	2290m	2295m	2297m
SIDETRACK						
NORMALISED COMPOSITION						
isobutane	3.16	3.29	3.23	3.99	11.53	16.73
n-butane	9.30	6.97	7.93	7.90	19.65	27.29
isopentane	8.97	7.98	9.06	8.68	12.32	14.15
n-pentane	9.15	8.52	9.76	9.24	14.53	13.18
2,2-dimethylB	1.08	1.22	1.12	1.08	0.71	0.80
cyclopentane	1.69	2.45	2.20	2.29	1.37	1.61
2,3-dimethylB	0.00	0.00	0.00	0.08	0.00	0.00
2-methylP	9.40	8.57	8.89	8.41	4.50	3.12
3-methylP	5.19	6.18	5.76	5.51	2.49	1.79
1,2-hexane	8.52	10.09	10.09	10.02	5.31	2.72
2-methylCP	3.03	4.23	4.06	4.21	2.91	2.20
2,2-dimethylP	0.99	1.03	0.88	0.92	0.45	0.43
2,4-dimethylP	0.29	0.34	0.29	0.27	0.15	0.00
2,2,3-trimethylB	0.00	0.00	0.00	0.00	0.00	0.00
benzene	0.24	0.22	0.21	0.19	0.39	0.24
cyclohexane	3.91	5.29	4.89	5.39	4.44	3.46
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	4.92	4.49	4.08	4.03	1.78	0.52
2,3-dimethylP	0.95	0.76	0.85	0.84	0.59	0.52
3-MH	3.90	3.49	3.24	3.20	1.54	0.62
1,c,3-DMCP	1.03	1.03	0.90	0.90	0.47	0.24
1,t,3-DMCP	0.97	0.94	0.90	0.75	0.35	0.22
1,t,2-DMCP	2.02	2.00	1.86	1.98	1.09	0.67
3-ethylP	0.00	0.00	0.00	0.00	0.00	0.00
1-heptane(nc7)	5.78	5.99	5.37	5.51	2.29	0.64
1-methylCH	9.48	9.01	8.56	8.74	5.26	3.17
1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
toluene	0.48	0.35	0.34	0.33	0.34	0.14
ABUNDANCE	6543	10585	8433	9008	4499	3141
nc7/C7NAPHTHENES	0.43	0.46	0.44	0.45	0.32	0.15
total MH/DMCP	2.19	2.01	2.00	1.99	1.74	1.01
1,t,2-/1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
nc6/methylCP	2.81	2.39	2.49	2.38	1.82	1.24
C6-C7 FRACTION						
%n-PARAFFINS	23.07	24.74	24.94	25.05	21.72	16.01
%iso-PARAFFINS	43.10	40.13	40.51	39.26	34.89	37.15
NAPHTHENES	32.97	34.62	34.15	35.44	41.49	47.43
AROMATICS	1.17	0.88	0.89	0.84	2.09	1.81

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

TABLE 4
DETAILED GASOLINE RANGE (C₄-C₇) COMPOSITION

GEOCHEM SAMPLE NUMBER	1945-099
DEPTH	2300m SIDETRACK
NORMALISED COMPOSITION	
isobutane	11.61
n-butane	27.30
isopentane	13.01
n-pentane	14.29
2,2-dimethylB	0.81
cyclopentane	1.44
2,3-dimethylB	0.00
2-methylP	3.72
3-methylP	2.27
hexane	3.56
methylCP	2.94
2,2-dimethylP	0.20
2,4-dimethylP	0.00
2,2,3-trimethylB	0.00
benzene	0.07
cyclohexane	3.81
3,3-dimethylP	0.00
1,1-dimethylCP	0.00
2-MH	0.97
2,3-dimethylP	0.52
3-MH	0.89
1,c,3-DMCP	0.36
1,t,3-DMCP	0.23
1,t,2-DMCP	0.91
3-ethylP	0.00
n-heptane(nc7)	0.88
methylCH	4.51
1,c,2-DMCP	0.00
toluene	0.15
ABUNDANCE	2612
nc7/C7NAPHTHENES	0.15
total MH/DMCP	1.24
1,t,2-/1,c,2-DMCP	0.00
nc6/methylCP	1.21
C6-C7 FRACTION	
n-PARAFFINS	17.08
i-PARAFFINS	36.08
NAPHTHENES	49.08
AROMATICS	0.85

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

TABLE 5
CONCENTRATION (PPM) OF EXTRACTED C₁₅ MATERIAL IN ROCK

JOB 1945 GEOCHEM SAMPLE NUMBER	L I T H O	DEPTH/ IDENTITY	TOTAL EXTRACT	HYDROCARBONS			NON HYDROCARBONS			
				Saturates	Aromatics	TOTAL	Preciptd. Asphaltenes	Eluted NSO's	Non-Eluted NSO's	TOTAL
1945-001		2117m	726	167	143	310	179	235	2	416
1945-002		2120m	790	361	88	449	150	186	4	341
1945-003		2122m	481	166	59	225	73	180	3	256
1945-004		2125m	686	315	95	411	73	199	2	275
1945-005		2127m	906	491	116	607	119	176	4	299
1945-006		2130m	953	558	124	682	105	163	4	272
1945-007		2132m	1293	903	97	1000	141	149	3	293
1945-008		2135m	1199	775	102	877	194	124	3	322
1945-009		2137m	986	638	93	732	141	110	3	254
1945-010		2140m	499	270	44	314	116	67	2	185
1945-011		2142m	1128	582	112	695	212	218	3	433
1945-012		2145m	962	558	87	644	167	145	5	318
1945-013		2147m	1291	836	99	936	128	221	6	355
1945-014		2150m	1122	621	95	715	237	166	3	406
1945-015		2152m	765	431	75	507	172	84	2	258
1945-016		2155m	1142	603	124	727	309	103	3	415
1945-017		2157m	1066	613	130	744	199	120	3	322
1945-018		2160m	942	423	157	580	163	197	3	362
1945-019		2162m	803	365	132	497	158	145	3	306
1945-020		2165m	280	121	42	164	65	50	2	117
1945-021		2167m	1207	534	179	713	260	229	5	494
1945-022		2170m	968	445	149	594	197	173	5	375
1945-023		2172m	874	432	111	544	149	179	2	330
1945-024		2175m	607	347	75	421	65	119	1	186
1945-025		2177m	576	295	81	376	58	139	2	200
1945-026		2180m	403	187	52	239	58	104	2	164
1945-027		2182m	347	203	40	243	28	74	1	104
1945-028		2185m	381	208	49	257	26	96	2	124
1945-029		2187m	474	155	49	204	160	109	2	270
1945-030		2190m	643	216	63	279	150	213	2	364
1945-031		2192m	616	201	53	254	212	148	2	362
1945-032		2195m	452	177	50	226	75	149	2	226

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

TABLE 5
CONCENTRATION (PPM) OF EXTRACTED C₁₅₊ MATERIAL IN ROCK

JOB 1945 GEOCHEM SAMPLE NUMBER	L I T H O	DEPTH/ IDENTITY	TOTAL EXTRACT	HYDROCARBONS			NON HYDROCARBONS			
				Saturates	Aromatics	TOTAL	Precipd. Asphaltenes	Eluted NSO's	Non-Eluted NSO's	TOTAL
1945-033		2197m	608	236	61	296	107	204	1	312
1945-034		2200m	822	344	72	416	198	206	2	406
1945-035		2202m	799	369	77	445	123	228	2	354
1945-036		2205m	881	469	72	511	143	193	4	340
1945-037		2207m	825	492	72	561	71	187	3	261
1945-038		2210m	850	567	77	645	28	174	3	205
1945-039		2212m	1041	615	82	696	108	231	3	345
1945-040		2215m	1135	635	90	725	199	211	1	410
1945-041		2217m	1031	585	91	676	139	215	1	355
1945-042		2220m	1000	541	80	621	140	237	2	379
1945-043		2222m	949	499	70	569	170	209	1	380
1945-044		2225m	664	339	47	386	118	159	2	278
1945-045		2227m	1093	604	72	677	215	198	3	116
1945-046		2230m	1442	662	121	783	399	258	1	658
1945-047		2232m	1139	650	79	729	178	227	5	109
1945-048		2235m	1372	636	99	735	254	379	4	637
1945-049		2237m	959	446	73	519	171	266	3	440
1945-050		2240m	1141	559	75	634	179	324	4	507
1945-051		2242m	516	242	34	276	119	118	2	239
1945-052		2245m	690	352	66	418	102	168	3	273
1945-053		2247m	904	438	71	509	162	228	4	394
1945-054		2250m	384	218	37	255	50	77	3	129
1945-055		2252m	666	361	39	401	165	98	2	265
1945-056		2255m	874	531	69	600	97	175	2	274
1945-057		2257m	1928	1260	144	1405	222	298	3	523
1945-058		2260m	447	274	35	310	20	114	2	137
1945-059		2262m	659	223	28	251	295	111	2	407
1945-060		2265m	457	186	34	219	112	123	3	238
1945-061		2267m	423	195	29	225	111	86	2	199
1945-062		2270m	733	357	62	419	139	173	2	314
1945-063		2272m	809	430	78	508	123	176	2	301
1945-064		2275m	942	563	86	649	128	161	3	292
1945-065		2277m	921	552	73	625	137	155	4	296
1945-066		2280m	793	419	73	492	123	174	3	300

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

TABLE 5
CONCENTRATION (PPM) OF EXTRACTED C₁₅ MATERIAL IN ROCK

JOB 1945 GEOCHEM SAMPLE NUMBER	L I T H O	DEPTH/ IDENTITY	TOTAL EXTRACT	HYDROCARBONS			NON HYDROCARBONS			
				Saturates	Aromatics	TOTAL	Preciptd. Asphaltenes	Eluted NSO's	Non-Eluted NSO's	TOTAL
1945-067		2282m	527	338	36	374	84	66	3	153
1945-068		2285m	1164	660	84	743	251	165	5	420
1945-069		2287m	808	491	65	556	123	128	1	252
1945-070		2290m	1039	581	106	686	150	202	1	353
1945-071		2292m	966	431	132	563	168	234	1	402
1945-072		2295m	1195	592	116	738	178	277	2	457
1945-073		2297m	1011	465	108	574	214	224	2	440
1945-074		2300m	1400	711	111	855	259	281	3	546
1945-075		2302m	1016	471	82	555	256	232	2	490
1945-076		2305m	401	185	32	217	92	91	1	181
1945-077		2307m	389	125	10	142	89	156	2	247
1945-078		2310m	265	82	17	99	44	120	1	166
1945-079		2312m	301	118	17	135	35	131	2	167
1945-080		2315m	538	230	35	265	93	179	2	273

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

TABLE 5
CONCENTRATION (PPM) OF EXTRACTED C₁₅₊ MATERIAL IN ROCK

JOB 1945 GEOCHEM SAMPLE NUMBER	L I T H O	DEPTH/ IDENTITY	TOTAL EXTRACT	HYDROCARBONS			NON HYDROCARBONS			
				Saturates	Aromatics	TOTAL	Preciptd. Asphaltenes	Eluted NSO's	Non-Eluted NSO's	TOTAL

WELL: 7219/9-1 SIDE TRACK

1945-081	2252m	1859	1378	117	1495	138	222	4	364
1945-082	2255m	2042	1538	129	1667	122	249	4	375
1945-083	2257m	2421	1533	174	1707	481	229	4	714
1945-084	2260m	1563	1155	134	1289	117	153	3	274
1945-085	2262m	1440	1073	119	1192	102	143	4	248
1945-086	2265m	1585	1188	131	1319	130	129	7	266
1945-087	2267m	2692	1959	223	2182	236	265	9	510
1945-088	2270m	2271	1627	183	1810	232	226	3	461
1945-089	2272m	2534	1527	197	1724	568	239	3	810
1945-090	2275m	3646	2239	337	2576	637	427	6	1071
1945-091	2277m	2858	1810	234	2043	418	390	6	814
1945-092	2280m	2747	1743	224	1967	410	362	8	780
1945-093	2282m	2744	1593	219	1811	506	421	6	932
1945-094	2285m	2742	1647	199	1845	534	357	6	897
1945-095	2287m	2483	1443	192	1635	500	343	4	847
1945-096	2290m	2531	1478	189	1667	488	367	8	863
1945-097	2295m	2300	961	225	1186	565	544	4	1114
1945-098	2297m	1954	647	168	814	667	468	4	1139
1945-099	2300m	1434	649	110	760	279	392	4	675

TABLE 6
COMPOSITION (NORMALISED %) OF C₁₅₊ MATERIAL

JOB 1945 GEOCHEM SAMPLE NUMBER	L I T H O	DEPTH/ IDENTITY	HYDROCARBONS		NON HYDROCARBONS		
			Saturates	Aromatics	Precipitd. Asphaltenes	Eluted NSO's	Non-Eluted NSO's
1945-001		2117m	22.98	19.67	24.64	32.38	0.33
1945-002		2120m	45.66	11.17	19.03	23.59	0.55
1945-003		2122m	34.48	12.30	15.12	37.50	0.60
1945-004		2125m	45.97	13.92	10.72	29.06	0.33
1945-005		2127m	54.21	12.80	13.11	19.46	0.42
1945-006		2130m	58.49	13.01	10.98	17.07	0.46
1945-007		2132m	69.83	7.53	10.38	11.49	0.26
1945-008		2135m	64.65	8.50	16.19	10.37	0.29
1945-009		2137m	64.75	9.47	14.31	11.13	0.35
1945-010		2140m	54.08	8.79	23.33	13.49	0.31
1945-011		2142m	51.62	9.95	18.83	19.29	0.31
1945-012		2145m	57.98	9.01	17.41	15.09	0.51
1945-013		2147m	64.80	7.68	9.92	17.15	0.45
1945-014		2150m	55.34	8.44	21.17	14.81	0.25
1945-015		2152m	56.38	9.86	22.48	10.99	0.28
1945-016		2155m	52.84	10.84	27.06	9.04	0.22
1945-017		2157m	57.54	12.24	18.70	11.28	0.24
1945-018		2160m	44.87	16.67	17.27	20.92	0.28
1945-019		2162m	15.44	16.43	19.68	18.09	0.36
1945-020		2165m	43.31	15.09	23.11	17.76	0.73
1945-021		2167m	44.22	14.85	21.56	18.98	0.39
1945-022		2170m	45.96	15.34	20.31	17.85	0.55
1945-023		2172m	49.48	12.73	17.09	20.47	0.23
1945-024		2175m	57.12	12.29	10.74	19.61	0.24
1945-025		2177m	51.25	14.06	10.14	24.20	0.36
1945-026		2180m	46.26	12.98	14.42	25.82	0.52
1945-027		2182m	58.62	11.45	8.14	21.38	0.41
1945-028		2185m	54.62	12.83	6.90	25.10	0.55
1945-029		2187m	32.70	10.27	33.77	22.90	0.35
1945-030		2190m	33.62	9.75	23.31	33.05	0.28
1945-031		2192m	32.66	8.63	34.39	24.03	0.29
1945-032		2195m	39.07	11.04	16.56	32.91	0.42
1945-033		2197m	38.79	9.97	17.60	33.49	0.16
1945-034		2200m	41.84	8.74	24.14	25.06	0.23
1945-035		2202m	46.14	9.60	15.46	28.57	0.23
1945-036		2205m	53.18	8.22	16.23	21.93	0.44
1945-037		2207m	59.65	8.74	8.64	22.66	0.30
1945-038		2210m	66.77	9.12	3.35	20.44	0.31
1945-039		2212m	59.05	7.83	10.35	22.50	0.27
1945-040		2215m	55.95	7.91	17.52	18.55	0.07
1945-041		2217m	56.74	8.84	13.49	20.84	0.09
1945-042		2220m	54.07	8.03	14.03	23.66	0.21
1945-043		2222m	52.63	7.38	17.88	22.00	0.13
1945-044		2225m	51.03	7.07	17.74	23.91	0.26
1945-045		2227m	55.29	6.62	19.69	18.14	0.26
1945-046		2230m	45.95	8.38	27.69	17.92	0.06
1945-047		2232m	57.09	6.97	15.61	19.94	0.40
1945-048		2235m	46.31	7.25	18.54	27.58	0.32
1945-049		2237m	46.52	7.58	17.86	27.70	0.35
1945-050		2240m	49.01	6.55	15.71	28.41	0.32
1945-051		2242m	46.98	6.58	23.13	22.95	0.36
1945-052		2245m	50.98	9.52	14.73	24.38	0.39
1945-053		2247m	48.48	7.89	17.97	25.19	0.48

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

TABLE 6
COMPOSITION (NORMALISED %) OF C1s MATERIAL

JOB 1945	LITHO	DEPTH/ IDENTITY	HYDROCARBONS		NON HYDROCARBONS		
GEOCHEM SAMPLE NUMBER			Saturates	Aromatics	Preciptd. Asphaltenes	Eluted NSO's	Non-Eluted NSO's
1945-054		2250m	56.71	9.65	12.94	20.00	0.71
1945-055		2252m	54.28	5.92	24.81	14.74	0.25
1945-056		2255m	60.72	7.92	11.09	20.06	0.21
1945-057		2257m	65.37	7.49	11.53	15.47	0.14
1945-058		2260m	61.46	7.92	4.58	25.63	0.42
1945-059		2262m	33.86	1.30	44.76	16.79	0.29
1945-060		2265m	40.57	7.38	24.59	26.84	0.61
1945-061		2267m	46.10	6.93	26.19	20.35	0.43
1945-062		2270m	48.68	8.50	18.94	23.65	0.23
1945-063		2272m	53.15	9.70	15.17	21.78	0.21
1945-064		2275m	59.82	9.14	13.59	17.11	0.34
1945-065		2277m	59.92	7.94	14.91	16.84	0.39
1945-066		2280m	52.84	9.26	15.56	21.98	0.37
1945-067		2282m	64.13	6.78	15.87	12.56	0.66
1945-068		2285m	56.68	7.19	21.58	14.15	0.40
1945-069		2287m	60.74	8.05	15.25	15.79	0.18
1945-070		2290m	55.88	10.17	14.39	19.42	0.14
1945-071		2292m	44.62	13.71	17.35	24.21	0.11
1945-072		2295m	49.51	12.21	14.93	23.19	0.16
1945-073		2297m	45.88	10.69	21.10	22.09	0.24
1945-074		2300m	52.90	8.14	18.47	20.30	0.18
1945-075		2302m	45.29	7.83	24.52	22.18	0.19
1945-076		2305m	46.19	7.99	22.97	22.60	0.25
1945-077		2307m	32.23	4.20	22.80	40.25	0.51
1945-078		2310m	31.10	6.33	16.76	45.44	0.37
1945-079		2312m	39.04	5.65	11.46	43.36	0.50
1945-080		2315m	42.73	6.50	17.30	33.17	0.29

TABLE 6
COMPOSITION (NORMALISED %) OF C₁₅₊ MATERIAL

3 1945 GEOCHEM SAMPLE NUMBER	L I T H O	DEPTH/ IDENTITY	HYDROCARBONS		NON HYDROCARBONS		
			Saturates	Aromatics	Preciptd. Asphaltenes	Eluted NSO's	Non-Eluted NSO's

WELL: 7219/9-1 SIDE TRACK

1945-081	2252m	74.11	6.29	7.45	11.93	0.22
1945-082	2255m	75.32	6.30	5.96	12.21	0.22
1945-083	2257m	63.30	7.20	19.87	9.45	0.18
1945-084	2260m	73.90	8.59	7.50	9.80	0.21
1945-085	2262m	74.52	8.24	7.07	9.92	0.25
1945-086	2265m	74.98	8.25	8.19	8.16	0.43
1945-087	2267m	72.78	8.27	8.76	9.85	0.35
1945-088	2270m	71.63	8.08	10.21	9.96	0.12
1945-089	2272m	60.26	7.76	22.40	9.45	0.13
1945-090	2275m	61.40	9.24	17.48	11.72	0.17
1945-091	2277m	63.33	8.18	14.63	13.66	0.21
1945-092	2280m	63.45	8.16	14.91	13.18	0.30
1945-093	2282m	58.05	7.97	18.43	15.33	0.22
1945-094	2285m	60.05	7.24	19.46	13.02	0.22
1945-095	2287m	58.12	7.74	20.15	13.81	0.17
1945-096	2290m	58.41	7.47	19.29	14.51	0.31
1945-097	2295m	41.77	9.79	24.57	23.67	0.20
1945-098	2297m	33.10	8.58	34.15	23.94	0.22
1945-099	2300m	45.27	7.69	19.45	27.33	0.26

TABLE 7
SIGNIFICANT C₁₅₊ RATIOS

JOB 1945 GEOCHEM SAMPLE NUMBER	L I T H O	DEPTH/ IDENTITY	TOC (%)	mg/g TOC						HYDROCARBONS % TOTAL EXTRACT	SATURATES AROMATICS
				TOTAL EXTRACT	SATURATES	AROMATICS	TOTAL HYDROCARBONS	ELUTED NSO's	ASPIALTENES		
1945-001		2117m	1.21	59.98	13.79	11.80	25.58	19.42	14.78	42.65	1.17
1945-002		2120m	1.12	70.51	32.19	7.88	40.07	16.63	13.42	56.83	4.09
1945-003		2122m	1.09	44.14	15.22	5.43	20.64	16.55	6.67	46.77	2.80
1945-004		2125m	1.06	64.68	29.73	9.01	38.71	18.80	6.93	59.89	3.30
1945-005		2127m	1.05	86.26	46.77	11.01	57.81	16.79	11.31	67.01	4.24
1945-006		2130m	0.91	101.42	59.32	13.19	72.51	17.31	11.13	71.49	4.50
1945-007		2132m	0.95	136.07	95.02	10.25	105.26	15.64	11.81	77.36	9.27
1945-008		2135m	1.07	112.06	72.44	9.53	81.97	11.62	18.14	73.15	7.60
1945-009		2137m	1.08	91.27	59.10	8.61	67.74	10.15	13.06	74.22	6.84
1945-010		2140m	1.23	40.54	21.93	3.56	25.49	5.47	9.46	62.87	6.15
1945-011		2142m	1.36	82.94	42.81	8.26	51.07	16.00	15.61	61.57	5.19
1945-012		2145m	1.33	72.33	41.94	6.51	48.45	10.92	12.59	66.98	6.44
1945-013		2147m	0.93	138.78	89.93	10.66	100.59	23.80	13.76	72.48	8.44
1945-014		2150m	1.37	81.86	45.30	6.91	52.21	12.12	17.33	63.77	6.56
1945-015		2152m	1.40	54.65	30.81	5.39	36.20	6.01	12.29	66.24	5.72
1945-016		2155m	1.64	69.61	36.78	7.54	44.32	6.29	18.84	63.67	4.88
1945-017		2157m	1.65	64.58	37.16	7.91	45.07	7.28	12.07	69.78	4.70
1945-018		2160m	1.80	52.35	23.49	8.72	32.21	10.95	9.04	61.53	2.69
1945-019		2162m	1.76	45.60	20.72	7.49	28.21	8.25	8.97	61.87	2.77
1945-020		2165m	1.89	14.32	6.42	2.24	8.66	2.63	3.43	58.39	2.87
1945-021		2167m	1.66	72.72	32.16	10.80	42.96	13.80	15.68	59.08	2.98
1945-022		2170m	1.57	61.67	28.35	9.46	37.81	11.01	12.52	61.30	3.00
1945-023		2172m	0.99	88.28	43.68	11.24	54.92	18.07	15.09	62.21	3.89
1945-024		2175m	0.99	61.30	35.02	7.53	42.55	12.02	6.58	69.41	4.65
1945-025		2177m	0.92	62.65	32.11	8.81	40.91	15.16	6.35	65.30	3.65
1945-026		2180m	1.04	38.80	17.95	5.03	22.98	10.02	5.59	59.24	3.57
1945-027		2182m	0.78	44.43	26.05	5.09	31.13	9.50	3.62	70.07	5.12
1945-028		2185m	1.15	33.09	18.08	4.25	22.32	8.31	2.28	67.45	1.26
1945-029		2187m	1.39	34.12	11.16	3.50	14.66	7.81	11.52	42.98	3.18
1945-030		2190m	1.06	60.67	20.39	5.91	26.31	20.05	14.14	43.36	3.45
1945-031		2192m	1.57	39.24	12.82	3.39	16.21	9.43	13.50	41.30	3.78
1945-032		2195m	1.17	38.63	15.09	4.27	19.36	12.71	6.40	50.11	3.54

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

TABLE 7
SIGNIFICANT C₁₅ RATIOS

JOB 1945 GEOCHEM SAMPLE NUMBER	L I T H O	DEPTH/ IDENTITY	TOC (%)	mg/g TOC						HYDROCARBONS % TOTAL EXTRACT	SATURATES AROMATICS
				TOTAL EXTRACT	SATURATES	AROMATICS	TOTAL HYDROCARBONS	ELUTED NSO's	ASPHALTENES		
1945-033		2197m	1.11	43.12	16.72	4.30	21.02	14.44	7.59	48.75	3.89
1945-034		2200m	1.19	69.10	28.91	6.04	34.95	17.32	16.68	50.57	1.79
1945-035		2202m	0.80	99.86	46.07	9.59	55.66	28.53	15.44	55.74	1.80
1945-036		2205m	0.82	107.46	57.15	8.84	65.98	23.57	17.44	61.40	6.17
1945-037		2207m	0.91	90.64	51.07	7.92	61.99	20.51	7.83	68.39	6.83
1945-038		2210m	1.01	81.11	56.16	7.67	63.83	17.19	2.82	75.89	7.32
1945-039		2212m	1.19	87.50	51.66	6.85	58.52	19.69	9.06	66.88	7.51
1945-040		2215m	0.89	127.54	71.36	10.09	81.11	23.66	22.31	63.86	7.07
1945-041		2217m	0.98	105.17	59.68	9.29	68.97	21.91	11.19	65.58	6.12
1945-042		2220m	0.91	109.89	59.12	8.82	68.21	26.00	15.41	62.10	6.73
1945-043		2222m	0.93	102.04	53.70	7.53	61.23	22.45	18.24	60.00	7.14
1945-044		2225m	1.15	57.77	29.48	4.08	33.56	13.81	10.25	58.10	7.22
1945-045		2227m	1.12	97.59	53.96	6.46	60.42	17.71	19.22	61.91	8.35
1945-046		2230m	1.25	115.33	52.99	9.66	62.66	20.67	31.94	54.33	5.18
1945-047		2232m	1.11	102.57	58.55	7.14	65.70	20.45	16.01	64.05	8.20
1945-048		2235m	1.45	94.65	43.83	6.86	50.69	26.10	17.54	53.56	6.39
1945-049		2237m	1.51	63.51	29.54	4.81	34.36	17.59	11.34	54.09	6.11
1945-050		2240m	1.37	83.32	40.84	5.46	46.29	23.67	13.09	55.56	7.48
1945-051		2242m	1.25	41.25	19.38	2.72	22.09	9.47	9.54	53.56	7.11
1945-052		2245m	1.59	43.42	22.13	4.13	26.27	10.59	6.40	60.50	5.36
1945-053		2247m	1.57	57.57	27.91	4.54	32.45	14.50	10.34	56.37	6.14
1945-054		2250m	1.27	30.26	17.16	2.92	20.08	6.05	3.92	66.35	5.88
1945-055		2252m	1.07	62.20	33.76	3.68	37.45	9.17	15.43	60.20	9.17
1945-056		2255m	0.99	88.33	53.63	7.00	60.62	17.72	9.79	68.61	7.67
1945-057		2257m	1.20	160.65	105.02	12.04	117.05	24.85	18.52	72.86	8.72
1945-058		2260m	1.05	42.53	26.14	3.37	29.50	10.90	1.95	69.38	7.76
1945-059		2262m	1.01	65.23	22.09	2.81	24.89	10.95	29.20	38.16	7.87
1945-060		2265m	1.06	43.15	17.51	3.18	20.69	11.58	10.61	47.95	5.50
1945-061		2267m	1.06	39.95	18.42	2.77	21.19	8.13	10.46	53.03	6.66
1945-062		2270m	1.23	59.61	29.02	5.06	34.08	14.10	11.29	57.18	5.73
1945-063		2272m	1.54	52.52	27.91	5.10	33.01	11.44	7.97	62.85	5.48
1945-064		2275m	1.48	63.62	38.05	5.82	43.87	10.89	8.65	68.96	6.54
1945-065		2277m	1.56	59.07	35.40	4.69	40.09	9.95	8.81	67.86	7.55
1945-066		2280m	1.51	52.49	27.73	4.86	32.59	11.53	8.16	62.10	5.71

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

TABLE 7
SIGNIFICANT C₁₅₊ RATIOS

JOB 1945 GEOCHEM SAMPLE NUMBER	L I T H O	DEPTH/ IDENTITY	TOC (%)	mg/g TOC						HYDROCARBONS % TOTAL EXTRACT	SATURATES AROMATIC
				TOTAL EXTRACT	SATURATES	AROMATICS	TOTAL HYDROCARBONS	ELUTED NSO's	ASPHALTENES		
1945-067		2282m	1.31	40.26	25.82	2.73	28.55	5.06	6.39	70.91	9.46
1945-068		2285m	1.25	93.10	52.77	6.70	59.47	13.17	20.09	63.87	7.88
1945-069		2287m	1.14	70.90	43.07	5.71	48.77	11.20	10.81	68.78	7.55
1945-070		2290m	1.68	61.87	34.57	6.29	40.86	12.02	8.90	66.04	5.50
1945-071		2292m	3.27	29.54	13.18	1.05	17.23	7.15	5.13	58.33	3.25
1945-072		2295m	3.05	39.18	19.40	1.79	21.18	9.09	5.85	61.72	1.05
1945-073		2297m	2.43	41.72	19.15	1.16	23.61	9.22	8.80	56.58	1.29
1945-074		2300m	2.99	16.83	24.78	3.81	28.59	9.51	8.65	61.01	6.50
1945-075		2302m	1.71	61.15	27.69	1.79	32.18	13.56	14.99	53.12	5.78
1945-076		2305m	0.89	45.01	20.79	3.59	21.39	10.17	10.34	51.18	5.78
1945-077		2307m	0.80	48.58	15.66	2.04	17.70	19.55	11.08	36.43	7.67
1945-078		2310m	0.92	28.82	8.96	1.83	10.79	13.10	4.83	37.43	4.91
1945-079		2312m	1.20	25.11	9.80	1.42	11.22	10.89	2.88	44.68	6.91
1945-080		2315m	0.86	62.60	26.75	4.07	30.82	20.77	10.83	49.24	6.57

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

TABLE 7
SIGNIFICANT C₁₅₊ RATIOS

JOB 1945 GEOCHEM SAMPLE NUMBER	L I T H O	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 SIDE TRACK

.945-081		2252m	0.38	489.18	362.55	30.77	393.32	58.36	36.43	80.40	11.78
.945-082		2255m	0.50	408.41	307.62	25.72	333.33	49.85	24.33	81.62	11.96
.945-083		2257m	0.65	372.49	235.79	26.81	262.60	35.20	74.02	70.50	8.79
.945-084		2260m	0.53	294.88	217.92	25.33	243.25	28.88	22.13	82.49	8.60
.945-085		2262m	0.38	378.92	282.36	31.24	313.60	37.59	26.78	82.76	9.04
.945-086		2265m	0.35	452.77	339.51	37.34	376.85	36.92	37.06	83.23	9.09
.945-087		2267m	0.46	585.32	425.96	48.40	474.36	57.63	51.27	81.04	8.80
.945-088		2270m	0.36	630.82	451.84	50.95	502.79	62.85	64.40	79.70	8.87
.945-089		2272m	0.36	704.03	424.27	54.63	478.90	66.53	157.72	68.02	7.77
.945-090		2275m	1.33	274.14	168.32	25.33	193.65	32.12	47.91	70.64	6.64
.945-091		2277m	1.31	218.14	138.15	17.84	155.99	29.79	31.91	71.51	7.74
.945-092		2280m	1.17	234.83	149.00	19.15	168.15	30.94	35.02	71.61	7.78
.945-093		2282m	1.36	201.74	117.10	16.07	133.18	30.92	37.18	66.02	7.29
.945-094		2285m	0.84	326.42	196.02	23.64	219.66	42.49	63.53	67.29	8.29
.945-095		2287m	1.12	221.66	128.84	17.16	145.99	30.62	44.67	65.86	7.51
.945-096		2290m	1.16	218.16	127.43	16.30	143.74	31.67	42.08	65.88	7.82
.945-097		2295m	3.18	72.31	30.21	7.08	37.28	17.12	17.77	51.56	4.27
.945-098		2297m	2.65	73.72	24.40	6.33	30.73	17.65	25.18	41.68	3.86
.945-099		2300m	1.62	88.55	40.09	6.81	46.89	24.20	17.22	52.96	5.89

TABLE 8
COMPOSITION (NORMALISED %) OF C₁₅₊ SATURATE (PARAFFIN - NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	001	002	003	004	005	006
DEPTH	2117m	2120m	2122m	2125m	2127m	2130m
SAMPLE TYPE						
nC15	6.23	7.43	6.02	6.39	6.50	10.04
nC16	6.93	7.78	8.17	7.66	7.13	10.20
nC17	7.82	7.39	7.90	7.60	7.08	9.57
nC18	7.85	7.75	6.96	8.22	7.14	9.49
nC19	7.64	6.63	5.89	7.70	6.62	9.25
nC20	8.16	6.22	5.96	8.69	6.88	8.25
nC21	7.82	6.86	5.09	6.77	6.67	8.33
nC22	6.84	6.24	5.22	8.15	6.51	7.88
nC23	6.60	6.28	5.22	6.86	6.02	6.52
nC24	5.77	5.64	5.29	6.28	6.01	5.17
nC25	5.31	6.05	5.09	6.15	5.33	4.14
nC26	4.34	5.25	4.28	4.81	4.86	3.06
nC27	4.25	5.03	4.55	3.84	4.78	2.68
nC28	3.67	4.50	4.08	3.32	4.31	1.85
nC29	3.63	3.44	4.08	2.58	3.99	1.43
nC30	2.29	2.36	3.28	1.65	2.98	0.86
nC31	1.80	1.77	3.01	1.22	2.41	0.54
nC32	1.04	1.12	2.54	0.68	1.54	0.26
nC33	0.92	0.99	2.54	0.63	1.44	0.30
nC34	0.64	0.76	2.41	0.47	1.06	0.18
nC35	0.46	0.51	2.41	0.32	0.73	0.00
Paraffin	41.70	31.85	33.52	43.32	42.24	36.05
Isoprenoid	5.85	4.42	3.50	6.39	5.16	7.06
Naphthene	52.43	63.49	62.97	50.27	52.59	56.87
CPI 1 Index	1.06	1.08	1.01	0.95	1.00	1.05
CPI 2 Index	1.13	1.07	1.08	1.09	1.06	1.13
CPI 3 Index	1.06	1.03	1.09	0.94	1.04	1.09
Prist/Phytane	2.00	1.82	1.65	1.85	1.59	1.91
Prist/nC17	0.79	0.75	0.72	0.80	0.75	0.58
Phytane/nC18	0.39	0.39	0.33	0.40	0.46	0.30

Job Number : 1945

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

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

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

CT - ditch cuttings CO - core SWC - sidewall core

TABLE 8
COMPOSITION (NORMALISED %) OF C₁₅₊ SATURATE (PARAFFIN - NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	007	008	009	010	011	012
DEPTH	2132m	2135m	2137m	2140m	2142m	2145m
SAMPLE TYPE						
nC15	8.35	9.37	8.08	7.52	7.70	9.84
nC16	8.07	9.43	8.24	7.45	7.41	8.15
nC17	7.78	8.10	8.02	7.43	7.45	7.71
nC18	7.82	8.26	7.84	7.25	8.22	9.55
nC19	7.86	8.24	8.19	6.90	7.55	8.28
nC20	7.40	7.95	7.49	7.06	7.11	7.81
nC21	7.35	7.63	7.11	6.35	6.52	6.74
nC22	6.65	7.01	6.99	6.28	6.54	6.30
nC23	6.62	6.57	6.63	5.76	7.39	6.20
nC24	6.00	6.61	5.79	6.17	6.48	5.54
nC25	4.99	5.45	5.21	5.15	5.97	5.20
nC26	4.51	4.15	4.87	5.08	5.22	3.88
nC27	4.33	3.14	4.04	5.09	4.41	3.91
nC28	2.83	2.29	3.40	4.23	3.33	3.20
nC29	2.90	2.03	2.85	3.92	3.09	2.86
nC30	1.92	1.22	1.85	2.58	1.93	1.82
nC31	1.49	0.90	1.31	1.99	1.36	1.27
nC32	0.97	0.76	0.71	1.20	0.75	0.65
nC33	0.93	0.54	0.71	1.15	0.73	0.55
nC34	0.74	0.37	0.45	0.84	0.51	0.32
nC35	0.51	0.00	0.22	0.60	0.35	0.19
Paraffin	50.78	47.50	34.74	49.77	43.20	40.75
Isoprenoid	6.34	7.95	5.45	7.09	5.69	6.80
Napthene	42.87	44.53	59.79	43.12	51.10	52.49
CPI 1 Index	1.06	1.01	1.00	0.97	1.04	1.05
CPI 2 Index	1.12	1.09	1.04	1.06	1.10	1.15
CPI 3 Index	1.18	0.98	0.98	1.09	1.03	1.10
Prist/Phytane	1.66	1.84	1.95	1.74	1.94	2.55
Prist/nC17	0.81	0.74	0.91	0.74	0.70	0.78
Phytane/nC18	0.48	0.39	0.48	0.43	0.33	0.23

Job Number : 1945

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

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

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

CT - ditch cuttings CO - core SWC - sidewall core

TABLE 8
COMPOSITION (NORMALISED %) OF C₁₅₊ SATURATE (PARAFFIN - NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	013	014	015	016	017	018
DEPTH	2147m	2150m	2152m	2155m	2157m	2160m
SAMPLE TYPE						
nC15	8.41	9.73	9.01	8.96	10.54	10.22
nC16	8.33	9.90	9.41	9.22	10.22	9.63
nC17	8.46	9.14	8.96	8.72	8.74	10.43
nC18	7.69	8.49	8.31	7.16	9.06	9.28
nC19	7.10	7.54	7.85	7.89	9.00	8.01
nC20	6.83	7.69	7.27	6.99	8.12	8.06
nC21	6.97	6.38	6.62	6.95	7.12	7.57
nC22	6.26	7.06	6.53	6.64	6.19	6.61
nC23	5.71	6.63	6.42	6.27	5.54	6.20
nC24	6.10	5.64	5.82	6.09	5.23	4.90
nC25	5.56	5.31	4.62	4.62	4.68	4.55
nC26	4.76	4.56	4.36	4.40	3.30	3.80
nC27	4.38	3.71	3.80	3.67	3.20	3.02
nC28	3.69	2.79	2.99	3.20	2.20	2.16
nC29	3.16	2.16	3.12	3.10	2.13	1.89
nC30	1.99	1.21	1.97	1.94	1.34	1.08
nC31	1.54	0.89	1.33	1.51	1.11	0.89
nC32	0.98	0.37	0.53	0.84	0.69	0.51
nC33	0.90	0.43	0.58	0.84	0.72	0.53
nC34	0.68	0.24	0.34	0.60	0.52	0.39
nC35	0.50	0.15	0.18	0.39	0.35	0.27
Paraffin	45.10	33.71	35.15	45.53	51.27	47.00
Isoprenoid	6.75	5.57	6.65	7.11	8.80	8.39
Naphthene	48.13	60.70	58.19	47.35	39.91	44.59
CPI 1 Index	1.02	0.99	0.99	0.97	1.06	1.07
CPI 2 Index	1.08	1.10	1.08	1.03	1.20	1.12
CPI 3 Index	1.04	1.01	1.03	0.97	1.16	1.01
Prist/Phytane	1.97	2.21	1.89	1.69	1.73	1.91
Prist/nC17	0.67	0.74	0.64	0.62	0.86	0.61
Phytane/nC18	0.38	0.34	0.36	0.44	0.47	0.35

Job Number : 1945

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

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

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

) CT - ditch cuttings CO - core SWC - sidewall core

TABLE 8
COMPOSITION (NORMALISED %) OF C₁₅₊ SATURATE (PARAFFIN - NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	019	020	021	022	023	024
DEPTH	2162m	2165m	2167m	2170m	2172m	2175m
SAMPLE TYPE						
nC15	11.83	9.19	10.76	8.22	8.53	8.97
nC16	10.10	9.05	10.82	9.36	9.70	8.62
nC17	10.62	10.01	8.95	9.47	8.52	9.11
nC18	9.92	8.64	8.54	8.78	8.02	8.79
nC19	8.36	8.09	8.57	9.00	7.94	9.17
nC20	7.94	7.13	6.56	7.28	7.77	7.67
nC21	7.11	7.27	7.31	8.08	7.20	7.10
nC22	6.05	6.17	5.84	6.17	6.98	6.71
nC23	5.86	6.10	6.62	6.19	6.72	6.86
nC24	4.41	5.69	5.98	6.11	6.60	6.10
nC25	4.64	5.97	4.89	5.28	5.09	5.07
nC26	2.83	4.25	3.42	4.03	3.99	3.70
nC27	2.85	3.70	3.87	3.44	3.49	3.44
nC28	2.22	2.54	2.22	2.42	2.62	2.73
nC29	1.86	2.13	1.95	2.22	2.13	2.14
nC30	1.27	1.17	1.14	1.31	1.44	1.36
nC31	1.00	0.96	0.95	0.94	1.13	0.98
nC32	0.51	0.41	0.50	0.53	0.66	0.75
nC33	0.08	0.55	0.53	0.56	0.66	0.43
nC34	0.36	0.55	0.33	0.39	0.49	0.26
nC35	0.16	0.41	0.25	0.22	0.32	0.04
Paraffin	36.91	51.87	42.63	38.98	30.20	37.69
Isoprenoid	7.18	9.18	7.99	7.23	3.64	5.28
Naphthene	55.89	39.95	49.37	53.78	74.00	57.01
CPI 1 Index	1.14	1.11	1.17	1.10	1.00	1.05
CPI 2 Index	1.24	1.23	1.26	1.14	1.08	1.10
CPI 3 Index	1.13	1.09	1.37	1.07	1.06	1.07
Prist/Phytane	2.12	2.05	1.94	1.80	1.63	2.01
Prist/nC17	0.70	0.54	0.59	0.55	0.63	0.68
Phytane/nC18	0.35	0.31	0.32	0.33	0.41	0.35

Job Number : 1945

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

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

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

CT - ditch cuttings CO - core SWC - sidewall core

TABLE 8
COMPOSITION (NORMALISED %) OF C₁₅₊ SATURATE (PARAFFIN - NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	025	026	027	028	029	030
DEPTH	2177m	2180m	2182m	2185m	2187m	2190m
SAMPLE TYPE						
nC15	10.71	8.34	8.31	7.49	7.30	5.39
nC16	9.31	9.34	9.85	8.69	8.16	7.82
nC17	11.12	9.66	10.18	9.32	8.10	8.69
nC18	9.55	8.73	9.00	8.62	8.80	9.76
nC19	9.84	8.53	9.03	8.04	7.24	9.13
nC20	8.03	7.38	7.70	9.11	7.57	9.03
nC21	6.69	6.85	6.98	8.32	7.10	7.33
nC22	6.87	6.19	7.55	7.58	6.84	6.84
nC23	5.76	5.70	6.55	7.12	7.24	7.43
nC24	5.36	5.59	6.25	5.66	6.14	6.31
nC25	4.25	4.87	4.89	5.22	5.64	5.73
nC26	3.09	3.85	3.68	3.80	4.25	4.22
nC27	2.85	3.69	3.14	3.18	3.92	3.69
nC28	1.92	2.77	2.66	2.57	3.32	2.86
nC29	1.69	2.65	1.36	1.99	2.66	2.18
nC30	0.87	1.73	1.06	1.14	1.79	1.31
nC31	0.58	1.41	0.79	0.86	1.39	1.02
nC32	0.76	0.84	0.48	0.39	0.83	0.44
nC33	0.41	0.85	0.36	0.46	0.80	0.53
nC34	0.23	0.62	0.15	0.28	0.53	0.29
nC35	0.12	0.41	0.03	0.16	0.40	0.00
Paraffin	45.67	38.69	36.25	31.47	36.13	22.15
Isoprenoid	8.89	7.77	4.06	5.05	4.64	3.45
Naphthene	45.42	61.30	59.67	63.46	59.21	74.39
CPI 1 Index	0.99	1.03	0.96	1.06	1.06	1.06
CPI 2 Index	1.12	1.14	1.02	1.14	1.11	1.14
CPI 3 Index	1.14	1.11	0.99	1.00	1.04	1.04
Prist/Phytane	2.00	1.71	1.82	1.75	1.97	2.36
Prist/nC17	0.60	0.68	0.64	0.64	0.67	0.73
Phytane/nC18	0.34	0.44	0.39	0.39	0.31	0.27

Job Number : 1945

$$C.P.I. 1 = \frac{1}{2} \frac{C_{21} + C_{23} + C_{25} + C_{27} + C_{29}}{C_{20} + C_{22} + C_{24} + C_{26} + C_{28}} + \frac{C_{21} + C_{23} + C_{25} + C_{27}}{C_{22} + C_{24} + C_{26} + C_{28}}$$

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

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

CT - ditch cuttings CO - core SMC - sidewall core

TABLE 8
COMPOSITION (NORMALISED %) OF C₁₅+ SATURATE (PARAFFIN - NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	031	032	033	034	035	036
DEPTH	2192m	2195m	2197m	2200m	2202m	2205m
SAMPLE TYPE						
nC15	6.38	5.53	8.63	6.84	10.39	9.55
nC16	8.12	6.17	9.53	8.44	8.27	8.78
nC17	8.86	8.11	9.41	7.18	7.91	9.23
nC18	9.34	8.27	8.59	8.34	7.45	9.69
nC19	7.75	8.37	8.30	7.28	7.17	7.50
nC20	6.96	7.73	7.48	7.49	6.90	7.83
nC21	6.75	7.46	6.50	7.18	6.27	7.64
nC22	6.91	7.41	7.36	8.23	5.93	6.34
nC23	6.80	8.48	6.58	7.52	5.71	6.44
nC24	5.91	6.28	5.24	7.18	5.13	5.35
nC25	5.38	5.42	4.83	5.72	5.52	5.22
nC26	4.75	5.80	3.72	4.70	4.68	3.66
nC27	4.22	4.08	3.64	4.59	4.57	3.27
nC28	3.59	3.49	2.99	2.99	3.49	2.60
nC29	3.01	3.22	2.78	2.21	3.34	2.30
nC30	2.00	1.61	1.60	1.09	2.18	1.54
nC31	1.48	1.29	1.27	0.85	1.74	1.12
nC32	0.90	0.64	0.49	0.34	1.05	0.89
nC33	0.53	0.32	0.53	0.37	0.99	0.55
nC34	0.32	0.27	0.33	0.82	0.75	0.35
nC35	0.05	0.05	0.20	0.65	0.56	0.16
Paraffin	41.61	25.10	27.50	32.21	44.87	27.64
Isoprenoid	6.62	3.21	5.23	4.38	6.14	5.32
Naphthene	51.75	71.67	67.25	63.39	48.98	67.03
CPI 1 Index	1.02	1.02	1.01	0.99	1.06	1.12
CPI 2 Index	1.06	1.01	1.17	1.15	1.16	1.14
CPI 3 Index	1.01	0.88	1.08	1.19	1.12	1.04
Prist/Phytane	2.04	1.86	2.50	2.47	1.42	1.76
Prist/nC17	0.80	0.80	0.64	0.79	0.67	0.64
Phytane/nC18	0.37	0.42	0.28	0.27	0.50	0.34

Job Number : 1945

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

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

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

CT - ditch cuttings CO - core SWC - sidewall core

TABLE 8
COMPOSITION (NORMALISED %) OF C₁₅₊ SATURATE (PARAFFIN - NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	037	038	039	040	041	042
DEPTH	2207m	2210m	2212m	2215m	2217m	2220m
SAMPLE TYPE						
nC15	7.48	7.87	8.78	9.12	8.15	8.53
nC16	8.06	7.82	9.29	9.51	8.59	8.84
nC17	7.70	7.74	9.18	8.67	8.57	8.49
nC18	7.10	7.00	8.22	7.85	7.74	8.55
nC19	7.44	7.49	7.92	7.89	7.34	7.38
nC20	8.30	7.35	8.14	7.16	7.18	7.60
nC21	7.24	6.95	7.24	6.87	6.74	7.55
nC22	6.99	6.48	6.68	6.84	6.70	6.57
nC23	6.67	6.82	7.08	6.38	5.85	6.20
nC24	6.99	6.01	5.84	6.39	5.11	5.85
nC25	6.16	5.42	5.28	5.01	5.48	5.51
nC26	4.47	5.09	4.13	3.95	4.99	3.53
nC27	3.99	4.58	3.89	4.09	4.07	3.75
nC28	3.11	3.82	2.35	2.89	3.66	3.14
nC29	2.96	3.36	2.23	2.62	3.47	2.72
nC30	1.86	2.14	1.41	1.75	1.93	1.89
nC31	1.45	1.67	0.96	1.23	1.58	1.39
nC32	0.74	0.90	0.47	0.68	0.97	0.83
nC33	0.66	0.76	0.46	0.57	0.83	0.75
nC34	0.43	0.49	0.31	0.37	0.63	0.55
nC35	0.20	0.22	0.15	0.17	0.42	0.38
Paraffin	28.75	29.67	30.87	37.70	45.17	34.50
Isoprenoid	4.01	4.86	5.22	6.09	7.09	8.10
Naphthene	67.24	65.45	63.90	56.20	47.73	57.39
CPI 1 Index	1.01	1.03	1.09	1.02	1.00	1.09
CPI 2 Index	1.16	1.07	1.19	1.13	1.10	1.18
CPI 3 Index	1.05	1.03	1.20	1.20	0.94	1.12
Prist/Phytane	2.05	1.57	1.94	1.59	1.55	1.98
Prist/nC17	0.74	0.76	0.60	0.65	0.62	0.69
Phytane/nC18	0.39	0.53	0.34	0.45	0.44	0.34

Job Number : 1945

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

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

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

CT - ditch cuttings CO - core SWC - sidewall core

TABLE 8
COMPOSITION (NORMALISED %) OF C₁₅₊ SATURATE (PARAFFIN - NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	043	044	045	046	047	048
DEPTH	2222m	2225m	2227m	2230m	2232m	2235m
SAMPLE TYPE						
nC15	7.09	8.69	7.90	9.25	9.20	8.22
nC16	6.43	9.57	7.66	9.46	7.73	9.24
nC17	8.36	9.71	7.49	9.70	7.44	8.47
nC18	8.29	7.92	6.73	8.93	7.35	8.14
nC19	7.47	7.28	7.23	7.72	7.64	7.63
nC20	8.03	6.69	6.63	6.99	7.87	7.89
nC21	8.08	8.02	6.58	6.76	6.67	6.97
nC22	7.00	6.59	6.85	6.62	5.95	6.80
nC23	7.06	6.53	6.93	5.78	6.57	6.71
nC24	6.16	5.88	6.03	5.37	5.80	5.61
nC25	6.06	5.08	5.10	4.98	5.61	6.02
nC26	5.14	4.46	5.23	3.96	4.35	4.59
nC27	4.55	3.69	4.82	3.90	4.38	4.21
nC28	3.12	2.85	3.78	3.06	3.71	2.90
nC29	2.49	2.35	3.43	2.84	3.20	2.69
nC30	1.50	1.46	2.37	1.72	2.15	1.46
nC31	1.14	1.15	1.77	1.18	1.60	1.02
nC32	0.67	0.68	1.10	0.61	0.96	0.50
nC33	0.61	0.61	1.02	0.55	0.83	0.47
nC34	0.45	0.46	0.79	0.37	0.60	0.31
nC35	0.30	0.31	0.55	0.22	0.40	0.15
Paraffin	36.46	38.09	50.85	43.69	51.85	27.98
Isoprenoid	5.26	6.38	6.84	7.60	8.23	4.60
Naphthene	58.27	55.52	42.29	48.43	39.91	67.40
CPI 1 Index	1.09	1.08	1.01	1.03	1.07	1.08
CPI 2 Index	1.13	1.07	1.04	1.15	1.12	1.22
CPI 3 Index	1.10	1.01	1.07	1.11	1.09	1.12
Prist/Phytane	1.73	1.94	1.57	2.03	1.62	1.87
Prist/nC17	0.63	0.56	0.70	0.59	0.70	0.65
Phytane/nC18	0.36	0.35	0.50	0.31	0.43	0.36

Job Number : 1945

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

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

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

CT - ditch cuttings CO - core SMC - sidewall core

TABLE 8
COMPOSITION (NORMALISED %) OF C₁₅+ SATURATE (PARAFFIN - NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	049	050	051	052	053	054
DEPTH	2237m	2240m	2242m	2245m	2247m	2250m
SAMPLE TYPE						
nC15	8.56	7.10	5.16	8.26	9.80	8.23
nC16	9.55	8.23	7.68	10.32	9.15	8.54
nC17	9.34	8.13	8.56	9.12	10.05	8.37
nC18	9.19	8.01	9.10	8.29	9.54	9.17
nC19	8.50	7.57	8.47	9.72	7.95	7.74
nC20	7.09	7.32	8.44	7.28	6.96	7.50
nC21	6.69	6.24	7.49	6.61	6.13	6.60
nC22	6.35	6.64	7.46	7.17	6.42	6.77
nC23	6.29	6.51	6.99	5.70	5.40	7.29
nC24	5.47	6.24	6.96	5.02	5.31	5.52
nC25	4.97	5.93	6.61	4.82	5.42	5.10
nC26	4.78	4.82	4.25	3.33	4.77	4.69
nC27	3.81	4.70	4.12	3.29	3.81	3.85
nC28	2.97	3.94	2.80	3.16	3.01	3.47
nC29	2.52	3.18	2.27	2.40	2.70	2.71
nC30	1.62	2.01	1.39	1.53	1.45	1.70
nC31	1.01	1.42	0.94	1.15	0.97	1.18
nC32	0.50	0.71	0.44	0.66	0.40	0.56
nC33	0.40	0.61	0.44	0.86	0.34	0.49
nC34	0.25	0.42	0.28	0.65	0.23	0.31
nC35	0.15	0.27	0.13	0.67	0.20	0.21
Paraffin	40.81	42.46	28.70	34.77	35.47	31.08
Isoprenoid	7.51	6.12	3.69	6.69	6.68	4.19
Naphthene	51.66	51.40	67.60	58.54	57.85	64.73
CPI 1 Index	1.02	1.01	1.05	0.99	0.97	1.03
CPI 2 Index	1.04	1.11	1.24	1.12	1.11	1.03
CPI 3 Index	0.98	1.07	1.17	1.01	0.98	0.94
Prist/Phytane	2.07	1.86	1.94	1.70	1.84	2.16
Prist/nC17	0.65	0.58	0.53	0.81	0.81	0.64
Phytane/nC18	0.32	0.31	0.25	0.52	0.46	0.27

Job Number : 1945

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

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

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

CT - ditch cuttings CD - core SWC - sidewall core

TABLE 8
COMPOSITION (NORMALISED %) OF C₁₅₊ SATURATE (PARAFFIN - NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	055	056	057	058	059	060
DEPTH	2252m	2255m	2257m	2260m	2262m	2265m
SAMPLE TYPE						
nC15	8.24	6.29	7.99	5.36	6.49	8.38
nC16	9.11	7.97	8.69	6.90	8.68	8.93
nC17	9.02	8.14	8.03	6.99	9.41	9.81
nC18	8.51	7.90	8.38	5.36	8.16	10.54
nC19	7.78	7.66	8.70	5.08	6.49	7.80
nC20	7.38	6.78	7.63	6.03	7.64	7.91
nC21	6.32	6.16	6.82	6.03	7.11	6.77
nC22	7.22	6.68	7.03	6.71	6.49	5.23
nC23	6.52	5.91	6.66	7.47	7.22	5.53
nC24	5.97	5.42	5.12	6.71	6.07	5.20
nC25	4.71	5.16	4.84	6.99	5.44	5.05
nC26	4.44	4.73	4.29	6.23	5.02	3.99
nC27	4.11	4.64	3.47	6.51	4.18	4.06
nC28	3.29	3.87	3.56	5.46	3.56	2.71
nC29	2.70	4.25	3.00	4.60	3.14	3.11
nC30	1.83	2.80	1.90	2.87	1.88	1.68
nC31	1.27	2.26	1.54	2.11	1.36	1.43
nC32	0.57	1.17	0.71	1.05	0.52	0.66
nC33	0.54	1.14	0.79	0.96	0.63	0.66
nC34	0.32	0.70	0.54	0.57	0.31	0.37
nC35	0.16	0.35	0.29	0.00	0.21	0.18
Paraffin	31.65	30.38	14.32	36.82	25.51	24.91
Isoprenoid	4.66	3.11	2.02	3.74	3.56	3.64
Naphthene	63.69	66.51	83.65	59.44	70.93	71.43
CPI 1 Index	0.95	0.99	1.00	1.06	1.04	1.10
CPI 2 Index	1.04	1.13	1.05	1.12	1.07	1.26
CPI 3 Index	1.06	1.08	0.88	1.11	0.97	1.21
Prist/Phytane	2.04	1.98	2.05	2.23	1.82	2.18
Prist/nC17	0.60	0.57	0.74	0.64	0.56	0.60
Phytane/nC18	0.31	0.29	0.34	0.37	0.35	0.25

Job Number : 1945

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

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

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

CT - ditch cuttings OO - core SWC - sidewall core

TABLE 8
COMPOSITION (NORMALISED %) OF C₁₅₊ SATURATE (PARAFFIN - NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	061	062	063	064	065	066
DEPTH	2267m	2270m	2272m	2275m	2277m	2280m
SAMPLE TYPE						
nC15	10.30	7.09	7.89	8.17	7.34	8.37
nC16	8.63	8.50	9.37	8.71	7.26	7.92
nC17	9.36	6.94	9.23	8.34	7.91	8.68
nC18	8.19	7.98	7.61	8.20	8.13	8.12
nC19	7.67	7.78	8.14	7.80	7.81	8.36
nC20	6.86	7.51	7.93	7.65	7.34	7.14
nC21	7.10	7.46	7.26	8.29	8.09	8.02
nC22	6.21	7.12	6.42	7.26	7.71	6.59
nC23	6.47	7.29	6.69	6.95	6.58	6.76
nC24	5.45	6.52	6.02	5.92	6.56	5.99
nC25	5.48	6.04	5.34	5.18	5.39	5.31
nC26	4.52	4.55	4.45	4.30	4.80	4.67
nC27	3.65	4.70	3.86	3.40	4.36	4.34
nC28	2.90	3.18	2.61	2.73	3.41	2.99
nC29	2.61	3.10	2.53	2.51	2.74	2.61
nC30	1.70	1.67	1.71	1.54	1.71	1.55
nC31	1.28	1.18	1.23	1.20	1.23	1.13
nC32	0.56	0.49	0.59	0.64	0.61	0.52
nC33	0.58	0.49	0.54	0.59	0.54	0.50
nC34	0.34	0.29	0.36	0.40	0.32	0.30
nC35	0.16	0.15	0.22	0.23	0.16	0.14
Paraffin	26.45	23.86	29.05	26.91	26.85	25.97
Isoprenoid	3.78	3.27	3.26	3.88	3.54	3.13
Naphthene	69.77	72.87	67.69	69.21	69.61	70.90
CPI 1 Index	1.09	1.09	1.06	1.06	1.01	1.10
CPI 2 Index	1.12	1.23	1.13	1.09	1.07	1.13
CPI 3 Index	0.98	1.22	1.09	0.97	1.06	1.13
Prist/Phytane	2.28	1.96	2.21	1.93	2.08	2.10
Prist/nC17	0.64	0.69	0.58	0.61	0.61	0.62
Phytane/nC18	0.32	0.30	0.32	0.32	0.28	0.31

Job Number : 1945

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

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

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

CT - ditch cuttings CO - core SMC - sidewall core

TABLE 8
COMPOSITION (NORMALISED %) OF C₁₅₊ SATURATE (PARAFFIN - NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	067	068	069	070	071	072
DEPTH	2282m	2285m	2287m	2290m	2292m	2295m
SAMPLE TYPE						
nC15	6.87	6.62	6.80	8.55	8.64	7.86
nC16	7.50	6.66	7.63	7.68	8.75	7.17
nC17	7.65	8.14	7.30	7.83	8.31	8.13
nC18	7.73	8.16	7.46	8.72	8.80	7.19
nC19	7.35	8.51	8.09	8.75	7.67	7.24
nC20	8.44	7.52	7.65	7.92	6.94	7.02
nC21	7.55	7.37	7.08	7.21	6.57	7.28
nC22	7.14	7.98	6.84	7.17	7.80	7.36
nC23	7.70	6.90	7.05	6.60	6.04	7.21
nC24	6.78	6.14	6.20	6.11	6.60	6.33
nC25	5.57	6.23	6.33	5.23	5.74	6.48
nC26	4.87	4.94	5.52	4.00	4.82	4.70
nC27	4.55	4.16	4.50	3.50	4.22	4.80
nC28	3.12	3.13	3.69	2.98	2.83	3.31
nC29	2.78	2.88	2.99	3.03	2.77	3.19
nC30	1.61	1.66	1.83	1.71	1.37	1.87
nC31	1.17	1.26	1.35	1.27	0.99	1.34
nC32	0.59	0.59	0.63	0.61	0.44	0.59
nC33	0.53	0.58	0.54	0.58	0.38	0.50
nC34	0.33	0.37	0.33	0.35	0.21	0.29
nC35	0.17	0.19	0.18	0.19	0.11	0.14
Paraffin	40.58	27.96	33.77	30.52	38.01	37.53
Isoprenoid	5.03	3.50	5.05	4.37	6.14	5.76
Naphtene	54.39	68.54	61.18	65.11	55.85	56.71
CPI 1 Index	1.04	1.02	1.04	1.00	0.94	1.10
CPI 2 Index	1.12	1.16	1.09	1.14	1.16	1.24
CPI 3 Index	1.14	1.03	0.98	1.00	1.10	1.20
Prist/Phytane	1.98	2.05	1.61	1.98	2.47	2.70
Prist/nC17	0.65	0.67	0.70	0.76	0.76	0.74
Phytane/nC18	0.32	0.32	0.42	0.34	0.29	0.31

Job Number : 1945

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

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

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

CT - ditch cuttings CO - core SWC - sidewall core

TABLE 8
COMPOSITION (NORMALISED %) OF C₁₅₊ SATURATE (PARAFFIN - NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	073	074	075	076	077	078
DEPTH	2297m	2300m	2302m	2305m	2307m	2310m
SAMPLE TYPE						
nC15	5.93	6.57	7.93	5.87	8.62	8.96
nC16	6.90	7.98	7.80	7.06	8.36	7.06
nC17	7.84	7.84	7.12	6.90	8.03	6.43
nC18	7.69	8.21	7.93	8.01	7.91	5.52
nC19	8.00	6.99	8.08	7.53	6.60	5.21
nC20	7.11	6.77	7.98	7.06	6.89	4.66
nC21	8.07	5.89	8.06	6.90	6.76	5.21
nC22	6.18	7.17	6.89	7.77	7.87	6.29
nC23	7.40	5.92	6.99	6.98	5.78	5.70
nC24	6.54	6.92	6.81	6.42	5.70	6.75
nC25	5.87	5.90	6.11	6.74	6.13	7.65
nC26	6.32	6.06	5.07	5.39	4.97	6.88
nC27	5.24	4.84	4.16	5.39	5.31	5.89
nC28	3.92	3.49	2.75	3.88	3.29	5.16
nC29	3.19	3.51	2.70	3.25	3.15	5.61
nC30	1.61	1.85	1.43	1.98	1.74	3.12
nC31	1.03	2.04	1.01	1.19	1.41	2.13
nC32	0.45	0.83	0.44	0.63	0.55	0.95
nC33	0.39	0.61	0.39	0.63	0.51	0.81
nC34	0.19	0.38	0.23	0.40	0.27	0.00
nC35	0.12	0.21	0.13	0.02	0.16	0.00
Paraffin	37.91	46.71	34.38	27.21	25.40	45.94
Isoprenoid	6.23	5.30	4.58	5.74	5.35	4.21
Naphthene	55.86	47.99	61.04	67.05	69.25	49.83
CPI 1 Index	1.09	0.90	1.06	1.04	1.02	0.98
CPI 2 Index	1.04	1.11	1.16	1.17	1.27	1.15
CPI 3 Index	1.02	1.01	1.06	1.16	1.29	0.98
Prist/Phytane	2.47	2.75	3.33	2.33	2.00	3.03
Prist/nC17	0.77	0.64	0.87	0.88	0.71	0.61
Phytane/nC18	0.31	0.22	0.23	0.32	0.36	0.23

Job Number : 1945

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

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

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

CT - ditch cuttings CO - core SWC - sidewall core

TABLE 8
COMPOSITION (NORMALISED %) OF C₁₅+ SATURATE (PARAFFIN - NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	079	080
DEPTH	2312m	2315m
SAMPLE TYPE		
nC15	18.09	27.35
nC16	14.26	23.17
nC17	11.98	13.98
nC18	9.94	10.13
nC19	5.80	5.21
nC20	4.51	3.19
nC21	3.89	2.16
nC22	4.26	1.69
nC23	3.64	1.74
nC24	3.40	1.78
nC25	4.32	1.97
nC26	3.52	1.69
nC27	3.64	1.78
nC28	2.65	1.45
nC29	3.40	1.17
nC30	1.42	0.61
nC31	0.93	0.52
nC32	0.37	0.19
nC33	0.00	0.14
nC34	0.00	0.05
nC35	0.00	0.05
Paraffin	28.89	32.59
Isoprenoid	3.47	9.70
Naphthene	67.64	57.69
CPI 1 Index	1.05	1.04
CPI 2 Index	1.33	1.18
CPI 3 Index	1.18	1.13
Prist/Phytane	3.34	2.77
Prist/nC17	0.60	0.66
Phytane/nC18	0.21	0.32

Job Number : 1945

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

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

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

CT - ditch cuttings CO - core SWC - sidewall core

TABLE 8
COMPOSITION (NORMALISED %) OF C₁₅₊ SATURATE (PARAFFIN - NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	081	082	083	084	085	086
DEPTH	2252m	2255m	2257m	2260m	2262m	2265m
SAMPLE TYPE	SIDETRACK					
nC15	4.71	6.53	3.50	3.51	5.71	7.57
nC16	5.31	7.45	5.03	5.29	6.08	8.15
nC17	6.20	7.49	5.88	6.16	7.09	8.25
nC18	6.81	7.97	6.49	6.79	7.59	8.34
nC19	6.94	7.70	7.77	7.96	7.37	8.14
nC20	7.66	7.08	7.56	7.26	7.77	7.98
nC21	7.15	6.39	7.60	7.92	7.13	7.37
nC22	7.81	6.28	7.69	9.32	8.06	7.30
nC23	7.66	6.44	7.47	7.17	6.92	5.91
nC24	6.38	5.58	7.09	7.30	7.06	5.54
nC25	6.21	5.38	6.28	6.78	6.10	5.12
nC26	5.32	4.83	5.53	5.21	5.46	3.94
nC27	4.75	4.24	5.14	5.26	5.04	3.95
nC28	4.20	3.84	4.42	4.15	3.61	3.14
nC29	3.74	3.43	4.18	3.60	2.95	2.74
nC30	2.70	2.66	2.57	2.14	2.01	1.95
nC31	2.10	2.17	1.98	1.67	1.44	1.51
nC32	1.38	1.42	1.26	0.88	0.87	1.00
nC33	1.28	1.31	1.13	0.80	0.79	0.91
nC34	0.99	1.04	0.85	0.53	0.58	0.69
nC35	0.70	0.75	0.60	0.29	0.39	0.51
Paraffin	44.39	47.70	47.49	33.39	44.41	42.18
Isoprenoid	4.74	6.04	4.61	5.02	6.35	6.03
Naphthene	50.85	46.18	47.88	61.58	49.23	51.78
CPI 1 Index	1.02	1.02	1.01	0.99	0.96	1.01
CPI 2 Index	1.07	1.05	1.09	1.16	1.08	1.12
CPI 3 Index	1.00	0.98	1.03	1.12	1.11	1.12
Prist/Phytane	1.50	1.43	1.68	1.59	1.54	1.73
Prist/nC17	0.80	0.75	0.81	0.73	0.66	0.74
Phytane/nC18	0.48	0.49	0.44	0.41	0.40	0.42

Job Number : 1945

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

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

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

CT - ditch cuttings CO - core SWC - sidewall core

TABLE 8
COMPOSITION (NORMALISED %) OF C₁₅₊ SATURATE (PARAFFIN - NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	087	088	089	090	091	092
DEPTH	2267m	2270m	2272m	2275m	2277m	2280m
SAMPLE TYPE	SIDETRACK					
nC15	4.83	4.78	3.52	5.19	6.01	4.59
nC16	5.78	6.26	4.72	6.02	7.33	5.64
nC17	7.03	6.25	5.41	6.60	7.92	7.05
nC18	7.34	6.52	6.00	8.00	7.54	6.45
nC19	7.48	7.07	6.81	7.71	7.56	7.52
nC20	7.86	7.43	7.05	7.42	9.03	7.16
nC21	7.81	7.14	8.11	7.01	7.87	7.58
nC22	6.77	7.29	8.35	8.04	7.77	7.20
nC23	7.26	7.21	8.08	7.63	6.93	6.91
nC24	6.35	6.33	7.48	7.05	6.79	7.38
nC25	6.32	6.59	7.21	7.21	6.12	7.01
nC26	5.29	5.51	5.60	5.89	4.65	5.91
nC27	4.87	5.52	5.15	5.65	4.08	5.00
nC28	3.94	4.28	4.20	3.92	3.20	4.01
nC29	3.53	3.76	4.05	2.80	2.26	3.43
nC30	2.34	2.46	2.62	1.53	1.68	2.37
nC31	1.75	1.95	2.00	0.95	1.01	1.72
nC32	1.12	1.19	1.15	0.49	0.90	1.00
nC33	1.02	1.07	1.10	0.41	0.67	0.92
nC34	0.77	0.82	0.83	0.29	0.44	0.69
nC35	0.52	0.56	0.57	0.21	0.23	0.47
Paraffin	39.63	43.41	39.74	49.16	46.55	46.43
Isoprenoid	5.00	5.28	3.97	7.06	6.16	5.46
Naphthene	55.35	51.29	56.27	43.73	47.28	48.09
CPI 1 Index	1.09	1.06	1.06	1.04	1.00	1.02
CPI 2 Index	1.11	1.14	1.14	1.15	1.06	1.08
CPI 3 Index	1.06	1.13	1.05	1.15	1.04	1.01
Prist/Phytane	1.60	1.56	1.52	1.87	1.72	1.76
Prist/nC17	0.70	0.78	0.78	0.77	0.65	0.66
Phytane/nC18	0.42	0.48	0.46	0.34	0.40	0.41

Job Number = 1945

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

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

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

CT - ditch cuttings CO - core SWC - sidewall core

TABLE 8
COMPOSITION (NORMALISED %) OF C₁₅₊ SATURATE (PARAFFIN - NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	093	094	095	096	097	098
DEPTH	2282m	2285m	2287m	2290m	2295m	2297m
SAMPLE TYPE	SIDETRACK					
nC15	3.60	3.07	5.50	5.40	9.16	7.56
nC16	4.89	4.90	7.45	6.67	7.69	8.06
nC17	5.68	5.37	7.67	6.39	8.97	7.78
nC18	6.34	6.03	7.52	6.72	8.06	7.40
nC19	6.77	6.42	6.81	7.19	6.87	7.24
nC20	6.97	7.27	6.96	7.80	6.87	7.21
nC21	8.41	8.21	6.67	7.28	6.04	7.21
nC22	7.95	8.95	7.20	7.38	6.32	6.17
nC23	8.02	8.21	6.99	6.95	6.14	6.61
nC24	8.14	8.75	6.56	7.19	5.40	5.88
nC25	8.30	7.39	6.71	6.58	5.31	6.29
nC26	6.89	6.92	5.22	5.92	5.31	4.78
nC27	5.64	5.33	5.43	5.22	5.13	5.00
nC28	3.95	3.81	3.83	4.42	4.76	3.70
nC29	3.33	3.66	3.66	3.52	3.75	3.13
nC30	1.92	2.18	2.06	2.11	1.65	1.74
nC31	1.29	1.44	1.53	1.46	1.19	1.49
nC32	0.63	0.74	0.85	0.66	0.46	0.57
nC33	0.63	0.70	0.75	0.56	0.46	0.82
nC34	0.43	0.43	0.53	0.38	0.27	0.70
nC35	0.23	0.23	0.11	0.19	0.18	0.66
Paraffin	34.64	38.19	39.23	35.98	40.66	54.49
Isoprenoid	4.14	4.30	5.36	5.11	7.65	6.98
Naphthene	61.20	57.50	55.40	58.90	51.67	38.51
CPI 1 Index	1.07	0.97	1.06	0.98	0.99	1.13
CPI 2 Index	1.14	1.06	1.21	1.07	1.08	1.23
CPI 3 Index	1.04	0.99	1.20	1.01	1.02	1.18
Prist/Phytane	1.78	1.42	1.88	1.79	3.07	2.33
Prist/nC17	0.70	0.71	0.66	0.69	0.81	0.65
Phytane/nC18	0.35	0.44	0.35	0.37	0.29	0.29

Job Number : 1945

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

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

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

CT - ditch cuttings CO - core SWC - sidewall core

TABLE 8
COMPOSITION (NORMALISED %) OF C₁₅₊ SATURATE (PARAFFIN - NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	099
DEPTH	2300m
SAMPLE TYPE	SIDETRACK
nC15	6.66
nC16	7.21
nC17	7.46
nC18	7.51
nC19	8.62
nC20	7.28
nC21	7.23
nC22	6.96
nC23	7.21
nC24	6.07
nC25	6.24
nC26	5.50
nC27	4.61
nC28	3.42
nC29	3.07
nC30	1.96
nC31	1.34
nC32	0.67
nC33	0.59
nC34	0.40
nC35	0.00
Paraffin	38.79
Isoprenoid	5.65
Naphthene	55.86
CPI 1 Index	1.07
CPI 2 Index	1.11
CPI 3 Index	1.03
Prist/Phytane	2.01
Prist/nC17	0.66
Phytane/nC18	0.33

Job Number : 1945

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

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

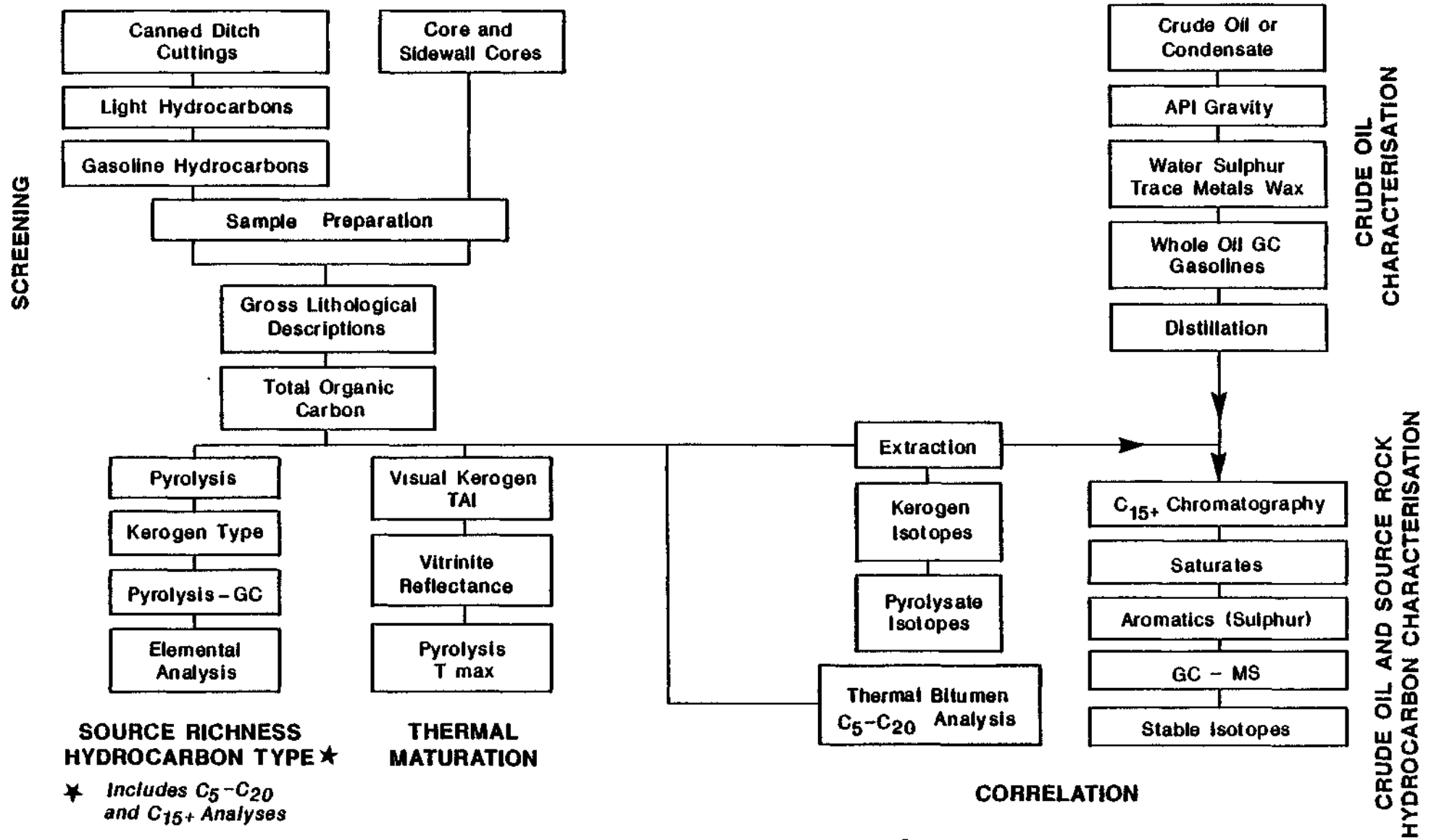
$$C.P.I. 3 = \frac{2 \times (C_{27})}{C_{26} + C_{28}}$$

CT - ditch cuttings CO - core SWC - sidewall core

BRIEF DESCRIPTION

OF ANALYSES

GEOCHEM ANALYSIS SCHEME



BRIEF DESCRIPTION OF ANALYSES PERFORMED BY GEOCHEM

Analyses described in this section include industry standard methods and techniques resulting from more than thirteen years of development by Geochem Laboratories. Analytical methodology arising from collaboration with individual clients or groups of clients (e.g. the Norwegian oil companies) is not necessarily included in these descriptions.

The flowchart illustrates a typical sequence of analyses and their functional relationships.

These analyses may be grouped as follows :

- A source rock screening
- B source richness and hydrocarbon type
- C source rock thermal maturity
- D source rock hydrocarbon characterisation
- E crude oil characterisation
- F gas characterisation
- G correlation

A. SOURCE ROCK SCREENING

A-1 C₁-C₇ LIGHT HYDROCARBONS ANALYSIS

The abundance and composition of the C₁-C₇ hydrocarbons in sediments reflects their source richness, maturity and the character of the hydrocarbons they can yield. Most importantly, it is extremely sensitive to the presence of migrated hydrocarbons and is an excellent method for their detection. As it provides the information on most of the critical parameters and is also economical, this analysis is recommended for screening samples to decide which of them merit further analysis.

During the time which elapses between the collection of the sample at the wellsite and its analysis in the laboratory, a variable fraction of the total gas passes from the rock to the air space at the top of the can. For this reason, both the air space and the cuttings are analysed. To minimise loss of air space gases, cans fitted with pressfit lids are stored in the inverted position.

A sample of the headspace gases is withdrawn from the can using a syringe and then analysed by gas chromatography. The can is opened and the head space volume measured. A small portion of the cuttings is homogenised in a sealed blender and the released cuttings gases are analysed by the method used for the headspace gases.

Concentrations of the individual C_1-C_4 gases, plus the total C_{5+} hydrocarbons for both headspace and cuttings gases, are determined by means of a gas chromatograph equipped with flame detector and calibrated with a standard gas mixture. These data are reported in ppm by volume or in $\mu\text{l/Kg}$ (dry) rock - for the headspace and cuttings gas and for the combined headspace and cuttings gas.

A-2 DETAILED GASOLINE RANGE (C_4-C_7) HYDROCARBONS ANALYSIS

The abundance and composition of the C_4-C_7 hydrocarbons in sediments reflects their source quality, level of thermal maturity and kerogen type or, if they are reservoir facies, the strength and nature of hydrocarbon shows. This analysis is particularly useful in evaluating the reservoir history of crude oils and in oil to oil correlation studies.

Selected lithologies are heated and crushed in a sealed blender in order to liberate the C_4-C_7 hydrocarbons from the rock matrix. A sample of these hydrocarbons is withdrawn by syringe and analysed by capillary gas chromatography to identify the individual hydrocarbons. With crude oils, a sample of the oil is injected directly into the chromatograph.

The gross composition, selected ratios and normalised composition of the individual C_4-C_7 hydrocarbons (including toluene) are tabulated and plotted against depth.

A-3 SAMPLE PREPARATION

All of the analyses described in subsequent sections are run on washed and hand picked samples.

Cuttings are washed to remove the drilling mud, care being taken not to remove soft clays and fine sand during the washing procedure. The lithology of each facies is then described and the presence of caved material noted. Sidewall core material is liberated from any associated drilling mud and then

described. Using the C_1 - C_7 hydrocarbon and the organic carbon profiles of the well, electric logs (if supplied) and the lithology and appearance of the cuttings, sidewall cores and cores under the binocular microscope, samples are selected to represent the lithological and geochemical zones penetrated by the well. These samples are then carefully hand picked and it is these samples which are submitted for further analysis.

Sample material remaining after analysis is retained for six months. Unless instructions are received to the contrary, Geochem Laboratories may then destroy the samples.

Our reports incorporate a gross lithological description of all the samples which have been analysed and litho percentage logs. As screen analyses are recommended at narrow intervals, a complete lithological profile is obtained.

A-4 ORGANIC CARBON ANALYSIS

The organic carbon content of a rock is a measure of its total organic richness. Combined with the visual kerogen, C_1 - C_7 , C_4 - C_7 , pyrolysis and C_{15+} analyses, the organic carbon content is used to evaluate the potential (not necessarily actual) hydrocarbon source richness of the sediment. This analysis is an integral part of any evaluation and is also used as an economical screen analysis for dry samples (when the C_1 - C_7 analysis cannot be employed).

Hand picked samples are dried, crushed and then acidised to remove the inorganic calcium and magnesium carbonates. The actual analysis involves combustion in a Leco CS244 carbon/sulphur analyser. Blanks, standards and duplicates are run routinely for purposes of quality control at no extra cost to the client. Sulphur contents are also measured but are not reported routinely.

The organic carbon data are tabulated and presented diagrammatically in our reports in a manner which facilitates comparison with the gross lithology of the samples.

B. SOURCE RICHNESS AND HYDROCARBON TYPE

B-1 PYROLYSIS

The thermal maturation process is simulated in the laboratory by the pyrolysis analysis. This involves heating the source rock under controlled conditions to produce firstly, a distillate (thermal bitumen) and secondly, a pyrolysate (from the breakdown of the kerogen). The thermal bitumen (S1) content is related to the present potential of a source rock (plus any non-indigenous hydrocarbons) whilst the pyrolysate yield (S2) is a measure of ultimate source potential.

Industry standard machines made by Leco (Thermolytic Hydrocarbons Analyser, THA) and by Delsi (Rockeval II) are used to automatically measure S1 and S2 and to ascertain the temperature, Tmax, at which maximum S2 evolution occurs. In addition, the Rockeval machine measures S3 - the proportion of oxygen containing species in the kerogen. This latter value is used to calculate the oxygen index (S3/TOC) which, together with the hydrogen index (S2/TOC), is used to identify kerogen types on the van Krevelen diagram. Care must be used in the interpretation of S3 data since they are influenced by inorganic carbonates.

S1, S2 and where applicable S3, values (in mg/g rock) are reported, with production indices [$S1/(S1 + S2)$], hydrogen indices, oxygen indices and Tmax values for all prospective source units. The pyrolysate yield (S2) is preferred to organic carbon contents as an unambiguous measure of potential source richness.

B-2 KEROGEN TYPE

Kerogen is the insoluble organic matter in rocks. Visual examination of the kerogen ("Visual Kerogen" analysis) directly assesses the composition of the organic matter (organic facies) and indicates the source quality of the sediment - which is confirmed using the pyrolysis, pyrolysis-GC and C₁₅₊ analyses. Thermal maturity is also evaluated from the colour of the spore-pollen material (see below).

The type of hydrocarbons (oil or gas) generated by a source rock is a function of its level of thermal maturation and of the composition of its organic

matter. Both of these parameters are measured directly by this visual kerogen method. Kerogen is separated from the inorganic rock matrix by acid digestion and flotation methods which avoid oxidation of the organic matter. It is then mounted on a glass slide and examined at high and low magnifications with a Leitz microscope. Chemical methods measure the total kerogen population but, with this technique, individual particles can be selected for examination and spurious material identified and avoided. This is particularly valuable in reworked, contaminated and turbodrilled sediments.

The following data are generated: the types of the organic matter present and their relative abundances, an estimate of the proportion of reworked material, the preservation state and the thermal maturity (see below, C-1) of the non-reworked organic matter using the spore colouration technique.

A total of fourteen types of organic matter are sought based upon the major categories of algal, amorphous, herbaceous (spore, pollen, cuticle), wood, inertinite and resin. This detail is essential for a proper understanding of hydrocarbon source potential as the different sub-groups within each category have different properties.

Upon completion of the study, the kerogen slides are sent to the client.

B-3 PYROLYSIS-GC

The nature of potential hydrocarbon products is deduced from gas chromatograms of the pyrolysate material (S2, see above). These 'pyrograms' resemble the hydrocarbons generated by the source rock at peak maturity. Thus, for oil prone sediments the chromatograms display a methane peak followed by a series of alkene-alkane double peaks which extend out to $C_{25}-C_{30}$, whereas these doublets are absent in gas-prone source rocks. The gas-oil index ($\% C_1-C_5/\text{total pyrolysate}$) provides a digital representation of the pyrogram and predicts the hydrocarbon product: oil prone sediments have values of less than 20%, 20-35% corresponds to a potential for oil and gas, 35-50% to condensate and values greater than 50% to gas.

Small (1-2 mg) samples of solvent-extracted rock powder are heated by one of two methods to produce a pyrolysate (S2) which is subsequently analysed by capillary gas chromatography. The two methods differ only in the pyrolysate generation mode. In the first 'instantaneous' method a pyroprobe rapidly (10

seconds) generates the pyrolysis products whereas in the second, the pyrolysate is generated over a period of several minutes by programmed pyrolysis. These two methods are referred to as flash and programmed pyrolysis-GC respectively. The actual pyrolysis temperature range is comparable in each case and both methods give similar results, although the light ends are relatively enhanced by flash pyrolysis-GC.

B-4 ELEMENTAL ANALYSIS OF KEROGEN

Kerogen isolated from prospective source rocks is analysed in a Carlo Erba 1106 Elemental Analyser. Carbon, hydrogen, nitrogen, oxygen and sulphur are measured directly by this machine. Hydrogen : carbon ratios have been traditionally used by the oil industry to assess the oil potential of organic matter in source rocks and, in conjunction with the oxygen : carbon ratio permit the use of the Van Krevelen diagram. This assigns the gross organic matter population to Types I, II or III and gives an indication of its ability to generate oil or gas. It is employed in association with the visual kerogen, pyrolysis and pyrolysis-GC analyses.

C. SOURCE ROCK THERMAL MATURITY

C-1 SPORE COLOURATION THERMAL ALTERATION INDEX (TAI)

Organic matter darkens with increasing thermal maturity. The increasing colouration of the spore and pollen material, as observed microscopically using kerogen concentrates, accurately reflects the hydrocarbon generation process and is used to assess thermal maturity. As with the vitrinite reflectance analysis, core and sidewall core material is preferred for this "Visual Kerogen" analysis when available.

Our maturation scale has been developed to digitise small but recognisable changes in organic matter colouration resulting from increasing maturity and to place particular emphasis upon the immature to mature transition. In the absence of a universal colouration scale, the most significant points on our scale have been calibrated against equivalent vitrinite reflectance values.

The following maturation stages are recognised, the values referring to the top of each maturity zone:-

	<u>Marginally</u> <u>Mature</u>	<u>Mature</u>	<u>Top Oil</u> <u>Window</u>	<u>Gas</u> <u>Condensate</u>	<u>Dry</u> <u>Gas</u>
TAI Scale	2-	2	2 to 2+	3	3+
1-10 Scale	3	4	5	7	8
Vitrinite					
Reflectance (% Ro)	0.45	0.55	0.72	1.3	2.0
Tmax (°C)	[430]	[435]	[440]	[460]	

The top of the condensate zone corresponds to the base of the oil window.

C-2 VITRINITE REFLECTANCE

Vitrinite reflectance is an alternative/confirmatory method for evaluating thermal maturation which is used in conjunction with the visual kerogen analysis. The reflectivity of vitrinite macerals increases in response to thermal alteration and is used to define maturation levels and, by projection, to predict maturity at depth or the thicknesses of section removed by erosion.

Measurements are made upon carefully polished blocks either of kerogen concentrates or of whole rocks depending upon the organic richness of the samples and the preference of the client. In general, this analysis is performed upon the same samples as the visual kerogen analysis, thus facilitating a direct comparison of the two sets of results.

If possible, forty to fifty measurements are taken per sample, although this may not be possible if the sediments are organically lean or vitrinite is sparse. The data are processed using an interactive computer program which allows the operator to select, calculate and plot populations and mean reflectances. Indigenous vitrinite is thus distinguished from possible

reworked or caved material. Comments upon exinite fluorescence (if relevant) and upon the character of the phytoclasts are noted on the histograms. The reports contain the tabulated data, histograms and the reflectivities plotted against depth.

The vitrinite and visual kerogen techniques provide mutually complementary information upon maturity, organic matter type and diagenesis.

C-3 PYROLYSIS TMAX

This is an empirical parameter which can produce a depth related maturity trend. Tmax is also affected by gross kerogen composition, the amount of reworked material etc and must therefore, be used with caution in the assessment of thermal maturity.

The measurement of Tmax has been described under the 'Pyrolysis' analysis (B-1).

D. SOURCE ROCK HYDROCARBON CHARACTERISATION

C₂+ hydrocarbons in source rocks reflect in situ generation, diffusion of migrated hydrocarbons (via microfractures or sand bodies) or contamination from the mud-system. It is important, therefore to identify these hydrocarbons because their abundance is diagnostic of source richness, maturity or, if migrated species, of show strength. Any hydrocarbons detected in reservoir facies merit further investigation. The gasoline range analysis has been discussed above (A-2).

D-1 C₁₅+ HYDROCARBON EXTRACTION, DEASPHALTENING AND CHROMATOGRAPHIC SEPARATION

Hand picked rock samples are ground and then extracted in a Soxtec machine - a modern version of the soxhlet extractor - employing solvents such as dichloro methane and methanol. Pre-extracted cellulose extraction thimbles are used in conjunction with selected pure solvents to minimise the introduction of extraneous material by the extraction process. The procedures have been designed to avoid loss of the lighter hydrocarbons and to ensure quantitative recovery of the heavy ends.

Asphaltenes are precipitated from the total extract using standard methods (e.g. IP143) and the soluble material is then separated into fractions by liquid chromatography. These fractions comprise the saturated hydrocarbons (paraffin-naphthenes), aromatic hydrocarbons, eluted NSO's (nitrogen, sulphur and oxygen species) and non-eluted NSO's.

Traditional column chromatographic methods, for the separation of source rock extract and crude oil components, have largely been replaced by high performance liquid chromatography (HPLC). This technique gives an optimal separation of the saturated and aromatic hydrocarbon fractions which is important for subsequent GC-MS analyses.

Quantification of the C_{15+} hydrocarbons and non-hydrocarbons is achieved by means of the Iatrascan equipment, in which rods coated with silica are used to separate the fractions by thin layer liquid chromatography. The resolved hydrocarbons are measured by passing the rods through a flame ionisation detector.

Analyses of the C_{15+} fractions are reported either in parts per million (ppm) by weight of rock or as mg/g TOC, as normalised % composition of the C_{15+} fraction and as selected diagnostic ratios. These data are also plotted to facilitate the evaluation of depth-related trends.

Oils and condensates are distilled or 'topped' to give a C_{15+} ($210^{\circ}C+$) fraction which is then analysed in the same way as the total soluble extract from source rocks.

D-2 ANALYSIS OF C_{15+} SATURATED HYDROCARBONS

The distribution of C_{15+} saturated hydrocarbons - n-alkanes, iso-alkanes (including the principal acyclic isoprenoids) and cyclo alkanes (naphthenes) - is affected by changes in organic facies, maturity and source rock geochemistry, and by the presence of shows. Of most value are the n-alkane configuration which defines crude oil type (waxiness, maturity, gravity etc), the ratios of the odd to even carbon number n-alkanes (CPI) - which approach unity with increasing maturity - and the ratios of the isoprenoids (e.g. pristane and phytane) to the adjacent alkanes, which are affected by source depositional environment.

Saturated hydrocarbons, isolated from the source rock extracts or from crude oils by C_{15+} liquid chromatography, are injected into a high resolution gas chromatograph. The individual hydrocarbons separated by the capillary column in this instrument are detected by a flame ionisation detector and quantified (by reference to standard hydrocarbons) using a computerised laboratory data processor. Care is taken to ensure that all of the alkanes including those heavier than C_{30} are quantitatively recorded. Concentrations of each n-alkane in the $C_{15} - C_{35}$ range are reported as normalised percentage of total alkanes or in parts per million of total extract. The principal $C_{15} - C_{20}$ isoprenoids plus the total n-alkanes, isoprenoids and naphthenes are also tabulated.

Ratios reported include:

$$\text{CPI (1)} = 1/2 \left[\frac{(C_{21} + C_{23} + C_{25} + C_{27})}{(C_{20} + C_{22} + C_{24} + C_{26})} + \frac{(C_{21} + C_{23} + C_{25} + C_{27})}{(C_{22} + C_{24} + C_{26} + C_{28})} \right]$$

$$\text{CPI (2)} = 1/2 \left[\frac{(C_{25} + C_{27} + C_{29} + C_{31})}{(C_{24} + C_{26} + C_{28} + C_{30})} + \frac{(C_{25} + C_{27} + C_{29} + C_{31})}{(C_{26} + C_{28} + C_{30} + C_{32})} \right]$$

$$\text{CPI (3)} = \frac{2 \times C_{27}}{(C_{26} + C_{28})}$$

Pristane : Phytane

Pristane : nC_{17}

Phytane : nC_{18}

D-3 ANALYSIS OF C_{15+} AROMATIC HYDROCARBONS

The C_{15+} aromatic hydrocarbons are relatively more resistant to alteration in the reservoir by biodegradation than the corresponding saturates. They are, therefore, of value in correlation studies. Furthermore, ratios of selected methyl-phenanthrenes and of phenanthrene (MPI) are used to ascertain the maturation levels of (inferred) hydrocarbon source rocks.

C_{15+} aromatic hydrocarbons are analysed by methods analagous to those used for the saturated hydrocarbons. The gas chromatogram displays the naphthalenes, methyl substituted naphthalenes, phenanthrene, the methyl phenanthrenes and the heavier aromatics. Methyl phenanthrene indices are calculated and included in the reports:

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

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

P = phenanthrene

MP = methyl phenanthrene

Note : Calculated mean reflectance (Rc)

$$\begin{aligned} \text{Rc} &= 0.6 \text{ MPI (1)} + 0.40 && (\text{Ro} < 1.35\%) \\ \text{Rc} &= -0.6 \text{ MPI (1)} + 2.30 && (\text{Ro} > 1.35\%) \end{aligned}$$

(M. Radke & D.H. Welte, 1981)

Under certain conditions dibenzothiophenes co-elute with the methyl phenanthrenes (for example 3-MP coelutes with methyl dibenzothiophene) and hence GC-MS data are preferred, although the MPI(2) ratio calculated from the gas chromatograms is reliable.

D-4 ANALYSIS OF C₁₅₊ SULPHUR AROMATIC HYDROCARBONS

These compounds are present in the C₁₅₊ aromatic hydrocarbons fraction and, by substituting a flame photometric detector for the more normal flame ionisation detector in the GC, are detected and measured in the same way as the aromatic hydrocarbons. The sulphur aromatic hydrocarbons produce a characteristic chromatogram which is principally used in correlation studies.

D-5 NORMAL AND BRANCHED/CYCLIC SATURATES CHROMATOGRAMS

By using clathrating agents, such as urea or molecular sieves, the C₁₅₊ saturates fraction is separated into normal (straight chain) and branched/cyclic alkane fractions. These fractions are then analysed by the same techniques as those used for the total saturates fractions.

D-6 THERMAL BITUMEN (C₅-C₂₀) ANALYSIS

Powdered rock samples are heated in a thermal desorption cold trap injector and the evolved hydrocarbons are analysed by gas-chromatography. This technique enables us to examine the C₁₅₋ hydrocarbons which are normally lost and requires only milligram quantities of rock. The resulting chromatogram for the sediment is comparable to the whole oil trace.

A small quantity of powdered rock is heated to approximately 350°C in a helium gas stream and the desorbed hydrocarbons are collected on-column in a cold trap at -130°C. After a pre-determined time interval the furnace is cooled, the cold trap heated and the liberated hydrocarbons are analysed by capillary column gas-chromatography in the usual manner. The high resolution chromatogram displays a full range of hydrocarbons and non-hydrocarbons from C₄ to C₂₅₊ but is not quantitative beyond C₂₀. This analysis is invaluable for the evaluation of source rocks, for show detection, for correlation purposes and for volumetric yield calculations. Total abundances are reported together with the normalised distribution of the C₅-C₂₀ n-alkanes.

D-7 ANALYSIS OF SATURATED AND AROMATIC HYDROCARBON BIOMARKERS BY GC-MS

Hydrocarbons representing the skeletal remains of the original biolipids in plant and animal debris survive to advanced levels of thermal maturity and are not seriously affected by normal biodegradation. These 'biomarker' hydrocarbons are therefore invaluable in correlation studies because they are diagnostic of the facies, depositional environment and maturity of the source.

C₁₅₊ saturated and aromatic hydrocarbons from crude oils or source rock extracts are separated on a Hewlett Packard 5890 capillary gas chromatograph. The molecular fragments associated with specific biomarkers are monitored as they emerge from the capillary column by a V.G. TS250 double focussing mass spectrometer, coupled to a V.G. 11250 data system. In conjunction with the associated mass-spectra library, this system permits the quantitative identification of all biomarkers. Mass fragmentograms of the steranes (at m/z 217, 218, 231 and 259) and of triterpanes (at m/z 177, 191 and 205) are routinely reported with eleven biomarker ratios plus, if required, peak area data. Similarly, for the aromatic hydrocarbons, the mono- and tri-aromatic steranes (at m/z 253 and m/z 231 respectively) together with the phenanthrene series (m/z 178, 192 and 206) and dibenzothiophenes (m/z 184, 198 and 212) fragmentograms are reproduced in the report. Other fragment ions can be monitored at the client's request. Peak area data from the aromatic steranes and phenanthrenes are used to evaluate thermal maturity and for correlation purposes. The saturates are employed for correlation, maturity and source facies evaluations.

Considerable enhancements in sensitivity and selectivity in biomarker analysis can now be provided by the selective metastable ion-monitoring (SMIM) mass spectroscopic technique. This new technique (also known as metastable reaction monitoring, MRM) produces less complex fragmentograms, avoids co-elution problems and permits the detailed investigation of the C₃₀ steranes.

D-8 CARBON ISOTOPE RATIOS

The ratio of the stable ¹³C and ¹²C atoms in living organic matter is controlled by biosynthetic pathways and by environment. Thus, plants and animals which develop in fresh-water have different isotopic ratios to similar species growing in seawater. The geothermal history of the sedimentary organic matter has a secondary influence on the isotope values. The principal application of stable carbon isotopic ratios is therefore, in oil-oil and oil-source rock correlation studies, since the generated hydrocarbons retain the isotopic signature of the source kerogen.

Carbon isotope ratios are measured on hydrocarbons and non-hydrocarbons isolated from crude oils and source rocks, from source rock kerogens and from kerogen pyrolysates. The hydrocarbon fraction or kerogen is combusted under controlled conditions (to avoid isotopic fractionation) and the resulting carbon dioxide is analysed by a mass spectrometer. This is a specialised spectrometer (a modified VG 602) fitted with dual collector and micro processor controlled ratio measurement device.

¹³C is approximately 1% of the total carbon in organic matter and the changes in composition are, therefore, only a few parts per million. For this reason the absolute ratios are compared to those of an international standard (the Peedee belemnite, PDB). In practice, a secondary standard (NBS 22 oil) is used in routine measurements and the results expressed as a deviation (δ) in parts per thousand from the PDB standard.

$$\delta^{13}\text{C} = \left[\frac{^{13}\text{C}/^{12}\text{C} \text{ sample}}{^{13}\text{C}/^{12}\text{C} \text{ standard}} - 1 \right] \times 1000$$

The δ values for hydrocarbons, non-hydrocarbons, pyrolysates and kerogens are tabulated and plotted as X-Y or Galimov plots.

Oil to source rock correlation studies should involve the analysis of the whole oil, each of the four C_{15+} fractions and of the kerogen and kerogen pyrolysate material. Carbon isotopes are essential in correlation studies involving gases, when each hydrocarbon which is sufficiently abundant is separated for individual analysis.

E. CRUDE OIL CHARACTERISATION

Crude oils and condensates are, if necessary, dehydrated before measuring their bulk properties. Typical analyses by industry standard methods (ASTM, IP) include API gravity, viscosity, sulphur content, wax content, trace metal content, nitrogen content, pour point, flash point, water, sediment and salt contents, total acid content and total base number.

Large liquid samples are distilled, generally to give a $210^{\circ}\text{C}+$ fraction, whilst small samples are topped by evaporating under controlled conditions, to give a comparable fraction.

Capillary gas chromatographic analyses of the whole oil and of the gasoline fraction (A-2) provide detailed fingerprints and quantitative data for correlation studies. Crude oils and condensates are further characterised by analyses which are analogous to those performed on source rock extracts (D-1 through D-5, D-7, D-8).

F. HYDROCARBON GAS ANALYSIS

Hydrocarbons and non-hydrocarbons are measured by gas chromatography. Methane and, if possible, the individual C_2-C_4 hydrocarbons are separated by gas chromatography prior to determining their carbon isotope ratios. These data are used to evaluate the nature of the hydrocarbon source rock and its thermal maturity.

G. CORRELATION

Analyses (referred to above) of the gasolines, whole oil, C_{15+} saturates and aromatics by GC and by GC-MS, and of the carbon isotope ratios of the C_{15+} fractions, are performed upon crude oils/condensates and source rock extracts. Correlations between oils and between oils and source rocks are investigated by comparing the two sets of data.

See A-2, D-1 through D-8.

G-1 STABLE LIGHT ISOTOPES ANALYSES

Stable isotope ratio measurements not only of carbon but also of oxygen, sulphur, nitrogen and hydrogen (deuterium) are used in correlation studies. Carbon and sulphur isotope ratios are applied to the study of kerogen diagenesis whereas oxygen and carbon isotope data are used to investigate carbonate diagenesis. Hydrogen : deuterium and carbon isotope ratios of methane and the heavier gaseous hydrocarbons are sensitive to changes in source type and maturity and are therefore, used in hydrocarbon migration studies. Biosynthetic processes are often accompanied by isotopic fractionation and isotope ratio techniques have therefore a wide application in the field of environmental analysis.

Preparative techniques, determined by the nature of the sample and by the element under investigation, are designed to avoid fractionation. Combustion techniques are generally used for carbon and sulphur whilst chemical methods of isolation are employed for oxygen and hydrogen/deuterium. Measurement of isotopic ratios of these elements is by means of a Sigma 7X mass spectrometer. This fully computer controlled machine uses automatic freeze down for small samples, dual collectors for hydrogen and deuterium and triple collectors for the heavier elements such as carbon, oxygen, sulphur and nitrogen.

Results are reported as delta values by reference to the appropriate international standard.

H-1 INTERPRETATION

Interpretation of the geochemical data obtained from the analytical specification agreed with the client is undertaken by a team of experienced geochemists. In addition to an extensive knowledge of petroleum geochemistry the members of this team are also specialists in areas such as organic petrography, mass spectrometry or data processing and statistical analysis. When required, data from related disciplines such as biostratigraphy are incorporated into the interpretation. Reports are specifically designed to aid the explorationist in prospect evaluation and to solve any particular problems raised by the client. They contain detailed evaluations of the lithological succession, source facies and hydrocarbon potential and source rock maturity in addition to show detection and the characterisation of the shows. Integration of these topics gives the source rock and show character of each formation/interval. The report also contains a concise executive summary for the benefit of senior management.

E-1 COMPUTER DATA FILES

Tabulated geochemical data can be supplied on one of several standard magnetic media, including 1/2 inch 9 track tapes at 1600 BPI, 5.1/4" IBM compatible diskettes or on TK50 DEC tapes. The content and file structure is usually agreed between the client and Geochem.

U-568

3



INSTITUTT FOR KONTINENTALSOKKELUNDERSØKELSER OG PETROLEUMSTEKNOLOGI AS

Håkon Magnussons gt. 1 B • P.O. Box 1883, Jarlesletta • N-7001 Trondheim, Norway
Tel.: +47 7 9206 11 • Telex: 55434 Iku n • Telefax: +47 7 9209 24 (AMT)

8819172 1

REPORT

REG. NO. 88.063	ACCESSIBILITY: CONFIDENTIAL
--------------------	--------------------------------

REPORT TITLE:

ANALYSIS OF HEADSPACE AND OCCLUDED GAS
(C₁-C₈) FROM WELL 7219/9-1.

Data report.

REPORT NO.: 22.1878.00/01/88

AUTHORS:

H.M. Weiss, G. Haugen, W. Andersen, L. Husvik.

DATE: 25-May-1988	NO. OF PAGES: 80	NO. OF APPENDICES: -	PROJECT MANAGER: Hermann M. Weiss	SIGN.: May Britt Myhr
----------------------	---------------------	-------------------------	--------------------------------------	--------------------------

CLIENT:

Norsk Hydro a.s, Harstad, attn: S.G. Holehouse

SUMMARY:

This report contains tables with analytical data from gas chromatographic analysis of headspace and occluded gas from 134 canned cutting samples from Barents Sea Well 7219/9-1. The yields (µl/kg dry rock) and relative proportions (vol %) of 58 hydrocarbon compounds ranging from C₁ to n-C₈ are reported.

SA 88-0866-1

17 JUNI 1988

REGISTRERT

OLJEDIREKTORATET

KEY WORDS: Barents Sea	Well 7219/9-1
Organic Geochemistry	
Gas analysis	

CONTENTS

	PAGE
1. INTRODUCTION	3
2. EXPERIMENTAL METHODS	3
3. COMMENTS ON THE SAMPLES AND THE ANALYTICAL DATA	4
FIGURES	5
Figure 1: Frequency distribution of the water content of the $>125\mu\text{m}$ fraction.	6
TABLES	7
Table 1: Sample identification and experimental data	8
Table 2: Yield of headspace and occluded gas hydrocarbons	11
Table 3: Composition of hydrocarbons in headspace and occluded gas	46

1. INTRODUCTION

One hundred and thirty-four canned cutting samples from Barents Sea well 7219/9-1 were received from Norsk Hydro for gas chromatographic analysis of the hydrocarbons contained in the headspace and the occluded gas (C₁-C₈). The cans were received at ambient temperature.

This report contains the results of the gas chromatographic analyses. The hydrocarbon concentrations are expressed as μl gas per kg of dried sample.

2. EXPERIMENTAL METHODS

Headspace gas:

A septum was attached to the can and a sample of the headspace gas was taken for analysis of C₁, C₂, C₃, i-C₄, nC₄ and C₅₊ hydrocarbons.

The gas was analysed on an HP 5880 gas chromatograph equipped with a 50 m x 0.2 mm i.d. fused silica column, coated with 0.5 μm OV-101 and an FID for hydrocarbon analysis.

Temperature program: - 30°C (2 min.) - 8°C/min. - 150°C (5 min.).

A standard gas sample containing methane, ethane, propane, n-butane, n-pentane, and n-hexane (1000 ppm each) was used for quantification.

The can was then opened and headspace volume, water volume, and sample weight were measured. The canned samples were washed with warm water (30-40°C) on 4.0, 2.0 and 0.125 mm sieves to remove drilling mud and were then dried at 35°C.

Occluded gas:

Prior to drying, an aliquot of the 1-4 mm fraction of each sample was crushed in water for 10 minutes using a gas-tight ball mill. The evolved gas was analysed as described for headspace gas.

Water content:

The water content was determined on the fraction >0.125 mm. It is assumed that this water content is not significantly different from the one of the 1-4 mm fraction.

3. COMMENTS ON THE SAMPLES AND THE ANALYTICAL DATA

The wet cutting samples were received in sealed cans of 1 l volume. Since the samples had apparently been stored at ambient temperature, a secondary modification of the gas composition by microbial activity cannot be completely ruled out.

Overpressured headspace gas was found at 3980 m depth (Table 1). The sum of the headspace volume and the volume of the gas released on puncturing the can was used in the calculation of the gas yield.

The occluded gas data for the sample from 3410 m depth should be considered with care, as the wet rock chips were crushed without having added water.

The concentrations are tabulated with two decimals. This does not reflect a particularly high precision of the data, but shall enable the calculation of molecular ratios between compounds which occur in low concentrations.

FIGURES

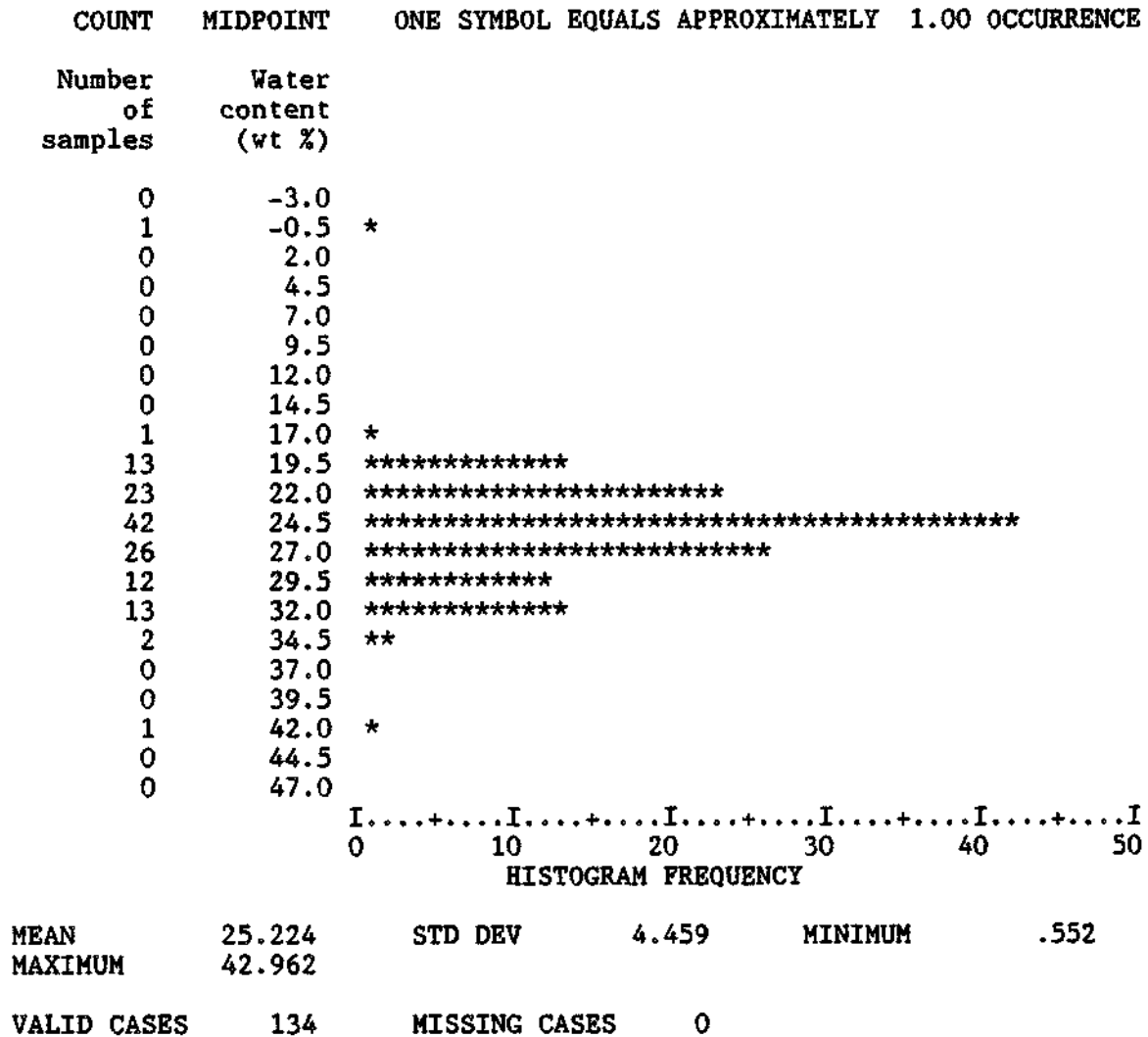


Figure 1: Frequency distribution of the water content of the >125µm fraction.

TABLES

Table 1: Sample identification and experimental data.

IKU-ID	Depth (m)	Total weight (dry) (g)	Water cont. (wt%)	Total sample volume (ml)	Head-space vol. (ml)	Wt. occl. (dry) (g)	Gas vol. occl. (ml)
372620	1100	125.3	29.0	200	640	14.9	26.5
372630	1120	226.8	26.0	350	450	15.5	27.0
372640	1140	238.3	26.0	395	340	15.1	29.0
372650	1170	314.3	23.8	410	420	15.5	26.5
372660	1200	129.4	25.6	160	450	14.9	29.5
372670	1230	297.0	25.5	410	280	15.0	29.0
372680	1260	235.4	24.0	240	410	15.6	29.0
372690	1290	148.7	25.7	125	540	15.2	28.5
372700	1320	300.3	25.4	480	400	14.9	28.5
372710	1350	324.6	22.3	410	410	15.6	30.0
372720	1380	331.4	23.6	340	260	15.9	27.5
372730	1410	320.8	26.3	440	230	14.8	26.5
372740	1440	266.1	20.8	440	170	16.1	23.0
372750	1470	213.0	23.7	480	500	15.4	24.0
372760	1490	195.0	24.5	440	330	15.3	26.0
372770	1510	146.2	20.6	610	240	16.0	29.5
372780	1530	65.6	23.4	220	480	15.8	28.0
372790	1550	113.5	24.3	490	200	15.4	27.5
372800	1570	49.4	31.2	160	550	3.5	36.0
372810	1590	95.1	21.9	360	560	15.7	28.0
372820	1610	53.8	24.6	130	550	15.4	26.0
372830	1630	223.1	19.8	230	740	16.1	30.0
372840	1650	237.8	17.2	390	370	19.1	25.5
372850	1670	121.1	20.5	460	285	16.5	29.0
372860	1690	127.1	19.6	320	520	16.2	30.0
372870	1710	184.6	19.6	370	310	16.1	28.5
372880	1730	152.4	21.3	260	240	16.2	29.5
372890	1750	77.5	29.1	320	310	14.5	29.5
372900	1760	101.6	24.7	390	410	15.1	28.5
372910	1770	115.6	21.1	580	100	16.0	28.0
372920	1780	115.9	23.1	550	270	17.1	26.0
372930	1790	123.4	24.8	370	340	15.0	31.5
372940	1800	149.4	23.2	390	100	15.8	28.5
372950	1810	153.0	22.6	380	150	15.6	30.5
372960	1820	223.5	22.4	520	100	15.6	29.0
372970	1830	137.9	20.2	350	70	16.1	29.5
372980	1840	166.3	27.9	420	100	16.1	27.0
372990	1850	275.9	18.3	640	150	16.7	29.5
373000	1860	153.7	18.7	320	330	17.1	28.5
373010	1870	136.3	22.6	320	560	15.5	29.5
373020	1880	119.3	24.6	325	570	15.3	28.5
373030	1890	80.0	23.4	300	480	15.8	27.5
373040	1900	98.7	21.4	265	105	16.2	27.0
373050	1910	105.1	22.8	270	70	15.8	29.0
373060	1920	129.3	21.9	320	170	16.0	28.0
373070	1930	377.9	19.7	390	265	16.2	30.5
373080	1940	329.7	20.8	450	350	15.8	29.5

Table 1 (cont'd)

IKU-ID	Depth (m)	Total weight (dry) (g)	Water cont. (wt%)	Total sample volume (ml)	Head- space vol. (ml)	Wt. occl. (dry) (g)	Gas vol. occl. (ml)
373090	1950	320.6	23.0	490	190	15.6	29.0
373100	1960	231.2	26.6	380	150	15.2	27.0
373110	2130	119.7	23.1	155	430	15.9	30.0
373120	2160	327.5	19.1	435	350	16.6	30.0
373130	2180	168.8	20.6	420	210	16.1	29.5
373140	2210	170.0	24.0	480	275	15.4	31.0
373150	2240	90.4	24.5	320	280	15.5	29.0
373160	2270	112.9	25.5	60	360	15.2	29.5
373170	2300	280.6	23.2	380	370	15.5	27.5
373180	2300	197.7	24.4	180	350	15.2	30.0
373190	2330	121.4	24.2	160	370	15.5	30.5
373200	2360	146.3	.6	220	170	20.3	27.5
373210	2390	56.5	29.4	110	300	14.7	27.0
373220	2420	110.9	24.9	280	270	15.2	28.0
373230	2450	107.4	25.0	200	210	15.0	29.0
373240	2480	89.4	25.2	120	250	15.3	29.0
373250	2510	83.6	26.5	160	210	15.2	29.0
373260	2540	213.4	26.2	250	225	14.9	30.0
373270	2570	235.0	21.3	260	340	16.1	27.0
373280	2600	236.9	43.0	330	310	11.6	30.5
373290	2630	259.4	20.4	340	220	16.4	30.0
373300	2660	138.7	23.3	110	280	15.9	27.0
373310	2690	268.9	21.6	380	230	15.8	30.0
373320	2750	142.8	31.5	140	740	13.7	28.0
373330	2720	151.2	23.0	400	200	15.6	27.5
373340	2780	143.3	30.8	460	250	14.3	27.0
373350	2810	79.4	32.3	200	420	14.3	26.5
373360	2840	128.1	28.1	310	360	14.7	27.5
373370	2870	119.4	25.9	140	340	15.1	27.0
373380	2900	100.5	30.7	470	210	13.1	29.5
373390	2930	171.7	26.9	230	280	15.2	26.0
373400	2960	78.5	32.6	230	340	3.0	37.0
373410	2990	97.7	32.3	370	260	7.4	32.5
373420	3020	138.1	31.1	150	500	7.6	32.0
373430	3050	89.0	29.6	140	500	2.5	37.5
373440	3080	118.2	32.0	280	570	2.6	37.0
373450	3110	83.7	30.4	130	490	2.5	35.0
373460	3140	143.9	31.4	210	330	11.3	29.0
373470	3170	91.5	29.2	370	370	14.7	28.5
373480	3200	48.3	29.8	190	420	4.7	35.0
373490	3230	45.9	30.8	110	460	5.5	33.0
373500	3260	136.6	30.8	330	440	10.4	31.0
373510	3290	119.4	27.9	450	430	14.6	28.5
373520	3320	43.8	30.8	920	360	4.9	36.0
373530	3350	28.8	35.0	150	290	2.3	36.5
373540	3380	40.6	31.6	140	440	3.8	34.0
373550	3410	108.4	24.3	190	510	15.7	52.0

Table 1 (cont'd)

IKU-ID	Depth (m)	Total weight (dry) (g)	Water cont. (wt%)	Total sample volume (ml)	Head- space vol. (ml)	Wt. occl. (dry) (g)	Gas vol. occl. (ml)
373560	3440	160.2	28.5	350	460	14.4	29.0
373570	3470	74.6	28.6	100	400	14.4	31.5
373580	3500	247.3	26.1	380	360	14.8	31.0
373590	3530	41.4	34.4	210	370	12.0	32.5
373600	3560	94.9	26.4	60	410	14.8	29.0
373610	3590	201.6	25.9	460	350	15.0	27.0
373620	3620	154.4	24.3	220	250	15.1	28.5
373630	3650	88.1	27.8	150	360	14.9	38.5
373640	3680	103.5	25.8	200	260	15.6	26.5
373650	3700	106.7	25.3	190	330	15.0	28.0
373660	3720	337.1	23.4	720	180	15.5	28.0
373670	3740	270.3	24.2	500	180	15.3	29.0
373680	3760	414.0	22.7	470	300	15.8	29.0
373690	3780	140.9	26.7	230	490	14.7	27.5
373700	3800	205.0	26.8	490	300	15.4	28.5
373710	3820	196.2	28.6	560	300	11.0	31.0
373720	3840	271.3	24.9	310	140	15.5	27.5
373730	3860	338.4	26.1	580	240	15.3	29.0
373740	3880	220.6	27.5	340	110	4.9	33.0
373750	3900	267.2	25.7	330	185	15.8	26.0
373760	3920	230.9	25.6	685	180	15.5	27.0
373770	3940	115.6	27.9	330	140	13.0	29.0
373780	3960	391.9	23.4	460	300	16.2	28.5
373790	3980	383.1	25.0	720	170+40*)	15.2	27.0
373800	4000	150.9	25.2	290	210	15.0	29.0
373810	4020	198.3	26.5	620	230	15.6	26.5
373820	4040	309.6	25.5	650	280	15.4	26.5
373830	4060	189.2	28.2	310	170	15.0	28.0
373840	4080	279.3	25.9	670	280	14.9	27.0
373850	4100	413.0	23.4	600	310	15.5	28.5
373860	4120	237.5	24.0	190	260	15.3	26.0
373870	4140	235.9	26.9	310	150	14.8	27.0
373880	4160	442.0	18.8	260	280	16.4	29.0
373890	4180	409.5	21.6	300	420	15.8	29.5
373900	4200	232.7	26.6	170	520	15.6	27.0
373910	4210	65.6	28.7	20	490	10.6	31.0
373920	4240	353.0	21.7	250	270	16.0	29.5
373930	4260	173.2	23.5	170	460	15.8	28.0
373940	4280	296.2	23.7	340	140	15.4	30.0
373950	4300	181.1	24.4	150	100	15.1	30.0

Comments:

- Total weight and water content relate to >125µm fraction.
- Total sample volume relates to cuttings plus mud.
- Headspace volume relates to atmospheric pressure.
- Gas volume occl. is the volume of the headspace in the ball mill.
- *) Overpressure recorded.

Table 2: Yield of headspace and occluded gas hydrocarbons.

Concentration in $\mu\text{l gas/kg}$ dried sediment.
RI = retention index

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS

microliters gas per kg dry sediment

IKU-NR GRIDNR	372621 1100m H	372622 1100m O	372631 1120m H	372632 1120m O	372641 1140m H	372642 1140m O	372651 1170m H	372652 1170m O
COMPOUND								
Methane	16788.43	186.30	18762.99	236.38	23865.54	298.47	19458.70	232.12
Ethene	0.00	14.90	0.00	18.90	0.00	19.28	0.00	16.79
Ethane	164.93	16.40	261.57	25.43	443.56	43.19	563.31	37.60
Propene	0.00	0.00	0.00	8.17	0.00	8.12	0.00	6.53
Propane	227.19	22.16	252.14	53.81	213.19	75.94	406.61	103.33
? RI= 321	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Butane	196.24	34.54	246.03	79.64	232.24	129.08	291.26	126.62
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	118.81	44.11	153.51	95.18	109.18	119.78	164.06	145.89
neo-C5	0.00	0.00	0.00	0.00	0.00	0.00	3.81	0.00
? RI= 423	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Pentane	226.07	126.26	238.17	205.95	161.57	244.37	191.22	242.59
? RI= 488	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Pentane	38.61	39.23	40.34	59.80	25.95	69.06	31.04	70.03
? RI= 508	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 519	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
neoC6?	0.00	2.88	4.35	4.23	2.91	4.97	3.23	4.53
cyclo-C5	0.00	0.00	6.85	5.14	3.91	5.90	5.25	6.60
2,3-diMeC4	9.09	8.77	9.68	13.10	6.29	15.08	6.86	13.97
2-MeC5	21.25	30.52	20.87	42.14	13.54	48.55	14.43	45.49
3-MeC5	20.89	26.57	21.09	37.38	13.74	43.79	14.81	41.75
n-Hexane	0.00	11.47	5.54	14.86	3.70	17.02	3.69	15.97
neo-C7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MeCyC5	63.59	45.35	58.49	66.23	34.40	74.71	38.54	73.55
2,4-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	10.57	5.83	9.66	8.80	5.46	9.87	6.31	9.98
2-MeC6	0.00	4.04	0.00	5.12	0.00	5.32	0.00	4.86
2,3-diMeC5	0.00	4.45	0.00	5.71	0.00	6.15	0.00	5.66
? RI= 672	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC6	0.00	7.52	0.00	9.89	0.00	10.60	0.00	9.98
diMeCyC5	11.95	15.38	11.47	20.05	6.92	22.41	7.32	20.88
diMeCyC5	10.37	13.66	10.04	17.96	6.16	20.20	6.55	18.89
diMeCyC5	11.39	14.37	11.55	19.51	7.52	23.03	8.45	22.64
n-Heptane	0.00	5.60	0.00	7.12	0.00	6.93	0.00	6.46
MeCyC6	48.32	40.44	43.39	61.07	24.68	65.57	26.22	60.68
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.00	5.87	3.81	7.40	0.00	7.89	2.26	7.49
2,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	5.92	0.00	7.66	0.00	7.87	0.00	7.61
triMeCyC5	0.00	4.38	0.00	5.52	0.00	5.95	0.00	6.22
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	10.55	5.75	12.28	3.00	11.06	3.25	11.30
diMeCyC6	0.00	5.23	0.00	6.03	0.00	5.61	0.00	5.21
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.79
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	0.00	3.84	0.00	4.58	0.00	4.17	0.00	3.95
SUM:	17967.7	756.5	20177.3	1165.1	25183.5	1429.9	21257.2	1388.0

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS

microliters gas per kg dry sediment

IKU-NR GRIDNR	372661 1200m H	372662 1200m O	372671 1230m H	372672 1230m O	372681 1260m H	372682 1260m O	372691 1290m H	372692 1290m O
COMPOUND								
Methane	18320.22	252.16	19081.21	336.38	30919.49	277.12	25378.69	241.72
Ethene	0.00	22.00	0.00	25.06	0.00	21.42	0.00	20.38
Ethane	711.10	29.22	631.09	64.34	922.43	47.59	702.54	25.71
Propene	0.00	8.81	0.00	9.86	0.00	8.51	0.00	7.13
Propane	1070.02	110.83	768.27	271.25	1060.72	226.94	1015.51	62.46
? RI= 321	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Butane	487.25	106.16	323.16	188.75	421.23	162.79	453.46	62.16
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	401.31	180.68	246.45	286.79	341.41	256.63	412.14	111.49
neo-C5	0.00	0.00	3.75	0.00	0.00	0.00	0.00	0.00
? RI= 423	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Pentane	364.63	255.68	219.14	371.12	294.54	321.83	377.16	173.64
? RI= 488	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Pentane	65.41	86.76	37.68	114.24	53.17	107.32	77.10	63.54
? RI= 508	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 519	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
neoC6?	0.00	4.81	3.27	6.53	4.13	5.37	0.00	3.49
cyclo-C5	15.34	8.99	6.93	12.78	11.03	11.36	15.54	5.96
2,3-diMeC4	13.21	15.90	7.41	20.78	9.95	17.98	14.78	11.87
2-MeC5	28.31	55.44	15.89	67.94	22.05	62.89	34.79	43.95
3-MeC5	29.70	50.84	16.12	62.31	22.00	55.86	34.03	37.74
n-Hexane	7.58	22.08	4.47	25.75	5.97	24.98	10.46	18.49
neo-C7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MeCyC5	96.09	97.09	43.53	120.45	67.21	108.30	99.50	66.38
2,4-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	17.63	13.70	7.50	18.04	12.24	16.53	19.25	10.54
2-MeC6	0.00	7.37	0.00	8.06	0.00	7.64	0.00	6.39
2,3-diMeC5	0.00	7.88	0.00	8.95	0.00	8.24	0.00	6.34
? RI= 672	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC6	0.00	15.64	2.30	16.86	3.00	15.11	0.00	12.32
diMeCyC5	16.38	29.72	7.36	32.38	10.42	29.11	16.96	20.34
diMeCyC5	14.95	27.74	6.78	30.35	9.74	27.61	16.09	19.46
diMeCyC5	20.24	34.59	9.44	39.27	13.57	35.84	22.62	25.24
n-Heptane	0.00	11.07	0.00	11.68	0.00	11.73	0.00	9.64
MeCyC6	63.67	92.02	26.61	99.91	39.95	92.61	68.34	54.73
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	6.05	12.69	2.48	13.09	3.52	12.25	6.43	9.11
2,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	13.60	2.22	13.86	0.00	11.88	0.00	9.24
triMeCyC5	0.00	11.98	2.07	12.59	0.00	10.65	0.00	8.55
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.00	4.32	1.74	4.12	3.76	5.15	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	8.10	20.25	3.66	19.49	4.39	17.33	8.39	14.16
diMeCyC6	0.00	9.52	0.00	9.26	0.00	8.94	0.00	7.18
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	4.97	0.00	4.47	0.00	4.20	0.00	3.43
diMeCyC6	0.00	6.65	0.00	5.94	0.00	5.34	0.00	4.39
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	0.00	8.53	0.00	8.56	0.00	8.25	0.00	6.64
SUM:	21757.2	1639.7	21480.6	2341.2	34255.9	2045.3	28783.8	1184.0

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS

microliters gas per kg dry sediment

IKU-NR GRIDNR	372701 1320m H	372702 1320m O	372711 1350m H	372712 1350m O	372721 1380m H	372722 1380m O	372731 1410m H	372732 1410m O
COMPOUND								
Methane	13871.06	256.37	15822.67	285.17	14333.78	217.32	10046.73	190.24
Ethene	0.00	19.03	0.00	19.38	0.00	20.03	0.00	16.40
Ethane	608.52	41.18	633.61	57.71	569.59	50.76	525.82	41.02
Propene	0.00	6.96	0.00	8.08	0.00	10.67	0.00	7.32
Propane	825.24	159.85	665.35	229.23	525.85	185.08	523.49	138.57
? RI= 321	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Butane	360.04	129.61	269.83	175.21	224.01	144.18	257.17	107.04
Butene	0.00	0.00	0.00	0.00	0.00	5.34	0.00	0.00
n-Butane	297.86	185.73	216.03	227.75	148.54	170.53	150.98	124.73
neo-C5	3.77	0.00	0.00	0.00	2.26	0.00	2.74	0.00
? RI= 423	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Pentane	263.24	256.35	178.63	289.85	116.54	202.13	122.24	134.08
? RI= 488	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Pentane	53.56	81.31	36.47	88.44	20.92	61.26	21.96	44.26
? RI= 508	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 519	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
neoC6?	4.09	4.93	2.79	5.48	1.97	3.98	2.53	0.00
cyclo-C5	8.66	8.13	6.44	8.58	3.65	6.04	3.10	3.87
2,3-diMeC4	10.12	15.99	6.88	17.00	4.26	11.52	4.95	7.91
2-MeC5	25.03	54.42	16.24	56.42	9.06	36.93	9.94	25.57
3-MeC5	23.22	45.52	14.84	45.33	7.49	26.96	6.91	15.70
n-Hexane	7.46	20.85	5.05	21.35	2.65	15.10	3.02	11.42
neo-C7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MeCyC5	56.52	78.37	38.69	77.25	20.12	49.83	17.02	29.33
2,4-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	10.64	13.03	7.68	13.00	4.24	8.89	3.84	5.44
2-MeC6	0.00	6.64	0.00	6.46	0.00	4.08	0.00	2.88
2,3-diMeC5	2.37	6.92	0.00	6.79	0.00	4.20	0.00	3.04
? RI= 672	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC6	3.98	12.57	2.43	11.56	0.00	6.62	0.00	3.98
diMeCyC5	10.39	21.16	6.86	20.12	3.23	12.09	2.80	6.71
diMeCyC5	9.90	20.39	6.52	19.27	3.03	11.38	2.65	6.45
diMeCyC5	13.76	26.74	8.99	25.40	4.33	15.17	3.95	8.95
n-Heptane	2.54	9.24	0.00	8.98	0.00	6.62	0.00	5.25
MeCyC6	37.83	54.84	25.69	51.44	12.56	39.73	11.77	20.09
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	3.64	8.72	2.40	7.88	0.00	4.70	0.00	0.00
2,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	3.22	8.70	0.00	7.81	0.00	4.08	0.00	0.00
triMeCyC5	3.20	8.01	0.00	7.23	0.00	4.29	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.00	0.00	0.00	0.00	0.00	0.00	1.37	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	5.19	12.13	3.30	10.60	1.47	5.93	1.48	3.63
diMeCyC6	2.81	6.33	0.00	5.69	0.00	0.00	0.00	0.00
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	3.98	0.00	4.94	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	0.00	5.78	0.00	5.25	0.00	0.00	0.00	0.00
SUM:	16528.1	1589.8	17977.4	1824.7	16019.6	1345.5	11726.5	963.9

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS

microliters gas per kg dry sediment

IKU-NR GRIDNR	372741 1440m H	372742 1440m O	372751 1470m H	372752 1470m O	372761 1490m H	372762 1490m O	372771 1510m H	372772 1510m O
COMPOUND								
Methane	12118.87	199.93	16090.33	157.25	17170.78	198.26	56429.07	256.69
Ethene	0.00	16.94	0.00	13.76	0.00	19.10	0.00	10.21
Ethane	387.59	23.23	973.52	46.08	1335.08	108.16	2623.37	172.63
Propene	0.00	10.16	0.00	5.67	0.00	9.75	0.00	0.00
Propane	341.92	38.30	764.65	221.67	689.67	303.57	983.21	334.23
? RI= 321	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Butane	180.61	25.43	334.95	192.30	242.95	203.99	355.42	205.14
Butene	0.00	5.66	0.00	0.00	0.00	4.62	0.00	0.00
n-Butane	98.03	34.60	151.76	146.03	92.87	133.82	112.75	119.03
neo-C5	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 423	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Pentane	73.78	29.73	64.77	86.14	31.24	65.37	31.74	45.41
? RI= 488	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Pentane	14.34	12.96	17.56	32.57	8.92	27.82	11.16	24.17
? RI= 508	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 519	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
neoC6?	1.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
cyclo-C5	1.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-diMeC4	2.95	0.00	0.00	3.86	0.00	3.06	0.00	0.00
2-MeC5	5.97	6.20	4.88	10.78	0.00	9.77	3.18	7.71
3-MeC5	3.64	3.37	0.00	3.99	0.00	3.55	0.00	0.00
n-Hexane	2.01	3.90	0.00	6.25	0.00	6.10	0.00	5.16
neo-C7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MeCyC5	8.68	7.27	5.26	6.37	0.00	4.96	0.00	0.00
2,4-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	2.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 672	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	1.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	1.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	1.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Heptane	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MecyC6	5.74	6.26	0.00	3.83	0.00	3.02	0.00	0.00
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUM:	13255.5	423.9	18407.7	936.6	19571.5	1104.9	60549.9	1180.4

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS

microliters gas per kg dry sediment

IKU-NR GRIDNR	372781 1530m H	372782 1530m O	372791 1550m H	372792 1550m O	372801 1570m H	372802 1570m O	372811 1590m H	372812 1590m O
COMPOUND								
Methane	53779.46	173.30	54319.57	298.32	18902.52	462.34	47368.52	178.31
Ethene	0.00	20.47	0.00	18.20	0.00	67.68	0.00	19.14
Ethane	3134.85	58.66	2432.69	200.04	1791.95	68.09	3649.01	102.76
Propene	0.00	9.94	0.00	8.45	0.00	0.00	0.00	10.56
Propane	1632.44	213.21	797.97	367.80	1785.16	161.90	1523.95	329.26
? RI= 321	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Butane	650.71	151.84	276.30	236.34	944.57	162.82	458.54	192.01
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.42
n-Butane	235.24	112.55	93.09	145.20	437.55	145.85	195.26	146.81
neo-C5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 423	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Pentane	70.61	43.83	26.06	54.23	158.77	71.79	45.64	49.60
? RI= 488	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Pentane	29.41	31.65	11.37	35.66	81.72	64.59	25.20	42.05
? RI= 508	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 519	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
neoC67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
cyclo-C5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-diMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC5	0.00	9.89	0.00	10.23	22.82	22.53	0.00	9.72
3-MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Hexane	0.00	8.28	0.00	7.91	0.00	22.22	0.00	7.90
neo-C7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MeCyC5	0.00	3.15	0.00	0.00	0.00	0.00	0.00	0.00
2,4-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.19
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 672	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Heptane	0.00	3.23	0.00	0.00	0.00	0.00	0.00	0.00
MeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUM:	59532.7	840.0	57957.1	1382.4	24125.1	1249.8	53266.1	1098.7

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS

microliters gas per kg dry sediment

IKU-NR GRIDNR	372821 1610m H	372822 1610m O	372831 1630m H	372832 1630m O	372841 1650m H	372842 1650m O	372851 1670m H	372852 1670m O
COMPOUND								
Methane	40665.86	138.49	10102.44	158.12	22961.00	207.90	43155.29	282.13
Ethene	0.00	8.44	0.00	0.00	0.00	0.00	0.00	0.00
Ethane	4340.60	49.16	1624.09	66.52	1854.98	329.86	3583.70	319.16
Propene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Propane	2560.67	173.58	811.88	232.23	544.20	449.88	1298.57	448.85
? RI= 321	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Butane	890.63	110.94	254.84	118.40	107.47	164.80	237.01	108.51
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	449.51	93.57	127.60	108.15	53.68	127.45	124.66	116.51
neo-C5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 423	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Pentane	117.97	32.67	46.04	44.59	10.25	38.46	18.73	22.23
? RI= 488	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Pentane	83.62	28.18	25.47	37.77	8.67	37.84	18.69	35.12
? RI= 508	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 519	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
neoC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
cyclo-C5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-diMeC4	0.00	0.00	0.00	0.00	0.00	2.35	0.00	0.00
2-MeC5	16.77	6.57	6.53	10.66	0.00	8.14	0.00	5.98
3-MeC5	0.00	0.00	0.00	3.69	0.00	2.56	0.00	0.00
n-Hexane	0.00	4.78	0.00	8.14	0.00	6.61	0.00	5.94
neo-C7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MeCyC5	0.00	0.00	0.00	3.97	0.00	0.00	0.00	0.00
2,4-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	18.40	3.26	7.93	5.85	4.19	7.06	12.64	11.06
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 672	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Heptane	0.00	0.00	0.00	3.15	0.00	2.20	0.00	0.00
MeCyC6	0.00	0.00	0.00	3.48	0.00	0.00	0.00	0.00
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUM:	49144.0	649.6	13006.8	804.7	25544.4	1385.1	48449.3	1355.5

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS

microliters gas per kg dry sediment

IKU-NR GRIDNR	372861 1690m H	372862 1690m O	372871 1710m H	372872 1710m O	372881 1730m H	372882 1730m O	372891 1750m H	372892 1750m O
COMPOUND								
Methane	54565.22	233.48	27815.55	238.00	15113.69	150.81	28334.40	211.95
Ethene	0.00	13.70	0.00	0.00	0.00	0.00	0.00	12.29
Ethane	4748.73	316.50	2813.01	331.08	2309.39	168.42	5002.72	247.19
Propene	0.00	5.96	0.00	0.00	0.00	0.00	0.00	0.00
Propane	1773.11	566.59	1103.39	596.11	1134.00	486.71	3435.72	897.02
? RI= 321	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Butane	320.92	133.83	167.83	140.30	185.73	152.71	551.12	260.41
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	175.27	156.93	115.92	193.23	150.46	226.90	642.52	529.29
neo-C5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 423	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Pentane	17.72	22.52	13.10	29.46	19.63	46.89	113.00	137.80
? RI= 488	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Pentane	23.69	39.20	14.37	51.88	19.10	70.71	105.56	187.80
? RI= 508	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 519	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
neoC67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00
cyclo-C5	0.00	0.00	0.00	0.00	0.00	0.00	7.52	6.18
2,3-diMeC4	0.00	0.00	0.00	0.00	0.00	3.17	0.00	8.24
2-MeC5	0.00	5.31	0.00	7.68	0.00	11.49	11.36	26.77
3-MeC5	0.00	0.00	0.00	3.13	0.00	5.17	6.96	14.59
n-Hexane	0.00	5.56	0.00	10.23	2.71	16.21	14.16	36.91
neo-C7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.86
2,4-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	15.34	9.78	9.94	13.44	8.93	13.22	34.28	15.89
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	0.00	0.00	0.00	4.92	3.94	9.69	36.32	35.60
2-MeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.46
2,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 672	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.50
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Heptane	0.00	0.00	0.00	0.00	0.00	4.01	0.00	7.24
MecyC6	0.00	0.00	0.00	0.00	0.00	3.44	8.64	12.61
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.00	0.00	0.00	2.74	0.00	4.15	12.00	6.92
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUM:	61640.0	1509.4	32053.1	1622.2	18947.6	1373.7	38316.3	2672.5

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS

microliters gas per kg dry sediment

IKU-NR GRIDNR	372901 1760m H	372902 1760m O	372911 1770m H	372912 1770m O	372921 1780m H	372922 1780m O	372931 1790m H	372932 1790m O
COMPOUND								
Methane	32403.52	212.77	19119.57	330.52	10854.95	477.82	31393.07	725.17
Ethene	0.00	11.76	0.00	14.11	0.00	28.05	0.00	39.12
Ethane	5429.03	243.34	2574.10	180.51	1683.26	162.29	5254.31	199.75
Propene	0.00	0.00	0.00	6.11	0.00	10.42	0.00	13.25
Propane	3694.16	642.42	2163.39	426.30	1653.17	515.24	5264.96	671.90
? RI= 321	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Butane	633.36	143.20	521.00	96.86	426.30	188.46	1381.80	275.86
Butene	0.00	0.00	0.00	0.00	0.00	4.53	0.00	0.00
n-Butane	731.30	338.23	579.38	287.81	557.83	482.03	1824.69	719.69
neo-C5	0.00	0.00	6.70	0.00	5.87	0.00	19.52	0.00
? RI= 423	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Pentane	144.99	81.06	191.37	93.22	211.02	240.98	686.41	416.39
? RI= 488	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Pentane	130.99	132.08	150.21	158.51	179.90	349.81	610.62	603.41
? RI= 508	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 519	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
neoC6?	0.00	3.27	7.87	3.97	9.03	12.33	28.19	22.05
cyclo-C5	10.05	4.30	8.10	5.50	9.68	11.05	34.61	17.98
2,3-diMeC4	6.74	6.12	12.59	9.71	15.94	29.88	52.53	55.31
2-MeC5	17.51	22.63	37.85	43.63	54.37	142.74	194.91	287.39
3-MeC5	11.06	12.74	24.51	26.30	35.29	85.48	124.02	170.92
n-Hexane	21.43	32.84	37.84	68.74	57.10	206.11	224.92	437.93
neo-C7	0.00	0.00	2.08	2.80	0.00	11.25	9.75	19.74
MeCyC5	8.51	6.23	16.67	15.82	24.09	45.01	92.31	89.08
2,4-diMeC5	0.00	0.00	3.03	4.64	4.52	21.04	17.40	39.33
triMeC4	0.00	0.00	0.00	0.00	0.00	3.15	0.00	5.73
Benzene	45.32	15.27	17.15	16.00	9.68	19.58	60.95	23.20
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	6.42	6.03	11.44
CyC6	53.83	28.18	58.16	50.09	77.04	121.88	270.71	215.88
2-MeC6	0.00	3.11	7.15	15.71	13.71	73.94	54.98	150.59
2,3-diMeC5	0.00	0.00	5.34	9.06	8.68	36.84	30.78	69.80
? RI= 672	0.00	0.00	5.71	5.79	8.40	19.63	27.86	37.06
3-MeC6	0.00	3.38	8.40	17.38	15.36	79.55	61.31	161.36
diMeCyC5	0.00	0.00	2.40	3.48	4.28	13.47	16.90	29.02
diMeCyC5	0.00	0.00	3.27	5.23	5.80	20.63	22.35	42.42
diMeCyC5	0.00	0.00	4.52	6.37	8.01	24.74	30.67	52.04
n-Heptane	0.00	6.25	10.42	29.68	20.20	133.95	93.99	289.30
MecyC6	18.85	17.36	51.64	76.04	83.19	222.61	305.86	437.39
? RI= 726	0.00	0.00	0.00	0.00	0.00	23.49	0.00	46.66
2,5-diMeC6	0.00	0.00	0.00	0.00	0.00	15.24	7.16	26.82
2,4-diMeC6	0.00	0.00	2.35	5.64	4.47	28.19	18.61	53.02
triMeCyC5	0.00	0.00	0.00	2.80	0.00	15.17	10.05	29.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	11.04	8.59	22.43
triMeCyC5	0.00	0.00	0.00	0.00	0.00	3.13	0.00	5.19
Toluene	16.87	6.78	11.22	14.74	6.24	22.24	43.42	33.60
triMeCyC5	0.00	0.00	0.00	0.00	0.00	10.81	6.22	19.64
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	3.47	0.00	6.17
2-MeC7	0.00	0.00	2.83	9.43	6.33	54.43	30.50	101.95
4-MeC7	0.00	0.00	0.00	2.71	0.00	17.26	8.95	32.24
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	5.85	0.00	10.54
3-MeC7	0.00	0.00	2.11	7.12	4.75	43.20	23.35	80.91
diMeCyC6	0.00	0.00	3.34	7.17	6.14	35.06	28.19	69.99
diMeCyC6	0.00	0.00	2.35	4.74	3.98	22.37	18.39	44.16
? RI= 786	0.00	0.00	0.00	0.00	0.00	2.46	0.00	3.93
diMeCyC6	0.00	0.00	1.86	3.31	0.00	13.15	11.18	24.65
diMeCyC6	0.00	0.00	0.00	0.00	0.00	5.40	0.00	11.59
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.59
n-Octane	0.00	0.00	4.62	13.47	8.84	70.76	43.28	139.52
SUM:	43377.5	1973.3	25661.1	2081.0	16077.4	4203.7	48454.3	7095.1

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS

microliters gas per kg dry sediment

IKU-NR GRIDNR	372941 1800m H	372942 1800m O	372951 1810m H	372952 1810m O	372961 1820m H	372962 1820m O	372971 1830m H	372972 1830m O
COMPOUND								
Methane	36247.98	602.68	28015.43	579.54	32139.20	739.13	17531.88	633.19
Ethene	0.00	64.03	0.00	78.30	0.00	85.79	0.00	58.43
Ethane	7008.05	383.13	7564.04	281.97	7811.91	627.63	5282.89	552.90
Propene	0.00	21.95	0.00	27.41	0.00	34.35	0.00	19.79
Propane	8271.46	1475.34	11967.56	1138.33	10625.15	2557.87	8289.99	2458.82
? RI= 321	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Butane	2481.35	772.21	4618.42	693.80	3709.02	1531.55	3131.81	1478.68
Butene	0.00	7.81	0.00	10.34	0.00	14.89	0.00	7.37
n-Butane	3651.12	2039.70	7122.38	2106.71	5558.15	4167.54	4756.64	3964.52
neo-C5	36.03	16.92	74.47	17.15	58.11	34.48	44.59	33.22
? RI= 423	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Pentane	1476.76	1450.42	3248.77	1748.45	2226.57	3160.65	1923.79	2918.43
? RI= 488	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Pentane	1307.94	2002.54	2920.72	2538.44	1950.92	4215.43	1697.18	3830.49
? RI= 508	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 519	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
neoC6?	49.43	74.41	108.25	95.86	64.59	150.95	53.04	133.45
cyclo-C5	45.47	54.76	87.31	70.31	53.83	119.79	45.36	97.86
2,3-diMeC4	97.86	192.57	218.23	260.81	131.81	410.31	110.91	359.86
2-MeC5	411.69	1079.79	977.81	1509.59	608.65	2341.58	496.59	1983.13
3-MeC5	248.94	627.32	570.58	872.22	339.23	1327.49	275.67	1101.47
n-Hexane	450.12	1611.82	1101.67	2358.98	669.96	3531.62	536.42	2805.80
neo-C7	14.89	57.74	35.66	85.56	21.39	125.54	16.86	104.97
MeCyC5	152.20	308.41	306.37	437.60	163.86	649.36	138.07	509.18
2,4-diMeC5	29.34	127.31	71.60	187.56	41.89	266.76	32.01	214.95
triMeC4	5.45	18.02	12.41	25.77	6.67	35.93	5.02	29.30
Benzene	23.90	35.81	41.69	40.08	27.04	71.37	17.68	49.67
3,3-diMeC5	8.89	32.02	19.76	47.82	11.19	67.31	8.95	54.97
CyC6	332.42	638.33	642.08	912.07	345.50	1375.44	300.27	1109.29
2-MeC6	99.87	530.32	252.12	849.82	148.86	1223.71	112.37	942.50
2,3-diMeC5	47.82	208.48	110.57	320.64	62.56	450.15	49.94	359.02
? RI= 672	39.93	113.08	84.14	172.07	44.85	250.40	37.96	201.88
3-MeC6	108.49	554.88	268.09	894.47	155.87	1282.23	119.20	986.69
diMeCyC5	30.45	105.20	66.18	163.37	34.06	223.11	27.27	168.52
diMeCyC5	37.86	141.83	83.10	220.79	43.40	304.24	34.62	232.06
diMeCyC5	51.49	176.68	108.81	270.88	54.24	362.17	43.59	272.87
n-Heptane	168.02	1083.31	453.50	1851.00	267.48	2677.76	197.95	1969.92
MeCyC6	425.11	1410.50	870.72	2225.13	436.64	3032.41	363.03	2310.38
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	9.06	66.56	21.84	104.54	12.68	143.85	8.96	111.94
2,4-diMeC6	26.31	139.76	58.41	222.65	30.84	298.25	25.28	226.14
triMeCyC5	14.15	79.62	32.35	130.11	17.09	172.29	12.32	128.32
triMeCyC5	11.75	61.56	25.95	99.46	13.14	128.57	9.85	95.76
triMeCyC5	1.86	11.40	4.21	18.22	2.26	24.32	1.75	18.96
Toluene	27.47	70.28	54.11	96.49	31.73	158.55	20.10	107.04
triMeCyC5	7.08	46.75	16.43	75.96	9.12	103.34	6.69	80.24
3Et2MeC5	2.05	13.04	4.61	21.15	2.52	27.98	1.93	22.28
2-MeC7	44.26	314.04	112.20	536.41	64.03	761.53	45.44	577.56
4-MeC7	13.03	96.70	33.17	165.56	19.13	231.24	13.44	176.80
3,4-diMeC6	3.55	24.03	8.30	39.22	4.52	52.92	3.29	41.12
3-MeC7	33.08	236.35	82.41	404.07	46.11	559.27	32.32	421.96
diMeCyC6	36.14	186.53	79.86	316.42	39.71	410.93	29.52	300.66
diMeCyC6	22.44	110.95	48.25	182.88	23.68	235.64	17.80	172.97
? RI= 786	0.00	0.00	0.00	10.28	0.00	13.76	0.00	11.01
diMeCyC6	13.62	59.40	28.81	98.69	14.41	130.87	11.67	100.70
diMeCyC6	6.71	36.20	15.15	61.31	7.16	77.56	5.05	54.62
? RI= 797	2.54	10.35	5.72	17.91	2.99	24.63	2.28	19.24
n-Octane	67.21	474.78	179.31	864.01	102.73	1282.26	72.56	960.34
SUM:	63702.6	20057.6	72833.5	26558.2	68256.5	42286.7	46001.8	35581.2

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS

microliters gas per kg dry sediment

IKU-NR GRIDNR	372981 1840m H	372982 1840m O	372991 1850m H	372992 1850m O	373001 1860m H	373002 1860m O	373011 1870m H	373012 1870m O
COMPOUND								
Methane	36076.64	588.48	42406.32	1121.88	45335.34	737.73	13308.68	333.83
Ethene	0.00	56.33	0.00	57.23	0.00	64.68	0.00	50.80
Ethane	9243.87	674.51	8109.08	1626.21	17424.00	722.10	4478.32	121.05
Propene	0.00	19.77	0.00	19.24	0.00	25.57	0.00	16.98
Propane	11266.66	2258.34	6113.43	3896.03	20967.02	3278.10	8241.78	1014.40
? RI= 321	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Butane	3893.05	1200.54	1562.23	1486.55	6547.08	1757.08	3799.33	758.89
Butene	0.00	7.46	0.00	7.24	0.00	11.05	0.00	6.28
n-Butane	5749.92	3289.20	2383.76	3746.41	10629.03	5094.12	6125.98	2259.64
neo-C5	54.35	24.77	18.78	22.40	90.07	36.48	52.84	17.74
? RI= 423	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Pentane	2126.64	2089.88	728.70	1614.06	3153.83	2375.40	2346.54	1305.06
? RI= 488	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Pentane	1842.67	2793.59	612.45	2026.00	3194.90	3533.22	2609.57	1953.32
? RI= 508	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 519	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
neoC6?	58.88	91.45	22.01	63.31	120.58	121.72	101.15	79.21
cyclo-C5	53.91	78.82	26.06	73.56	139.90	108.98	125.89	53.67
2,3-diMeC4	123.34	252.36	46.39	170.99	219.53	278.55	204.32	180.98
2-MeC5	498.50	1279.73	152.69	762.99	717.88	1179.45	751.01	800.04
3-MeC5	275.70	706.83	90.82	426.94	443.15	683.92	471.17	463.44
n-Hexane	509.89	1760.05	144.61	981.27	891.34	1695.60	1030.19	1135.48
neo-C7	16.66	65.50	5.87	41.76	41.67	82.83	48.60	66.27
MeCyC5	141.74	342.30	53.28	214.71	234.99	293.78	277.95	187.83
2,4-diMeC5	31.14	132.08	9.58	79.21	60.74	135.23	75.47	106.39
triMeC4	5.53	18.93	2.18	11.16	14.58	25.80	16.27	19.13
Benzene	27.29	47.73	24.53	85.32	134.40	99.82	138.66	42.42
3,3-diMeC5	9.01	34.71	3.51	23.03	28.45	50.50	32.25	38.35
CyC6	359.56	855.70	177.88	678.38	1011.11	1124.40	1135.49	669.84
2-MeC6	102.03	552.86	27.85	320.79	152.05	404.07	233.04	310.80
2,3-diMeC5	49.88	232.27	18.13	150.61	132.69	272.05	172.31	210.21
? RI= 672	41.44	138.86	19.61	96.43	136.01	200.82	158.88	139.89
3-MeC6	109.19	586.34	32.13	345.49	201.16	489.23	299.64	377.58
diMeCyC5	25.68	102.23	8.61	56.49	37.29	72.42	55.38	53.33
diMeCyC5	33.05	142.58	11.52	83.57	68.38	134.33	96.88	103.02
diMeCyC5	43.85	175.97	17.75	110.51	109.13	191.55	146.43	139.47
n-Heptane	176.43	1143.42	42.80	640.94	288.11	779.27	492.17	577.61
MeCyC6	383.57	1537.49	167.73	1021.81	1100.40	1799.08	1542.90	1286.62
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	8.67	70.28	2.43	47.77	15.69	50.93	28.23	38.96
2,4-diMeC6	22.61	141.78	7.53	93.91	62.87	140.48	100.33	110.23
triMeCyC5	11.91	77.70	4.10	52.04	36.33	80.30	57.81	66.71
triMeCyC5	9.96	61.24	3.89	42.06	32.85	68.52	51.36	54.74
triMeCyC5	2.06	14.15	0.00	11.01	11.53	23.43	16.60	20.00
Toluene	28.08	81.54	18.59	87.32	101.88	107.13	135.54	59.13
triMeCyC5	6.69	51.74	2.24	36.74	21.49	49.72	36.20	40.54
3Et2MeC5	2.08	15.29	0.00	11.82	12.73	25.23	19.31	22.12
2-MeC7	44.51	367.40	12.90	254.37	89.36	254.67	169.23	178.73
4-MeC7	12.77	111.20	3.48	76.13	26.73	77.67	52.10	56.81
3,4-diMeC6	3.31	26.58	0.00	18.83	12.84	28.65	21.53	23.77
3-MeC7	30.17	260.11	8.27	174.95	60.10	174.75	120.96	127.84
diMeCyC6	28.45	183.92	11.11	124.87	116.71	220.48	197.83	180.16
diMeCyC6	17.32	106.71	6.59	69.97	56.30	109.77	98.07	86.90
? RI= 786	0.00	7.50	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	12.00	65.57	5.64	46.32	55.07	94.63	86.53	74.05
diMeCyC6	5.09	34.71	1.92	23.30	25.76	48.03	43.06	39.38
? RI= 797	2.60	13.16	1.26	8.96	12.22	20.60	18.61	15.55
n-Octane	70.30	604.46	19.77	404.24	160.13	412.12	322.93	277.78
SUM:	73648.6	25576.2	63150.0	23647.1	114535.4	29846.0	50225.3	16353.0

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS

microliters gas per kg dry sediment

IKU-NR GRIDNR	373021 1880m H	373022 1880m O	373031 1890m H	373032 1890m O	373041 1900m H	373042 1900m O	373051 1910m H	373052 1910m O
COMPOUND								
Methane	7003.88	411.31	6764.22	540.32	25237.03	457.12	35943.02	1992.72
Ethene	0.00	63.93	0.00	51.88	0.00	36.02	0.00	55.10
Ethane	3312.93	89.15	2510.28	76.91	6522.43	363.87	13089.73	5347.43
Propene	0.00	23.40	0.00	18.62	0.00	13.05	0.00	14.17
Propane	6677.12	741.63	5219.52	424.21	6032.94	1238.53	5625.11	9310.38
? RI= 321	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Butane	2989.32	621.06	2251.32	395.50	1673.19	487.40	942.25	2353.13
Butene	0.00	9.56	0.00	7.80	0.00	5.47	0.00	0.00
n-Butane	5166.89	1918.57	3999.90	1314.67	2763.79	1613.80	1485.28	5379.85
neo-C5	45.25	15.91	32.16	9.83	20.65	6.23	8.22	18.26
? RI= 423	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Pentane	2052.76	1232.04	1542.00	855.75	822.37	617.88	334.81	1319.87
? RI= 488	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Pentane	2264.57	1902.57	1630.86	1339.70	671.09	859.27	243.19	1152.42
? RI= 508	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 519	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
neoC6?	89.20	79.74	62.76	49.92	19.98	16.77	4.05	12.10
cyclo-C5	115.05	52.81	93.78	37.82	35.28	38.72	16.78	63.43
2,3-diMeC4	179.60	184.71	130.20	123.72	42.13	49.88	11.96	43.26
2-MeC5	638.71	829.55	461.28	568.07	148.40	240.20	47.71	197.44
3-MeC5	406.31	483.42	297.84	332.12	91.13	142.45	28.55	113.10
n-Hexane	831.21	1231.54	554.94	823.92	132.39	305.53	36.07	150.03
neo-C7	39.32	71.31	27.60	43.67	6.07	12.02	0.00	0.00
MeCyC5	254.80	199.84	228.54	154.89	92.86	139.50	40.85	156.80
2,4-diMeC5	59.25	115.29	40.62	71.74	9.44	21.43	2.16	5.63
triMeC4	13.43	20.77	0.00	11.75	2.29	3.33	0.00	0.00
Benzene	136.22	50.18	125.88	37.56	29.48	45.55	13.26	62.97
3,3-diMeC5	26.85	42.02	19.14	26.16	3.78	7.13	0.00	0.00
CyC6	1072.58	724.37	859.20	510.73	166.38	242.15	47.41	150.91
2-MeC6	176.02	354.39	124.86	242.91	24.07	75.58	6.47	19.35
2,3-diMeC5	138.41	234.52	98.70	151.72	19.27	47.53	4.50	12.70
? RI= 672	141.66	154.96	106.20	102.03	19.01	33.00	3.70	9.89
3-MeC6	231.25	433.40	162.48	290.84	30.95	92.43	7.99	24.87
diMeCyC5	47.25	60.17	43.92	47.31	16.60	33.52	6.41	25.15
diMeCyC5	80.79	116.87	66.48	82.27	19.88	43.00	6.90	25.92
diMeCyC5	126.61	157.66	105.60	114.33	34.67	69.17	12.49	46.51
n-Heptane	348.55	700.73	228.18	482.87	36.81	146.55	9.02	31.50
MecyC6	1373.78	1495.54	1089.18	1061.27	156.71	340.70	37.78	106.00
? RI= 726	0.00	0.00	0.00	0.00	13.48	33.30	3.11	9.75
2,5-diMeC6	18.97	47.91	13.56	34.43	2.19	10.98	0.00	0.00
2,4-diMeC6	77.93	132.76	57.18	91.43	10.01	33.00	2.54	5.65
triMeCyC5	43.00	79.78	32.46	54.39	6.67	20.87	1.78	5.56
triMeCyC5	40.04	65.40	31.20	45.53	7.95	21.15	2.50	7.75
triMeCyC5	12.66	24.03	0.00	14.99	0.00	5.03	0.00	0.00
Toluene	121.45	78.70	123.00	64.57	23.97	49.87	7.23	31.28
triMeCyC5	24.94	50.16	18.00	34.41	2.61	11.45	0.00	0.00
3Et2MeC5	13.09	27.07	0.00	16.78	0.00	5.77	0.00	0.00
2-MeC7	115.19	225.04	85.56	178.30	13.35	59.40	3.12	9.42
4-MeC7	33.40	73.45	23.64	55.28	3.23	18.08	0.00	0.00
3,4-diMeC6	12.71	29.93	0.00	19.63	0.00	6.47	0.00	0.00
3-MeC7	76.59	163.98	56.40	127.60	7.61	41.30	1.65	4.88
diMeCyC6	148.97	224.11	112.74	152.43	15.16	51.13	3.24	8.92
diMeCyC6	71.48	108.26	55.98	76.46	7.20	24.52	1.49	4.09
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	71.33	91.37	57.06	62.78	7.39	19.98	0.00	0.00
diMeCyC6	33.02	49.25	24.78	32.41	4.20	12.80	0.00	0.00
? RI= 797	15.86	19.58	13.20	12.93	0.00	4.67	0.00	0.00
n-Octane	225.37	368.53	164.82	292.41	20.45	93.87	4.27	14.67
SUM:	37195.6	16682.2	29747.2	11769.6	45026.5	8368.4	78046.6	28302.8

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS

microliters gas per kg dry sediment

IKU-NR GRIDNR	373061 1920m H	373062 1920m O	373071 1930m H	373072 1930m O	373081 1940m H	373082 1940m O	373091 1950m H	373092 1950m O
COMPOUND								
Methane	73341.26	1220.24	4526.58	404.43	2896.68	584.49	2807.89	833.68
Ethene	0.00	55.32	0.00	35.96	18.68	39.81	17.04	35.99
Ethane	20092.71	3751.32	3189.02	1003.43	1815.92	726.15	1313.95	577.81
Propene	0.00	16.71	3.60	15.04	12.73	24.40	12.26	23.70
Propane	8871.86	7669.15	1927.60	2829.68	1107.80	2131.90	919.34	1723.47
? RI= 321	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Butane	1356.95	2106.53	372.91	863.41	198.46	755.33	193.94	624.84
Butene	0.00	0.00	0.00	7.42	5.54	17.08	5.65	17.94
n-Butane	2293.37	5198.87	572.60	2322.78	342.43	1892.57	316.57	1593.48
neo-C5	10.77	18.18	3.12	8.13	0.00	16.15	4.55	15.93
? RI= 423	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Pentane	484.76	1452.29	148.57	774.53	87.99	688.00	92.32	583.70
? RI= 488	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Pentane	363.27	1365.77	119.67	870.47	76.63	728.69	74.17	615.32
? RI= 508	0.00	0.00	0.00	0.00	0.00	3.90	0.00	0.00
? RI= 519	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
neoC6?	5.64	15.66	2.42	10.90	0.00	10.55	1.63	9.13
cyclo-C5	30.31	75.39	11.47	45.69	6.69	38.59	5.43	31.04
2,3-diMeC4	17.17	56.77	7.09	40.65	3.94	36.35	4.49	31.25
2-MeC5	66.16	268.50	27.94	212.24	16.74	182.13	18.08	154.43
3-MeC5	41.20	154.66	17.78	122.17	10.30	104.30	11.12	88.04
n-Hexane	52.70	217.56	27.24	204.16	16.95	173.92	16.68	143.61
neo-C7	0.00	3.95	0.00	4.33	0.00	3.92	0.00	3.36
MeCyC5	66.86	209.95	29.38	152.90	16.30	128.12	15.78	105.18
2,4-diMeC5	2.71	9.97	1.58	10.26	0.00	9.20	0.00	7.73
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	28.99	85.42	15.66	58.40	8.60	49.80	4.65	36.21
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	79.91	209.13	43.41	165.02	23.16	141.75	21.58	117.69
2-MeC6	8.85	33.28	5.82	37.52	3.29	32.97	3.60	27.62
2,3-diMeC5	6.32	21.07	3.63	21.26	1.86	17.87	2.10	15.36
? RI= 672	5.72	15.28	3.20	13.63	0.00	11.39	1.59	9.89
3-MeC6	11.12	41.86	7.12	44.21	3.91	37.88	4.25	32.01
diMeCyC5	9.56	37.03	4.55	29.31	2.44	22.80	2.54	19.41
diMeCyC5	10.24	38.59	5.12	31.37	2.68	24.63	2.87	20.97
diMeCyC5	18.50	68.64	8.87	52.75	4.46	40.89	4.89	35.13
n-Heptane	13.02	53.55	10.06	58.91	5.18	52.37	5.54	43.17
MecyC6	52.16	167.56	46.77	171.78	23.57	143.24	24.94	131.69
? RI= 726	0.00	16.52	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-diMeC6	4.40	13.11	3.04	12.48	0.00	10.14	0.00	8.57
triMeCyC5	2.50	9.63	1.47	8.11	0.00	6.44	0.00	5.82
triMeCyC5	3.00	14.21	1.56	10.67	0.00	8.03	0.00	7.19
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	13.11	52.87	8.94	38.20	5.46	34.35	3.22	26.40
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	4.09	17.03	3.52	15.63	0.00	13.97	1.94	12.72
4-MeC7	0.00	3.55	0.00	3.69	0.00	3.49	0.00	0.00
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	0.00	8.84	2.22	9.19	0.00	8.64	1.23	7.60
diMeCyC6	4.61	15.33	4.28	15.02	1.87	12.17	2.14	11.23
diMeCyC6	0.00	6.88	2.15	7.53	0.00	6.20	0.00	5.54
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	5.22	1.60	5.06	0.00	0.00	0.00	0.00
diMeCyC6	0.00	6.49	0.00	4.74	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	6.56	24.39	6.19	22.71	2.69	21.32	3.13	19.15
SUM:	107380.4	24832.3	11177.8	10775.8	6722.9	8995.9	5921.1	7813.0

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS

microliters gas per kg dry sediment

IKU-NR GRIDNR	373101 1960m H	373102 1960m O	373111 2130m H	373112 2130m O	373121 2160m H	373122 2160m O	373131 2180m H	373132 2180m O
COMPOUND								
Methane	4215.88	1849.11	7767.23	945.72	14308.27	1346.31	10492.75	753.83
Ethene	51.90	47.78	0.00	46.83	0.00	61.72	0.00	52.00
Ethane	1284.74	435.73	4870.42	148.94	5745.15	3306.52	7742.34	888.68
Propene	30.72	35.69	14.19	18.19	4.14	30.54	0.00	23.25
Propane	986.63	1405.97	6448.17	731.17	2427.76	4037.13	4041.78	1614.49
? RI= 321	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.13
i-Butane	229.43	544.16	1920.70	402.43	407.23	816.89	632.58	304.78
Butene	11.30	29.66	9.66	9.13	0.00	16.03	0.00	12.26
n-Butane	367.67	1456.95	3282.73	1288.34	611.07	2286.65	960.31	1046.17
neo-C5	5.91	16.77	32.48	13.15	5.73	12.72	9.53	0.00
? RI= 423	1.54	4.21	0.00	0.00	0.00	0.00	0.00	0.00
i-Pentane	134.67	656.05	1255.08	857.62	197.43	824.66	274.08	313.16
? RI= 488	0.00	4.73	0.00	0.00	0.00	0.00	0.00	0.00
n-Pentane	116.22	798.61	1099.79	1137.19	145.40	971.87	187.97	446.57
? RI= 508	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 519	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
neoC6?	5.20	18.21	42.43	51.74	7.63	34.28	10.29	15.74
cyclo-C5	7.36	37.91	86.50	49.43	17.62	66.38	20.09	29.65
2,3-diMeC4	10.82	53.20	76.30	108.89	12.91	72.09	16.27	27.39
2-MeC5	51.74	301.67	310.02	553.32	44.66	319.27	53.12	132.71
3-MeC5	30.07	170.21	194.42	328.74	29.23	198.25	35.15	81.23
n-Hexane	62.19	371.11	411.39	873.58	51.16	428.64	49.66	197.58
neo-C7	2.78	9.75	11.60	33.81	2.16	17.60	2.58	7.55
MeCyC5	28.81	177.10	324.85	360.60	53.49	281.11	57.99	122.10
2,4-diMeC5	5.03	20.82	21.23	62.11	3.56	31.21	3.79	13.85
triMeC4	0.00	3.02	0.00	10.91	0.00	6.31	0.00	0.00
Benzene	6.78	56.70	74.97	52.02	26.11	160.37	20.70	80.20
3,3-diMeC5	1.51	5.29	7.11	19.34	0.00	11.42	0.00	4.58
CyC6	36.62	198.29	463.09	480.75	86.59	397.28	93.21	177.42
2-MeC6	21.27	86.92	86.93	290.91	13.72	125.02	12.44	62.54
2,3-diMeC5	8.44	38.46	35.20	104.91	6.34	53.31	7.10	26.66
? RI= 672	4.72	22.20	32.33	60.89	6.47	38.57	8.10	17.81
3-MeC6	22.36	96.67	95.23	306.91	15.33	136.14	14.34	68.69
diMeCyC5	6.99	43.57	42.68	90.23	7.05	49.86	7.64	24.52
diMeCyC5	8.19	48.26	47.35	106.45	7.99	57.87	8.70	28.99
diMeCyC5	11.97	75.00	69.12	148.89	12.43	85.99	14.00	42.23
n-Heptane	40.34	159.32	188.85	657.42	24.78	232.77	18.92	128.94
MecyC6	73.75	360.49	570.60	1138.53	101.88	652.66	107.89	341.27
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	2.00	5.86	6.29	34.47	0.00	16.21	0.00	10.74
2,4-diMeC6	5.80	25.37	31.11	96.30	5.29	47.64	4.91	28.58
triMeCyC5	3.67	15.79	14.80	56.49	3.20	29.15	3.22	18.54
triMeCyC5	2.72	16.34	9.59	36.94	1.97	20.22	2.26	13.27
triMeCyC5	0.00	0.00	0.00	5.08	0.00	0.00	0.00	0.00
Toluene	4.96	65.07	89.23	127.53	17.26	165.99	12.58	93.50
triMeCyC5	1.52	5.60	6.50	27.81	0.00	14.06	0.00	9.84
3Et2MeC5	0.00	0.00	0.00	8.13	0.00	4.41	0.00	0.00
2-MeC7	11.09	37.07	45.23	206.42	8.22	88.83	6.90	66.92
4-MeC7	3.50	10.52	14.33	68.30	2.34	28.54	0.00	21.22
3,4-diMeC6	0.00	0.00	0.00	13.98	0.00	6.67	0.00	0.00
3-MeC7	8.48	24.99	35.71	166.89	6.40	70.73	4.60	51.69
diMeCyC6	10.32	37.52	56.08	180.62	10.77	89.08	10.26	59.68
diMeCyC6	5.12	18.90	28.24	91.66	5.20	44.46	4.90	28.91
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	2.77	11.24	15.55	43.98	3.31	24.11	3.45	15.65
diMeCyC6	1.62	9.25	0.00	27.85	0.00	13.16	0.00	9.34
? RI= 797	0.00	0.00	0.00	7.51	0.00	4.21	0.00	0.00
n-Octane	20.59	61.11	98.39	411.43	15.89	154.79	12.75	121.74
SUM:	7967.7	9984.2	30344.7	13100.5	24463.1	17989.7	24969.4	7641.6

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS

microliters gas per kg dry sediment

IKU-NR GRIDNR	373141 2210m H	373142 2210m O	373151 2240m H	373152 2240m O	373161 2270m H	373162 2270m O	373171 2300m H	373172 2300m O
COMPOUND								
Methane	20160.59	793.92	46684.64	670.91	54105.61	502.08	101308.55	7463.89
Ethene	0.00	69.17	0.00	63.24	0.00	47.49	0.00	89.65
Ethane	11150.18	1205.94	22003.51	920.53	16416.00	654.82	18436.98	16173.85
Propene	6.23	27.96	0.00	24.25	16.77	18.75	0.00	27.48
Propane	7730.61	2435.09	15572.18	2148.69	10177.22	1563.29	5442.82	13945.98
? RI= 321	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Butane	1640.04	668.19	3407.17	563.70	2437.64	450.67	554.24	1814.80
Butene	0.00	13.41	0.00	11.28	0.00	0.00	0.00	0.00
n-Butane	2590.76	2034.49	5669.94	1920.59	3674.23	1405.99	912.06	4388.88
neo-C5	25.11	14.88	59.59	11.73	37.43	8.33	0.00	15.58
? RI= 423	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Pentane	888.95	910.64	2192.49	898.85	1599.27	707.28	211.52	1007.39
? RI= 488	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Pentane	680.84	1101.41	1727.82	1208.70	1133.79	888.59	162.85	945.06
? RI= 508	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 519	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
neoC6?	33.58	48.57	81.86	43.95	53.89	29.23	6.04	24.24
cyclo-C5	68.28	58.88	153.13	63.50	109.72	47.98	19.12	72.16
2,3-diMeC4	58.85	96.84	145.45	97.18	107.94	70.88	11.78	51.86
2-MeC5	204.41	438.47	534.51	472.94	446.86	365.16	41.36	206.32
3-MeC5	133.96	263.60	341.45	280.20	279.52	215.64	26.44	123.54
n-Hexane	230.17	599.83	620.65	703.90	439.05	513.24	42.76	208.82
neo-C7	9.01	28.73	22.39	26.57	18.97	18.20	0.00	8.25
MeCyC5	235.32	319.84	560.65	352.12	427.31	268.26	45.82	177.74
2,4-diMeC5	15.85	49.28	39.74	47.95	37.75	35.89	0.00	15.17
triMeC4	3.96	9.34	9.32	8.68	0.00	0.00	0.00	0.00
Benzene	98.32	85.05	188.57	99.39	112.94	51.49	34.59	126.16
3,3-diMeC5	6.03	17.03	15.05	16.09	11.19	10.36	0.00	0.00
CyC6	378.66	461.58	850.19	489.78	628.80	369.20	72.80	249.82
2-MeC6	57.54	207.10	145.95	209.08	140.94	155.94	11.25	46.36
2,3-diMeC5	27.37	83.88	66.07	84.21	63.96	64.88	5.95	23.77
? RI= 672	28.70	54.99	65.45	55.75	52.61	41.88	5.96	20.05
3-MeC6	65.61	221.13	164.69	226.61	162.94	169.53	12.65	50.35
diMeCyC5	32.89	70.66	78.15	76.02	69.07	60.34	6.25	22.57
diMeCyC5	36.77	83.48	87.07	88.52	77.64	69.91	7.12	25.62
diMeCyC5	57.43	122.13	133.74	128.12	117.22	102.55	11.72	40.56
n-Heptane	110.50	403.81	285.67	432.01	245.34	320.39	18.68	70.74
MeCyC6	479.42	930.79	1065.30	996.78	841.26	723.88	84.93	261.09
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	4.61	27.50	11.31	25.15	14.80	16.79	0.00	5.25
2,4-diMeC6	23.80	73.72	54.82	74.31	53.28	53.49	0.00	16.46
triMeCyC5	12.96	47.16	29.67	45.88	33.74	35.03	0.00	11.18
triMeCyC5	9.59	31.16	21.34	30.70	24.74	25.66	0.00	8.68
triMeCyC5	0.00	4.35	0.00	4.40	0.00	0.00	0.00	0.00
Toluene	78.68	110.11	162.86	142.77	99.52	74.25	17.74	66.39
triMeCyC5	5.18	22.65	12.05	21.78	14.06	14.79	0.00	0.00
3Et2MeC5	0.00	7.41	0.00	6.89	0.00	0.00	0.00	0.00
2-MeC7	33.58	158.99	78.21	148.24	84.63	102.90	7.78	26.97
4-MeC7	10.60	51.09	24.10	48.35	28.89	32.02	0.00	7.35
3,4-diMeC6	0.00	11.53	0.00	10.81	0.00	0.00	0.00	0.00
3-MeC7	25.98	124.06	60.24	117.09	70.53	76.56	5.41	17.92
diMeCyC6	48.35	140.73	103.88	143.48	106.05	103.52	10.06	27.38
diMeCyC6	24.12	69.23	51.42	71.56	52.93	51.63	0.00	12.56
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	14.40	36.62	30.08	37.44	26.15	25.97	0.00	7.97
diMeCyC6	7.04	20.83	15.05	20.69	0.00	16.38	0.00	0.00
? RI= 797	0.00	5.82	0.00	5.78	0.00	0.00	0.00	0.00
n-Octane	72.15	283.03	161.74	271.61	154.49	181.87	14.82	41.05
SUM:	47616.9	15156.0	103789.1	14668.7	94806.7	10763.0	127550.0	47946.9

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS

microliters gas per kg dry sediment

IKU-NR GRIDNR	373181 2300m H	373182 2300m O	373191 2330m H	373192 2330m O	373201 2360m H	373202 2360m O	373211 2390m H	373212 2390m O
COMPOUND								
Methane	53972.36	1205.31	10379.66	712.95	5050.09	419.19	13154.33	511.81
Ethene	0.00	25.70	251.11	22.08	59.95	21.53	0.00	14.44
Ethane	12124.09	2998.24	5306.06	190.65	2984.48	153.74	3726.58	436.22
Propene	0.00	9.18	0.00	0.00	0.00	11.56	0.00	0.00
Propane	3911.84	3261.59	2797.43	478.57	2283.33	444.35	3280.73	414.99
? RI= 321	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Butane	385.28	365.76	309.50	69.85	306.55	56.06	445.12	41.68
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	647.38	1150.32	484.47	247.94	445.68	222.19	729.93	185.22
neo-C5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 423	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Pentane	151.42	246.43	130.44	65.66	102.57	45.58	177.35	39.18
? RI= 488	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Pentane	111.25	288.81	86.83	85.95	61.21	61.38	127.70	63.42
? RI= 508	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 519	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
neoC6?	0.00	5.19	0.00	0.00	0.00	0.00	0.00	0.00
cyclo-C5	15.77	25.97	13.07	6.73	8.23	4.69	15.93	3.71
2,3-diMeC4	8.80	14.80	7.92	4.64	4.89	2.93	0.00	0.00
2-MeC5	32.72	70.13	30.81	24.64	15.48	14.56	34.99	17.14
3-MeC5	20.87	43.01	19.63	14.82	10.04	8.83	22.25	10.29
n-Hexane	33.92	82.76	31.64	31.82	13.03	20.69	39.35	27.84
neo-C7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MeCyC5	35.30	72.81	32.34	25.32	18.09	15.29	41.10	14.77
2,4-diMeC5	0.00	6.34	0.00	0.00	0.00	0.00	0.00	0.00
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	43.53	70.30	35.87	23.36	12.70	16.37	36.00	11.37
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	59.22	100.32	55.74	35.24	30.63	24.52	67.96	22.17
2-MeC6	10.75	29.23	10.79	14.15	0.00	6.19	10.73	9.44
2,3-diMeC5	0.00	12.87	0.00	0.00	0.00	0.00	0.00	3.54
? RI= 672	0.00	7.62	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC6	11.47	31.86	11.40	15.55	3.61	6.77	11.42	10.14
diMeCyC5	0.00	13.88	0.00	6.41	0.00	0.00	0.00	3.47
diMeCyC5	0.00	15.81	0.00	7.40	0.00	0.00	0.00	4.11
diMeCyC5	8.85	24.87	0.00	11.31	0.00	4.86	0.00	5.55
n-Heptane	18.89	53.61	21.18	35.48	5.86	15.62	21.82	22.44
MecyC6	69.75	153.61	72.14	76.90	35.41	49.89	87.19	54.22
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-diMeC6	0.00	12.75	0.00	0.00	0.00	0.00	0.00	4.17
triMeCyC5	0.00	9.63	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	8.23	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	25.07	47.76	23.19	31.07	8.87	22.19	32.02	15.81
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	7.15	32.23	0.00	22.73	0.00	8.39	0.00	11.28
4-MeC7	0.00	9.59	0.00	0.00	0.00	0.00	0.00	3.29
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	0.00	22.95	0.00	16.19	0.00	6.14	0.00	8.50
diMeCyC6	8.21	27.53	0.00	18.71	0.00	9.66	10.46	10.34
diMeCyC6	0.00	12.16	0.00	8.32	0.00	0.00	0.00	4.89
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	14.87	52.24	19.90	49.00	5.53	19.71	20.55	24.26
SUM:	71728.8	10621.4	20131.1	2353.5	11466.2	1693.1	22093.5	2009.7

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS

microliters gas per kg dry sediment

IKU-NR GRIDNR	373221 2420m H	373222 2420m O	373231 2450m H	373232 2450m O	373241 2480m H	373242 2480m O	373251 2510m H	373252 2510m O
COMPOUND								
Methane	4779.51	372.49	15917.14	370.74	13656.54	687.47	22833.39	565.61
Ethene	0.00	14.07	89.75	20.34	0.00	14.71	0.00	14.06
Ethane	3167.64	178.17	7042.39	522.75	5804.98	238.07	8611.39	1248.97
Propene	0.00	0.00	0.00	7.64	0.00	0.00	0.00	0.00
Propane	2685.32	503.89	4843.57	1124.06	3488.31	489.65	4240.22	1946.80
? RI= 321	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Butane	347.18	60.33	596.68	116.89	287.39	30.10	291.18	104.93
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	520.86	242.42	788.89	413.50	417.06	137.27	408.80	441.51
neo-C5	0.00	0.00	7.25	0.00	0.00	0.00	0.00	0.00
? RI= 423	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Pentane	140.58	58.08	211.41	89.22	78.94	18.23	51.51	45.27
? RI= 488	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Pentane	82.36	80.76	127.97	108.52	41.97	26.59	27.71	59.89
? RI= 508	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 519	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
neoC6?	0.00	0.00	5.79	0.00	0.00	0.00	0.00	0.00
cyclo-C5	11.32	5.21	12.94	6.94	6.18	0.00	4.48	3.95
2,3-diMeC4	7.26	4.11	13.45	8.49	0.00	0.00	0.00	0.00
2-MeC5	25.54	23.93	48.98	38.94	14.15	7.41	5.72	10.57
3-MeC5	16.46	14.28	29.94	23.05	9.09	4.15	0.00	6.20
n-Hexane	20.86	33.89	39.03	43.21	9.96	10.25	4.48	10.91
neo-C7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MeCyC5	29.14	21.52	35.53	27.07	13.51	5.46	6.16	8.13
2,4-diMeC5	0.00	0.00	3.23	5.43	0.00	0.00	0.00	0.00
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	20.23	16.43	15.17	11.17	13.26	7.39	10.57	12.13
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	52.88	33.58	66.03	46.73	28.91	9.57	17.69	15.28
2-MeC6	6.33	14.72	12.47	24.42	0.00	9.50	0.00	3.68
2,3-diMeC5	0.00	5.40	7.16	12.10	0.00	3.45	0.00	0.00
? RI= 672	0.00	0.00	5.91	6.07	0.00	0.00	0.00	0.00
3-MeC6	7.01	15.66	14.02	26.82	4.56	10.08	0.00	4.08
diMeCyC5	0.00	5.14	7.02	8.47	0.00	0.00	0.00	0.00
diMeCyC5	4.28	6.06	7.82	10.61	0.00	0.00	0.00	0.00
diMeCyC5	6.52	8.38	12.30	15.95	0.00	3.53	0.00	0.00
n-Heptane	10.66	37.36	20.92	47.81	6.12	24.26	0.00	5.74
MecyC6	60.91	80.37	92.70	111.86	42.42	31.75	24.73	33.50
? RI= 726	0.00	0.00	0.00	11.70	0.00	3.54	0.00	0.00
2,5-diMeC6	0.00	3.13	0.00	4.64	0.00	0.00	0.00	0.00
2,4-diMeC6	0.00	7.46	0.00	10.88	0.00	4.72	0.00	0.00
triMeCyC5	0.00	5.07	0.00	10.11	0.00	4.11	0.00	0.00
triMeCyC5	0.00	3.13	0.00	7.52	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	14.68	26.21	8.04	10.05	7.35	7.49	4.79	6.11
triMeCyC5	0.00	0.00	0.00	4.29	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	0.00	25.26	8.23	34.61	0.00	19.86	0.00	0.00
4-MeC7	0.00	7.64	0.00	9.22	0.00	5.46	0.00	0.00
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	0.00	18.24	4.97	19.99	0.00	12.60	0.00	0.00
diMeCyC6	6.23	19.62	10.77	29.43	5.26	14.23	0.00	5.72
diMeCyC6	0.00	8.92	5.03	12.97	0.00	6.07	0.00	0.00
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	6.09	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	4.43	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	9.50	55.47	15.58	53.90	6.85	34.99	0.00	7.31
SUM:	12033.3	2016.4	30128.1	3478.6	23942.8	1882.0	36542.8	4560.4

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS

microliters gas per kg dry sediment

IKU-NR GRIDNR	373261 2540m H	373262 2540m O	373271 2570m H	373272 2570m O	373281 2600m H	373282 2600m O	373291 2630m H	373292 2630m O
COMPOUND								
Methane	15471.55	1001.13	17941.64	870.98	4647.07	1200.52	8109.50	1047.73
Ethene	0.00	21.91	0.00	20.29	0.00	28.24	0.00	23.41
Ethane	3981.44	891.08	5198.76	2022.13	2653.69	927.15	3822.92	712.04
Propene	0.00	10.07	0.00	9.36	0.00	14.07	3.46	11.67
Propane	1652.89	1060.05	2602.92	3078.42	2078.47	1885.66	2448.43	1309.04
? RI= 321	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Butane	112.25	62.96	168.57	205.10	162.85	120.03	182.87	87.27
Butene	0.00	5.62	0.00	0.00	0.00	7.41	0.00	6.29
n-Butane	175.72	275.80	319.09	891.65	353.04	634.40	379.54	435.84
neo-C5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 423	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Pentane	28.41	34.35	37.92	102.06	49.16	75.17	52.49	54.71
? RI= 488	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Pentane	20.61	60.14	37.88	192.91	55.29	154.63	54.61	108.11
? RI= 508	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 519	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
neoC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
cyclo-C5	2.45	3.62	4.82	9.44	4.76	8.05	4.11	5.95
2,3-diMeC4	0.00	0.00	0.00	4.80	2.37	0.00	2.44	0.00
2-MeC5	5.50	9.99	6.28	26.77	8.91	23.32	8.40	14.89
3-MeC5	3.41	5.84	3.95	15.16	5.64	14.15	5.28	8.84
n-Hexane	5.61	16.33	7.96	44.17	12.51	44.49	10.81	29.47
neo-C7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MeCyC5	4.86	8.90	6.44	18.26	8.35	19.09	7.37	12.91
2,4-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	3.92	8.92	6.74	10.97	5.18	11.44	2.82	10.37
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	12.01	16.41	19.50	43.05	23.88	44.75	19.80	30.95
2-MeC6	0.00	0.00	0.00	4.39	0.00	8.55	1.57	3.42
2,3-diMeC5	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00
? RI= 672	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC6	0.00	3.46	0.00	4.76	2.24	9.20	1.70	3.73
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	3.10	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	5.47	2.22	6.84	1.98	3.73
n-Heptane	3.86	8.28	3.89	12.91	5.54	21.67	3.88	10.92
MeCyC6	16.72	33.30	22.69	62.87	32.87	86.77	26.29	53.82
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	2.06	6.16	3.34	7.06	3.19	9.23	1.70	8.27
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	0.00	0.00	0.00	0.00	0.00	7.41	0.00	0.00
4-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	0.00	0.00	0.00	0.00	0.00	5.31	0.00	0.00
diMeCyC6	2.27	5.76	3.04	7.40	4.36	14.09	3.27	7.34
diMeCyC6	0.00	0.00	0.00	0.00	0.00	5.63	0.00	0.00
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	4.63	7.97	3.86	6.91	5.25	16.41	3.28	7.46
SUM:	21510.2	3558.0	26399.3	7683.4	10126.8	5403.7	15158.5	4008.2

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS

microliters gas per kg dry sediment

IKU-NR GRIDNR	373301 2660m H	373302 2660m O	373311 2690m H	373312 2690m O	373331 2720m H	373332 2720m O	373321 2750m H	373322 2750m O
COMPOUND								
Methane	9002.31	526.33	15514.56	781.92	8914.91	409.08	400.94	322.45
Ethene	0.00	20.07	0.00	31.54	0.00	9.75	0.00	0.00
Ethane	4791.31	489.85	5096.29	1066.33	4609.01	573.87	379.74	25.02
Propene	0.00	10.77	2.80	17.83	0.00	0.00	0.00	0.00
Propane	2693.81	884.70	2698.91	1141.99	2281.76	705.32	1119.22	155.80
? RI= 321	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Butane	158.33	39.67	220.84	79.04	153.45	34.34	120.48	34.05
Butene	0.00	5.89	0.00	9.85	0.00	0.00	0.00	0.00
n-Butane	316.34	219.67	364.17	266.70	267.01	166.73	365.18	132.74
neo-C5	0.00	0.00	4.89	0.00	0.00	0.00	0.00	0.00
? RI= 423	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Pentane	44.90	22.92	69.73	55.29	39.66	20.18	63.33	39.65
? RI= 488	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Pentane	41.89	48.06	55.45	67.18	33.53	34.52	89.75	60.35
? RI= 508	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 519	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
neoC6?	0.00	0.00	2.34	3.72	0.00	0.00	0.00	0.00
cyclo-C5	3.73	0.00	3.26	3.47	2.72	0.00	0.00	0.00
2,3-diMeC4	0.00	0.00	4.94	8.45	2.39	0.00	0.00	0.00
2-MeC5	8.03	7.51	16.00	34.29	6.32	6.01	15.44	13.59
3-MeC5	5.17	4.33	9.03	18.04	4.13	3.70	8.53	7.56
n-Hexane	9.37	14.48	13.41	41.22	7.20	10.21	26.48	22.99
neo-C7	0.00	0.00	0.00	3.04	0.00	0.00	0.00	0.00
MeCyC5	6.48	5.23	7.63	12.23	4.68	4.05	10.57	8.77
2,4-diMeC5	0.00	0.00	0.00	6.11	0.00	0.00	0.00	0.00
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	5.35	6.62	2.78	5.05	4.76	4.90	9.95	5.78
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	22.27	13.02	23.49	37.65	17.62	12.60	18.55	15.10
2-MeC6	0.00	2.97	3.32	25.50	0.00	0.00	0.00	3.70
2,3-diMeC5	0.00	0.00	2.41	12.63	0.00	0.00	0.00	0.00
? RI= 672	0.00	0.00	1.33	3.76	0.00	0.00	0.00	0.00
3-MeC6	0.00	3.26	4.07	28.69	0.00	2.68	0.00	3.92
diMeCyC5	0.00	0.00	1.57	5.13	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	1.86	6.89	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	3.50	11.56	0.00	0.00	0.00	0.00
n-Heptane	4.74	9.00	5.81	70.20	3.51	6.56	12.07	11.30
MecyC6	33.23	30.80	34.91	98.98	23.16	26.00	27.78	23.87
? RI= 726	0.00	0.00	0.00	10.31	0.00	0.00	0.00	0.00
2,5-diMeC6	0.00	0.00	0.00	4.86	0.00	0.00	0.00	0.00
2,4-diMeC6	0.00	0.00	0.00	9.53	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	9.17	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	6.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.00	5.77	1.45	3.82	2.31	4.05	8.03	7.56
triMeCyC5	0.00	0.00	0.00	4.54	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	0.00	3.52	2.86	44.75	0.00	3.35	0.00	0.00
4-MeC7	0.00	0.00	0.00	13.41	0.00	0.00	0.00	0.00
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	0.00	0.00	1.47	19.61	0.00	0.00	0.00	0.00
diMeCyC6	4.66	6.27	4.00	25.58	2.79	4.32	0.00	0.00
diMeCyC6	0.00	0.00	1.71	9.99	0.00	0.00	0.00	0.00
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	3.99	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	3.44	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	5.33	8.02	4.14	61.92	4.23	6.63	0.00	7.62
SUM:	17157.3	2388.7	24184.9	4185.2	16385.2	2048.9	2678.1	901.8

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS

microliters gas per kg dry sediment

IKU-NR GRIDNR	373341 2780m H	373342 2780m O	373351 2810m H	373352 2810m O	373361 2840m H	373362 2840m O	373371 2870m H	373372 2870m O
COMPOUND								
Methane	3995.43	544.98	4994.57	416.22	6736.13	563.17	5432.68	910.94
Ethene	40.06	13.58	62.55	13.03	68.60	23.91	57.38	16.97
Ethane	1977.70	151.75	3467.35	81.50	3967.76	328.90	2579.73	143.17
Propene	21.55	7.42	60.07	8.12	56.37	17.55	52.14	10.67
Propane	1973.81	377.60	4756.67	396.59	4606.23	1203.27	3977.09	725.64
? RI= 321	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Butane	276.83	52.77	526.61	47.55	534.21	159.71	504.02	146.53
Butene	9.98	0.00	28.16	5.19	21.58	9.71	26.71	8.51
n-Butane	486.36	206.65	1110.60	237.43	984.79	574.69	1229.24	681.62
neo-C5	5.37	0.00	0.00	0.00	17.31	5.56	13.33	6.81
? RI= 423	0.00	0.00	0.00	0.00	0.00	0.00	7.15	0.00
i-Pentane	153.24	66.37	287.24	63.30	288.87	201.46	269.44	191.68
? RI= 488	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Pentane	113.01	82.79	243.02	89.38	207.40	206.61	229.83	223.51
? RI= 508	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 519	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
neoC6?	6.49	3.38	11.73	3.13	13.29	13.71	9.34	8.67
cyclo-C5	7.41	4.27	16.27	3.45	11.35	7.63	15.15	8.42
2,3-diMeC4	11.17	7.21	19.49	6.41	21.72	24.86	16.60	16.97
2-MeC5	34.84	28.36	60.75	27.46	65.82	88.58	48.01	55.22
3-MeC5	22.05	17.71	40.84	17.44	43.59	56.31	32.32	35.05
n-Hexane	37.94	41.93	74.91	38.08	64.07	94.72	59.66	64.37
neo-C7	0.00	0.00	0.00	0.00	4.89	10.55	0.00	4.95
MeCyC5	27.29	22.62	56.00	19.24	45.16	47.98	65.01	50.08
2,4-diMeC5	2.90	3.42	0.00	3.17	5.99	14.26	0.00	5.58
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	8.90	6.74	32.86	10.10	28.78	18.86	24.20	12.21
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	5.13	0.00	0.00
CyC6	64.58	52.28	172.49	51.68	134.36	126.52	153.31	106.50
2-MeC6	9.80	14.35	16.91	11.90	19.14	44.17	13.78	19.40
2,3-diMeC5	4.05	5.17	0.00	4.65	9.84	20.54	5.38	6.20
? RI= 672	0.00	0.00	0.00	0.00	7.14	10.74	0.00	4.38
3-MeC6	10.15	14.61	17.96	12.38	21.27	46.62	14.44	15.81
diMeCyC5	3.49	3.98	0.00	0.00	6.80	10.46	5.75	5.29
diMeCyC5	4.06	4.87	0.00	3.80	8.35	14.18	6.69	6.28
diMeCyC5	6.45	7.23	10.88	5.74	13.43	21.78	10.76	9.92
n-Heptane	19.73	37.71	33.23	22.66	31.08	78.29	23.58	20.71
MeCyC6	81.87	97.58	176.19	88.99	164.43	234.12	155.79	123.65
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.00	0.00	0.00	0.00	0.00	12.07	0.00	0.00
2,4-diMeC6	3.44	6.27	0.00	4.78	7.05	21.76	0.00	4.20
triMeCyC5	0.00	3.15	0.00	0.00	4.92	13.94	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	6.66	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	7.90	9.84	21.08	11.77	20.40	19.49	17.20	10.23
triMeCyC5	0.00	0.00	0.00	0.00	0.00	7.78	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	5.53	14.37	9.09	8.95	13.49	59.10	6.58	4.92
4-MeC7	0.00	4.70	0.00	3.21	0.00	18.20	0.00	0.00
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	3.59	0.00	0.00
3-MeC7	4.88	12.05	9.03	8.69	11.04	44.30	7.20	5.42
diMeCyC6	7.17	12.18	11.57	7.69	14.75	31.47	8.71	6.19
diMeCyC6	3.18	5.32	0.00	3.58	7.50	15.25	0.00	3.15
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	4.97	8.18	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	13.07	36.87	22.66	18.98	25.18	97.60	13.53	8.48
SUM:	9461.7	1982.1	16350.8	1756.2	18319.1	4643.9	15091.7	3684.3

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS

microliters gas per kg dry sediment

IKU-NR GRIDNR	373381 2900m H	373382 2900m O	373391 2930m H	373392 2930m O	373401 2960m H	373402 2960m O	373411 2990m H	373412 2990m O
COMPOUND								
Methane	9878.65	1249.58	1165.99	600.48	5096.15	1725.06	4057.44	1097.09
Ethene	0.00	19.84	11.53	15.81	84.03	72.89	70.15	32.90
Ethane	3971.86	230.08	530.48	43.33	1912.10	165.02	1297.98	125.34
Propene	22.13	7.79	8.10	0.00	64.66	0.00	26.05	0.00
Propane	5309.01	748.69	1106.27	155.09	4344.07	381.72	2560.11	527.95
? RI= 321	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Butane	735.79	113.50	212.00	52.72	795.21	92.99	449.34	122.67
Butene	11.93	0.00	6.67	0.00	36.38	0.00	14.93	0.00
n-Butane	1611.96	565.81	539.08	242.52	2050.87	506.04	1212.42	628.48
neo-C5	8.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 423	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Pentane	364.08	139.30	153.09	114.21	518.88	171.06	282.75	199.04
? RI= 488	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Pentane	319.56	223.03	152.17	179.71	606.89	337.32	349.26	370.24
? RI= 508	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 519	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
neoC6?	8.38	3.76	2.98	3.52	10.01	0.00	4.50	0.00
cyclo-C5	16.61	8.31	7.67	5.20	27.63	0.00	17.78	12.47
2,3-diMeC4	20.02	11.96	8.95	12.62	30.84	0.00	16.31	19.54
2-MeC5	61.37	50.08	32.83	60.48	114.86	95.58	62.88	90.65
3-MeC5	39.60	30.69	20.64	35.60	72.33	57.10	39.79	55.56
n-Hexane	83.62	93.27	52.54	127.40	223.27	263.32	112.89	210.99
neo-C7	0.00	0.00	0.00	2.89	0.00	0.00	0.00	0.00
MeCyC5	84.65	62.60	46.22	58.04	132.32	92.38	71.56	84.02
2,4-diMeC5	4.37	4.50	0.00	6.33	7.84	0.00	4.34	7.64
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	16.30	11.44	8.74	4.28	27.68	22.57	21.32	19.68
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	166.93	113.77	83.48	94.99	276.85	198.94	150.86	175.28
2-MeC6	13.67	17.61	8.19	27.39	32.79	63.02	17.35	39.40
2,3-diMeC5	5.87	6.78	3.01	8.81	10.70	0.00	6.28	13.22
? RI= 672	5.81	4.82	2.77	5.34	10.87	0.00	6.60	11.20
3-MeC6	14.38	18.40	8.29	27.15	33.13	62.04	17.91	39.92
diMeCyC5	9.13	9.64	5.30	11.27	16.07	0.00	10.22	19.24
diMeCyC5	9.70	10.52	5.65	12.37	17.71	21.71	11.07	21.17
diMeCyC5	16.34	16.91	9.11	19.38	29.63	37.74	18.20	34.34
n-Heptane	31.18	46.10	23.95	92.45	106.81	283.17	46.38	134.74
MeCyC6	209.29	226.52	119.69	232.10	392.36	571.16	238.07	456.54
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-diMeC6	7.15	8.49	2.94	10.64	7.97	22.45	4.95	15.99
triMeCyC5	0.00	3.92	0.00	4.99	0.00	0.00	0.00	9.57
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	11.26	14.12	10.42	9.90	25.29	50.94	18.66	39.97
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	5.96	8.94	3.57	14.59	15.64	56.36	8.76	24.55
4-MeC7	0.00	0.00	0.00	4.91	0.00	0.00	0.00	8.13
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	5.20	8.20	3.06	12.81	14.94	52.54	7.96	22.75
diMeCyC6	19.01	26.71	10.35	30.14	33.09	87.94	24.54	62.58
diMeCyC6	8.73	12.03	4.99	14.16	16.59	42.55	12.40	31.84
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	3.96	0.00	4.19	0.00	0.00	0.00	9.75
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	19.06	28.10	14.42	56.05	60.94	272.32	29.35	98.64
SUM:	23126.6	4159.8	4385.2	2413.9	17257.4	5805.9	11301.4	4873.1

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS

microliters gas per kg dry sediment

IKU-NR GRIDNR	373421 3020m H	373422 3020m O	373431 3050m H	373432 3050m O	373441 3080m H	373442 3080m O	373451 3110m H	373452 3110m O
COMPOUND								
Methane	1484.37	1104.63	5694.10	3098.10	2896.78	2630.27	3587.95	4641.00
Ethane	21.24	25.89	55.17	109.50	32.89	118.83	37.99	162.94
Ethane	1045.88	82.65	1592.75	1280.25	1252.07	194.96	870.99	507.50
Propene	20.26	0.00	37.02	0.00	27.78	47.53	35.59	45.78
Propane	2130.07	170.19	2349.61	945.00	2177.91	195.10	1867.21	194.88
? RI= 321	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Butane	296.31	32.80	360.22	68.40	302.02	40.13	638.29	61.18
Butene	12.34	0.00	19.55	0.00	15.87	0.00	23.07	0.00
n-Butane	888.64	229.14	1041.01	489.00	983.37	225.13	1278.74	180.18
neo-C5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 423	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Pentane	208.54	77.35	281.52	120.45	228.34	87.52	579.69	169.96
? RI= 488	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Pentane	243.45	154.40	358.37	281.25	334.48	163.08	760.88	318.92
? RI= 508	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 519	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
neoC6?	0.00	0.00	0.00	0.00	0.00	0.00	25.06	0.00
cyclo-C5	13.82	0.00	21.12	0.00	18.76	0.00	27.51	0.00
2,3-diMeC4	12.66	9.05	18.26	0.00	13.89	0.00	58.37	39.20
2-MeC5	46.20	44.25	80.90	76.80	59.65	45.25	288.38	250.88
3-MeC5	29.45	27.20	48.76	45.00	36.79	28.03	166.55	139.72
n-Hexane	84.19	105.22	184.49	235.50	137.34	123.10	530.69	573.30
neo-C7	0.00	0.00	0.00	0.00	0.00	0.00	25.17	36.82
MeCyC5	53.98	39.71	101.74	74.85	61.88	57.49	149.63	86.24
2,4-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	38.05	57.96
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	18.20	7.49	35.17	24.30	31.20	0.00	42.38	0.00
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	11.65	0.00
CyC6	120.44	83.58	185.79	133.20	154.56	114.84	282.41	159.74
2-MeC6	13.46	23.41	29.16	46.80	19.92	25.47	131.72	240.80
2,3-diMeC5	0.00	7.33	9.16	0.00	0.00	0.00	51.34	85.26
? RI= 672	0.00	0.00	0.00	0.00	0.00	0.00	15.22	0.00
3-MeC6	13.75	23.41	28.82	46.20	20.40	26.18	128.50	229.32
diMeCyC5	6.73	8.63	15.56	0.00	10.71	0.00	18.91	21.84
diMeCyC5	7.53	9.94	16.74	0.00	11.67	0.00	25.99	33.60
diMeCyC5	12.34	15.83	26.57	32.25	18.81	0.00	33.49	42.28
n-Heptane	38.68	78.95	129.21	234.75	69.01	111.28	389.72	802.34
MeCyC6	176.23	222.48	325.84	450.30	241.60	297.71	381.58	502.32
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	23.89	56.84
2,4-diMeC6	0.00	8.13	0.00	0.00	0.00	0.00	47.36	104.30
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	23.18	51.80
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	15.34	14.32	40.45	39.30	27.49	29.03	64.98	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	16.10	47.88
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	6.62	15.54	18.15	42.00	11.96	23.62	101.22	245.84
4-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	33.43	81.20
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	6.08	14.57	15.84	37.05	11.19	0.00	92.50	222.04
diMeCyC6	16.75	30.36	40.84	83.10	28.55	49.24	29.97	63.56
diMeCyC6	8.07	14.74	20.34	40.05	14.08	23.91	15.10	30.80
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	10.19	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	24.64	61.98	94.72	234.00	43.84	112.71	255.13	630.00
SUM:	7076.2	2743.2	13277.0	8267.4	9314.8	4770.4	13215.8	11117.8

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS

microliters gas per kg dry sediment

IKU-NR GRIDNR	373461 3140m H	373462 3140m O	373471 3170m H	373472 3170m O	373481 3200m H	373482 3200m O	373491 3230m H	373492 3230m O
COMPOUND								
Methane	3044.12	2183.62	3031.37	589.99	4301.48	1089.99	2636.43	1400.52
Ethene	22.54	26.66	30.17	22.55	50.96	44.09	0.00	62.82
Ethane	553.59	1559.43	1533.74	62.39	2395.30	76.93	896.65	134.52
Propene	7.20	0.00	20.14	9.69	0.00	0.00	0.00	26.04
Propane	518.14	857.81	2716.08	185.89	3295.13	86.68	1333.70	74.70
? RI= 321	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Butane	89.16	81.53	506.19	27.90	348.52	0.00	180.09	0.00
Butene	0.00	0.00	11.85	5.29	0.00	0.00	0.00	0.00
n-Butane	226.99	388.93	1029.17	162.95	758.96	39.54	348.86	38.82
neo-C5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 423	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Pentane	77.15	144.10	331.10	58.42	227.13	0.00	153.33	15.24
? RI= 488	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Pentane	98.70	227.51	308.74	94.13	168.78	16.16	113.05	22.08
? RI= 508	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 519	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
neoC6?	0.00	6.26	14.03	3.82	0.00	0.00	0.00	0.00
cyclo-C5	3.53	6.65	14.68	0.00	0.00	0.00	0.00	0.00
2,3-diMeC4	6.26	16.04	26.93	8.84	21.30	0.00	17.84	0.00
2-MeC5	32.15	80.89	74.81	31.97	54.09	0.00	58.23	12.42
3-MeC5	18.80	46.04	51.11	20.53	38.52	0.00	39.08	0.00
n-Hexane	51.67	161.22	110.64	65.38	64.61	14.15	84.28	25.98
neo-C7	0.00	6.72	0.00	4.28	0.00	0.00	0.00	0.00
MeCyC5	17.57	40.98	72.54	23.91	62.52	0.00	47.00	0.00
2,4-diMeC5	3.69	9.98	6.87	5.33	0.00	0.00	0.00	0.00
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	8.28	10.11	30.04	7.27	42.09	0.00	39.19	0.00
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	31.12	67.96	178.41	55.88	191.83	18.62	129.88	18.72
2-MeC6	16.17	37.01	25.39	23.75	22.43	0.00	46.50	19.38
2,3-diMeC5	5.05	12.16	10.63	8.08	0.00	0.00	0.00	0.00
? RI= 672	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC6	15.46	34.83	26.61	23.94	24.09	0.00	47.20	19.20
diMeCyC5	0.00	5.85	7.36	4.13	0.00	0.00	0.00	0.00
diMeCyC5	0.00	7.55	9.46	5.91	0.00	0.00	0.00	0.00
diMeCyC5	3.72	9.75	13.99	8.24	0.00	0.00	0.00	0.00
n-Heptane	32.22	94.49	46.50	65.90	42.17	28.07	101.82	56.28
MeCyC6	47.36	108.10	200.53	115.34	210.17	45.43	146.22	48.42
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.00	5.47	0.00	4.85	0.00	0.00	0.00	0.00
2,4-diMeC6	5.25	10.52	7.60	9.48	0.00	0.00	0.00	0.00
triMeCyC5	0.00	4.72	0.00	4.52	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	7.57	11.81	15.57	8.90	15.57	0.00	18.54	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	9.84	18.63	10.96	21.50	0.00	11.84	35.38	26.64
4-MeC7	0.00	6.26	0.00	7.91	0.00	0.00	0.00	10.38
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	9.38	16.76	12.50	21.62	0.00	0.00	40.09	29.40
diMeCyC6	4.47	9.11	14.23	13.07	19.04	0.00	0.00	0.00
diMeCyC6	0.00	4.41	7.04	6.24	0.00	0.00	0.00	0.00
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	19.40	41.34	26.77	63.86	39.22	62.78	107.03	103.62
SUM:	4986.5	6361.2	10533.8	1863.6	12393.9	1534.3	6620.4	2145.2

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS

microliters gas per kg dry sediment

IKU-NR GRIDNR	373501 3260m H	373502 3260m O	373511 3290m H	373512 3290m O	373521 3320m H	373522 3320m O	373531 3350m H	373532 3350m O
COMPOUND								
Methane	2231.99	984.49	1973.61	640.35	3353.75	1138.11	2546.46	2018.45
Ethane	28.15	30.31	0.00	18.76	44.30	46.36	0.00	105.06
Ethane	627.18	104.92	561.30	67.46	758.96	69.87	614.64	243.92
Propene	12.98	12.61	0.00	8.71	0.00	0.00	0.00	0.00
Propane	787.33	137.35	566.89	136.94	1304.38	56.06	921.86	144.73
? RI= 321	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Butane	105.75	14.75	85.86	18.60	326.38	0.00	158.29	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	191.36	65.07	142.25	64.14	616.36	56.64	313.56	76.02
neo-C5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 423	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Pentane	75.92	21.22	69.29	26.65	406.60	29.90	131.71	0.00
? RI= 488	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Pentane	50.41	29.18	36.95	26.26	306.41	47.17	95.96	42.53
? RI= 508	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 519	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
neoC6?	7.96	0.00	9.62	3.24	61.64	0.00	0.00	0.00
cyclo-C5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-diMeC4	8.31	0.00	7.45	3.51	73.73	0.00	17.82	0.00
2-MeC5	21.90	13.47	18.01	12.61	224.05	36.66	54.88	0.00
3-MeC5	15.04	8.79	12.64	8.28	143.75	21.75	36.25	0.00
n-Hexane	24.09	26.92	13.47	15.83	223.32	55.18	47.53	32.37
neo-C7	0.00	0.00	0.00	0.00	39.21	0.00	0.00	0.00
MeCyC5	19.55	10.10	20.20	10.79	111.78	15.50	32.83	0.00
2,4-diMeC5	0.00	0.00	0.00	0.00	41.75	0.00	0.00	0.00
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	15.94	9.15	16.31	8.67	43.23	0.00	18.93	0.00
3,3-diMeC5	0.00	0.00	0.00	0.00	16.68	0.00	0.00	0.00
CyC6	57.17	26.38	54.31	23.97	200.71	26.89	68.27	0.00
2-MeC6	11.92	16.42	8.07	9.16	149.18	44.30	36.35	0.00
2,3-diMeC5	0.00	0.00	0.00	0.00	52.85	12.78	0.00	0.00
? RI= 672	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC6	12.53	16.28	8.39	9.33	148.93	42.98	36.85	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	18.90	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	17.51	0.00	0.00	0.00
n-Heptane	18.33	44.26	7.85	14.45	181.48	71.56	35.14	28.57
MeCyC6	51.70	46.32	42.06	29.42	238.11	65.17	88.01	33.01
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.00	0.00	0.00	0.00	24.25	0.00	0.00	0.00
2,4-diMeC6	0.00	0.00	0.00	0.00	35.59	12.71	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	5.51	6.62	0.00	3.96	19.97	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	6.89	18.45	0.00	5.43	78.49	34.53	21.85	0.00
4-MeC7	0.00	7.12	0.00	0.00	32.96	13.59	0.00	0.00
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	8.02	20.24	0.00	5.99	90.90	38.57	23.66	0.00
diMeCyC6	0.00	5.72	0.00	0.00	15.95	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	15.36	61.76	6.01	10.21	118.11	66.42	28.30	45.23
SUM:	4411.3	1737.9	3660.5	1182.7	9520.2	2002.7	5329.2	2769.9

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS

microliters gas per kg dry sediment

IKU-NR GRIDNR	373541 3380m H	373542 3380m O	373551 3410m H	373552 3410m O	373561 3440m H	373562 3440m O	373571 3470m H	373572 3470m O
COMPOUND								
Methane	13339.70	2112.29	61891.32	1279.93	13584.93	602.21	5412.01	566.21
Ethene	96.13	64.96	0.00	22.03	0.00	12.02	0.00	16.69
Ethane	3576.79	1036.37	7933.18	2838.94	1968.75	583.08	1855.55	242.31
Propene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.85
Propane	1988.34	662.46	1004.80	857.21	314.65	237.26	463.11	130.48
? RI= 321	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Butane	210.35	38.29	63.80	48.36	19.90	9.71	23.59	9.91
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	351.46	185.12	101.72	131.72	23.69	44.41	38.02	31.32
neo-C5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 423	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Pentane	128.10	33.02	36.23	47.30	7.55	7.79	10.40	10.46
? RI= 488	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Pentane	69.36	49.12	19.38	31.76	0.00	9.75	0.00	11.86
? RI= 508	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 519	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
neoC6?	22.00	0.00	0.00	6.19	0.00	0.00	0.00	0.00
cyclo-C5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-diMeC4	18.53	0.00	0.00	6.99	0.00	0.00	0.00	0.00
2-MeC5	37.39	15.03	9.83	18.88	0.00	3.16	0.00	4.38
3-MeC5	26.88	0.00	0.00	12.39	0.00	0.00	0.00	0.00
n-Hexane	26.44	23.44	0.00	12.85	0.00	3.67	0.00	3.67
neo-C7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MeCyC5	46.06	15.12	11.86	17.95	0.00	3.28	0.00	4.55
2,4-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	34.46	29.97	12.42	27.76	7.18	3.83	12.82	8.55
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	102.31	27.65	24.28	32.26	11.49	7.57	17.64	9.84
2-MeC6	24.39	0.00	0.00	10.20	0.00	0.00	0.00	0.00
2,3-diMeC5	0.00	0.00	0.00	5.66	0.00	0.00	0.00	0.00
? RI= 672	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC6	26.12	0.00	0.00	10.37	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Heptane	18.86	22.19	0.00	9.01	0.00	0.00	0.00	0.00
MeCyC6	156.38	58.43	34.77	50.84	9.16	10.41	15.07	15.55
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-diMeC6	0.00	0.00	0.00	5.86	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.00	16.02	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	0.00	0.00	0.00	7.19	0.00	0.00	0.00	0.00
4-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	21.35	15.21	0.00	7.12	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	21.13	25.41	0.00	9.21	0.00	0.00	0.00	0.00
SUM:	20342.5	4430.1	71143.6	5508.0	15947.3	1538.1	7848.2	1074.6

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS

microliters gas per kg dry sediment

IKU-NR GRIDNR	373581 3500m H	373582 3500m O	373591 3530m H	373592 3530m O	373601 3560m H	373602 3560m O	373611 3590m H	373612 3590m O
COMPOUND								
Methane	2067.02	362.18	4222.38	372.18	53501.50	439.29	79270.03	1018.44
Ethene	0.00	12.11	46.12	15.63	0.00	14.48	0.00	16.02
Ethane	831.57	154.39	1443.18	50.70	14659.81	1065.05	14873.71	2472.97
Propene	0.00	0.00	0.00	0.00	19.05	7.43	8.07	6.61
Propane	181.32	91.60	759.48	141.21	3038.15	572.91	2403.65	874.33
? RI= 321	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Butane	13.12	0.00	124.41	19.34	289.38	40.03	195.36	53.68
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	10.22	11.73	133.88	52.97	333.44	96.39	188.52	139.39
neo-C5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 423	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Pentane	0.00	0.00	52.37	18.93	84.77	23.55	45.05	29.09
? RI= 488	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Pentane	0.00	0.00	18.68	18.66	37.33	17.32	16.63	20.63
? RI= 508	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 519	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
neoC6?	0.00	0.00	0.00	0.00	7.65	0.00	3.78	0.00
cyclo-C5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-diMeC4	0.00	0.00	0.00	0.00	0.00	0.00	3.09	0.00
2-MeC5	0.00	0.00	0.00	10.21	11.79	7.54	5.59	6.88
3-MeC5	0.00	0.00	0.00	6.12	7.99	4.76	3.84	4.37
n-Hexane	0.00	0.00	0.00	15.22	7.04	6.58	3.14	4.99
neo-C7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MeCyC5	0.00	0.00	16.89	7.26	13.44	5.82	4.90	5.74
2,4-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	6.10	7.83	22.70	11.16	8.64	6.35	3.09	4.63
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	3.25	3.25	41.92	14.68	25.92	11.35	10.30	9.99
2-MeC6	0.00	0.00	0.00	7.23	0.00	3.78	0.00	0.00
2,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 672	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC6	0.00	0.00	0.00	6.99	0.00	3.76	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Heptane	0.00	0.00	0.00	12.49	0.00	3.49	0.00	0.00
MeCyC6	2.43	4.25	53.44	22.10	37.46	15.68	16.96	15.79
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	0.00	0.00	0.00	4.85	0.00	0.00	0.00	0.00
4-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	0.00	0.00	0.00	4.93	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	0.00	0.00	0.00	7.31	0.00	0.00	0.00	0.00
SUM:	3115.0	647.3	6935.4	820.2	72083.4	2346.4	97055.7	4683.5

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS

microliters gas per kg dry sediment

IKU-NR GRIDNR	373621 3620m H	373622 3620m O	373631 3650m H	373632 3650m O	373641 3680m H	373642 3680m O	373651 3700m H	373652 3700m O
COMPOUND								
Methane	10776.20	546.78	72084.38	1446.46	41728.95	530.68	27977.20	682.17
Ethene	0.00	16.04	0.00	22.59	0.00	15.25	0.00	16.93
Ethane	2091.89	443.79	14199.16	3840.77	8706.63	1171.33	5195.32	1646.05
Propene	6.62	7.04	0.00	8.03	13.99	7.92	9.77	7.21
Propane	615.93	317.95	3359.44	1659.03	2189.00	623.79	1357.98	877.03
? RI= 321	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Butane	82.30	34.65	494.23	134.28	305.19	56.19	285.19	102.07
Butene	0.00	0.00	0.00	0.00	0.00	0.00	8.29	0.00
n-Butane	96.08	86.76	433.72	289.42	312.68	138.82	224.13	189.22
neo-C5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 423	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Pentane	48.49	32.01	182.45	77.24	136.13	45.76	117.06	66.23
? RI= 488	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Pentane	20.87	25.12	67.30	47.23	55.24	33.94	37.73	36.29
? RI= 508	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 519	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
neoC6?	4.11	0.00	14.30	4.86	9.95	3.50	8.51	4.50
cyclo-C5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-diMeC4	5.47	3.51	16.96	6.91	14.42	5.30	10.64	6.74
2-MeC5	13.94	13.31	34.65	19.85	31.48	17.09	22.76	18.54
3-MeC5	9.47	8.32	23.50	12.78	21.50	10.91	15.22	11.85
n-Hexane	9.76	12.63	20.06	12.64	19.09	15.31	8.20	11.54
neo-C7	0.00	0.00	0.00	0.00	5.00	0.00	0.00	2.91
MeCyC5	10.78	9.34	26.03	14.40	22.06	11.89	15.00	11.14
2,4-diMeC5	0.00	0.00	0.00	0.00	5.45	2.97	0.00	2.84
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	4.99	9.40	11.93	12.99	7.71	9.77	8.23	7.58
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	21.08	16.23	52.96	25.21	44.11	22.07	28.89	20.31
2-MeC6	7.24	7.89	14.91	7.13	14.27	9.41	7.21	6.91
2,3-diMeC5	3.21	0.00	7.68	3.79	7.16	4.11	0.00	3.73
? RI= 672	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC6	7.32	7.93	15.24	7.44	14.65	9.48	8.20	7.02
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	4.87	0.00	0.00	0.00
diMeCyC5	2.78	0.00	7.93	0.00	7.36	2.92	0.00	2.86
n-Heptane	6.62	8.02	11.16	4.59	10.83	8.99	0.00	4.61
MeCyC6	34.12	24.71	96.23	38.56	83.17	39.55	47.78	32.89
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-diMeC6	0.00	0.00	0.00	0.00	5.70	3.26	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.00	0.00	0.00	3.65	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	4.36	3.91	8.87	0.00	7.56	4.31	0.00	0.00
4-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	4.71	4.42	10.34	0.00	8.74	5.03	0.00	0.00
diMeCyC6	3.71	0.00	10.83	0.00	9.37	3.95	4.79	0.00
diMeCyC6	0.00	0.00	0.00	0.00	4.82	0.00	0.00	0.00
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	6.22	4.61	12.01	0.00	10.22	5.23	0.00	0.00
SUM:	13898.3	1644.4	91216.3	7699.8	53817.3	2818.3	35398.1	3779.2

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS

microliters gas per kg dry sediment

IKU-NR GRIDNR	373661 3720m H	373662 3720m O	373671 3740m H	373672 3740m O	373681 3760m H	373682 3760m O	373691 3780m H	373692 3780m O
COMPOUND								
Methane	15306.31	1488.12	32389.09	2522.45	63260.56	7941.10	317242.00	42698.56
Ethene	0.00	21.48	0.00	22.37	0.00	0.00	0.00	0.00
Ethane	2523.22	2397.69	4937.47	4160.12	5398.67	7956.70	28039.27	43533.41
Propene	0.00	6.61	0.00	5.74	0.00	0.00	0.00	0.00
Propene	818.89	1249.61	809.77	1444.90	561.12	1853.56	2165.25	6380.49
? RI= 321	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Butane	185.74	185.14	111.78	117.65	55.47	133.53	141.47	429.80
Butene	1.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	137.70	311.45	87.26	228.91	42.66	239.25	127.53	426.96
neo-C5	3.12	0.00	2.79	0.00	0.00	0.00	0.00	0.00
? RI= 423	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Pentane	62.64	117.42	37.26	59.35	15.02	57.56	27.65	80.03
? RI= 488	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Pentane	20.63	70.05	12.36	35.46	4.95	28.06	11.65	23.93
? RI= 508	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 519	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
neoC6?	3.42	6.88	2.98	3.51	1.96	3.16	0.00	3.46
cyclo-C5	0.95	3.23	0.00	0.00	0.00	0.00	0.00	0.00
2,3-diMeC4	5.02	11.72	3.36	5.08	1.46	3.84	0.00	0.00
2-MeC5	10.41	34.25	6.09	14.42	2.57	9.45	0.00	3.72
3-MeC5	6.80	21.48	4.19	9.23	1.74	6.20	0.00	0.00
n-Hexane	5.32	28.14	3.26	10.08	1.43	4.85	0.00	0.00
neo-C7	1.19	3.87	1.03	0.00	0.00	0.00	0.00	0.00
MeCyC5	5.47	20.97	4.19	9.38	1.49	6.52	0.00	4.27
2,4-diMeC5	1.30	4.37	0.00	0.00	0.00	0.00	0.00	0.00
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	1.84	12.74	1.65	9.40	1.09	6.22	0.00	4.62
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	10.24	37.43	9.66	18.88	3.73	12.08	9.67	10.42
2-MeC6	3.06	13.66	2.02	5.35	1.04	0.00	0.00	0.00
2,3-diMeC5	1.49	5.93	1.17	2.81	0.00	0.00	0.00	0.00
? RI= 672	1.36	3.81	0.96	0.00	0.00	0.00	0.00	0.00
3-MeC6	3.03	13.49	2.09	5.40	0.00	0.00	0.00	0.00
diMeCyC5	0.95	3.31	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	1.20	4.34	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	1.92	6.34	1.44	0.00	0.00	0.00	0.00	0.00
n-Heptane	1.95	14.34	1.08	3.98	0.00	0.00	0.00	0.00
MeCyC6	17.50	67.67	15.21	27.79	5.48	14.17	16.76	5.44
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-diMeC6	0.92	4.01	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.90	5.98	0.00	3.68	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	1.00	5.24	0.00	0.00	0.00	0.00	0.00	0.00
4-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	1.11	5.64	0.98	0.00	0.00	0.00	0.00	0.00
diMeCyC6	1.85	6.38	1.50	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.94	3.20	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	1.31	8.00	1.05	0.00	0.00	0.00	0.00	0.00
SUM:	19152.4	6204.0	38451.7	8725.9	69360.4	18276.2	347781.3	93605.1

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS

microliters gas per kg dry sediment

IKU-NR GRIDNR	373701 3800m H	373702 3800m O	373711 3820m H	373712 3820m O	373721 3840m H	373722 3840m O	373731 3860m H	373732 3860m O
COMPOUND								
Methane	161267.36	20573.28	153687.77	57711.38	27855.46	4888.56	50788.07	26983.12
Ethane	0.00	0.00	0.00	0.00	0.00	35.59	0.00	0.00
Ethane	15976.32	21820.49	17250.26	57243.28	3472.02	11007.86	6295.21	32569.31
Propene	0.00	6.57	0.00	0.00	0.00	0.00	2.20	7.30
Propane	1701.50	4385.61	1763.53	8816.17	427.18	2724.63	835.99	5834.46
? RI= 321	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Butane	196.30	327.53	151.41	587.59	50.59	235.97	90.67	441.18
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	142.95	444.71	129.88	601.79	37.08	310.71	85.48	467.60
neo-C5	5.80	0.00	0.00	0.00	1.22	0.00	0.00	0.00
? RI= 423	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Pentane	63.01	107.97	36.47	106.39	14.13	81.40	27.06	94.16
? RI= 488	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Pentane	18.92	41.51	13.94	38.16	4.22	32.73	10.24	33.26
? RI= 508	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 519	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
neoC6?	9.59	7.20	4.80	5.04	1.66	5.07	2.10	4.45
cyclo-C5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-diMeC4	7.05	7.18	3.17	0.00	1.28	5.11	2.06	3.64
2-MeC5	12.98	13.73	6.30	6.65	2.32	10.47	4.30	6.43
3-MeC5	8.88	9.23	4.16	4.48	1.63	6.92	2.89	4.28
n-Hexane	5.96	6.63	3.50	0.00	1.03	5.25	2.18	3.24
neo-C7	3.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MeCyC5	5.62	9.33	2.86	5.50	1.46	6.62	2.63	5.35
2,4-diMeC5	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	3.54	8.77	2.16	5.92	0.83	4.83	1.14	5.78
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	13.49	20.56	6.57	13.10	3.48	14.23	6.00	12.28
2-MeC6	5.90	0.00	2.57	0.00	0.92	0.00	1.48	0.00
2,3-diMeC5	2.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 672	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC6	6.04	0.00	2.68	0.00	0.95	0.00	1.55	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Heptane	3.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MecyC6	22.04	21.62	11.50	9.61	5.51	14.07	10.15	8.89
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.00	3.11	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	2.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	3.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	1.09	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	2.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUM:	179494.0	47815.0	173083.5	125155.1	31882.9	19390.0	58172.5	66484.7

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS

microliters gas per kg dry sediment

IKU-NR GRIDNR	373741 3880m H	373742 3880m O	373751 3900m H	373752 3900m O	373761 3920m H	373762 3920m O	373771 3940m H	373772 3940m O
COMPOUND								
Methane	65616.95	81066.72	50833.75	26729.86	29877.26	5333.34	36869.20	4352.70
Ethene	0.00	0.00	0.00	0.00	0.00	41.41	0.00	41.56
Ethane	6530.60	94468.63	5871.90	34881.99	5015.52	12062.89	5304.64	11556.61
Propene	0.00	0.00	0.00	7.17	0.00	9.39	0.00	8.92
Propane	665.29	16577.79	582.29	6208.98	961.82	3906.71	813.57	3817.09
? RI= 321	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Butane	68.20	1154.26	55.74	504.58	169.51	403.57	129.46	434.49
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	44.10	1128.80	39.49	461.06	112.68	466.59	99.85	490.10
neo-C5	1.47	0.00	0.00	5.84	6.03	6.11	4.03	6.65
? RI= 423	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Pentane	12.51	196.99	11.45	102.85	47.55	127.20	40.24	148.23
? RI= 488	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Pentane	3.84	63.78	3.90	32.01	14.68	46.07	13.21	49.72
? RI= 508	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 519	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
neoC6?	1.28	0.00	1.28	6.15	9.21	11.10	6.42	12.98
cyclo-C5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-diMeC4	0.84	0.00	0.00	4.36	3.74	7.18	3.17	8.70
2-MeC5	1.49	0.00	1.65	7.42	7.76	15.47	6.29	17.76
3-MeC5	0.99	0.00	0.00	4.99	5.05	9.98	4.24	11.42
n-Hexane	0.00	0.00	0.00	3.41	3.61	7.98	3.10	8.59
neo-C7	0.00	0.00	0.00	0.00	2.52	0.00	0.00	0.00
MeCyC5	0.92	0.00	0.00	5.63	2.62	8.00	3.28	8.57
2,4-diMeC5	0.00	0.00	0.00	0.00	1.42	0.00	0.00	0.00
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.00	11.92	0.00	6.34	1.30	7.87	0.00	6.02
3,3-diMeC5	0.00	0.00	0.00	0.00	1.32	0.00	0.00	0.00
CyC6	2.04	21.62	2.82	13.33	5.93	16.79	7.29	17.20
2-MeC6	0.00	0.00	0.00	0.00	2.98	3.00	2.10	0.00
2,3-diMeC5	0.00	0.00	0.00	0.00	1.56	0.00	0.00	0.00
? RI= 672	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC6	0.00	0.00	0.00	0.00	2.92	3.07	2.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Heptane	0.00	0.00	0.00	0.00	1.34	0.00	0.00	0.00
MeCyC6	2.81	11.04	4.54	9.97	8.80	15.80	10.25	14.46
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	0.00	0.00	0.00	0.00	1.49	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUM:	72953.3	194701.5	57408.8	68995.9	36268.6	22509.5	43322.3	21011.8

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS

microliters gas per kg dry sediment

IKU-NR GRIDNR	373781 3960m H	373782 3960m O	373791 3980m H	373792 3980m O	373801 4000m H	373802 4000m O	373811 4020m H	373812 4020m O
COMPOUND								
Methane	227725.55	51783.74	131503.78	61803.29	38026.80	7109.08	17351.42	5104.46
Ethene	0.00	0.00	0.00	0.00	0.00	62.41	0.00	52.10
Ethane	12410.54	28466.93	9211.33	37392.51	11161.70	4640.73	4053.87	3194.24
Propene	0.00	0.00	0.00	7.32	14.13	16.68	9.59	18.45
Propane	1022.15	4620.91	866.31	5510.75	3066.42	2152.32	1310.83	1850.52
? RI= 321	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Butane	116.00	460.06	118.76	501.10	914.47	367.00	402.60	443.89
Butene	0.00	0.00	0.00	0.00	7.26	8.20	0.00	5.42
n-Butane	72.23	400.34	66.23	445.77	650.04	596.67	370.74	647.52
neo-C5	3.74	6.21	4.13	7.55	27.76	7.87	15.65	13.27
? RI= 423	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Pentane	26.00	105.92	29.04	114.29	564.52	336.98	306.57	413.56
? RI= 488	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Pentane	7.01	33.36	6.85	34.30	160.23	170.62	110.70	210.95
? RI= 508	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 519	0.00	10.52	0.00	0.00	0.00	0.00	0.00	0.00
neoC6?	4.40	6.56	5.69	9.95	63.45	32.94	42.27	50.49
cyclo-C5	0.00	0.00	0.00	0.00	3.80	4.91	2.89	5.37
2,3-diMeC4	1.88	4.15	2.24	4.67	42.18	29.00	24.25	35.57
2-MeC5	3.90	8.36	4.13	8.63	141.48	107.24	92.37	138.79
3-MeC5	2.46	5.47	2.65	5.86	85.63	65.58	55.95	81.98
n-Hexane	1.42	4.06	1.56	3.91	72.23	73.97	45.87	89.69
neo-C7	0.00	0.00	1.30	0.00	18.95	13.05	12.85	18.09
MeCyC5	0.00	4.66	0.00	4.23	23.66	26.10	16.96	29.18
2,4-diMeC5	0.00	0.00	0.00	0.00	15.59	10.71	10.50	14.49
triMeC4	0.00	0.00	0.00	0.00	4.59	3.13	3.00	4.37
Benzene	0.00	5.33	0.00	5.93	5.25	15.20	3.65	15.34
3,3-diMeC5	0.00	0.00	0.00	0.00	9.25	6.57	7.26	9.56
CyC6	2.50	9.55	2.11	10.36	37.76	45.78	26.44	45.32
2-MeC6	1.35	0.00	1.30	0.00	55.40	38.82	37.06	46.94
2,3-diMeC5	0.00	0.00	0.00	0.00	16.81	12.90	12.02	15.92
? RI= 672	0.00	0.00	0.00	0.00	4.04	3.85	2.53	4.11
3-MeC6	1.32	0.00	1.27	0.00	51.52	36.93	35.29	44.29
diMeCyC5	0.00	0.00	0.00	0.00	3.47	3.27	2.44	3.48
diMeCyC5	0.00	0.00	0.00	0.00	7.11	6.09	4.88	6.74
diMeCyC5	0.00	0.09	0.00	0.00	6.21	6.09	4.21	6.20
n-Heptane	0.00	0.00	0.00	0.00	40.91	33.21	22.94	35.61
MeCyC6	3.82	5.89	3.37	6.11	62.57	66.33	45.77	65.40
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.00	0.00	0.00	0.00	8.21	4.52	6.12	5.71
2,4-diMeC6	0.00	0.00	0.00	0.00	10.02	6.34	7.54	7.68
triMeCyC5	0.00	0.00	0.00	0.00	4.33	3.04	3.22	3.52
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.00	0.00	0.00	0.00	3.69	7.69	3.00	8.75
triMeCyC5	0.00	0.00	0.00	0.00	2.56	0.00	1.97	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	0.00	0.00	0.00	0.00	20.87	11.06	13.14	12.06
4-MeC7	0.00	0.00	0.00	0.00	7.86	3.96	5.21	4.31
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	0.00	0.00	0.00	0.00	20.90	11.89	14.34	12.59
diMeCyC6	0.00	0.00	0.00	0.00	3.97	3.67	3.10	3.13
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	0.00	0.00	0.00	0.00	19.89	12.10	10.11	10.96
SUM:	241406.3	85942.0	141832.0	105876.5	55467.5	16173.6	24511.1	12792.0

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS

microliters gas per kg dry sediment

IKU-NR GRIDNR	373821 4040m H	373822 4040m O	373831 4060m H	373832 4060m O	373841 4080m H	373842 4080m O	373851 4100m H	373852 4100m O
COMPOUND								
Methane	20450.82	6322.83	18481.20	10942.98	18839.14	10249.58	19224.87	5187.37
Ethene	0.00	64.70	0.00	374.66	0.00	80.98	0.00	44.57
Ethane	4414.42	1841.37	3104.31	2415.62	2916.11	2199.58	3232.43	1201.17
Propene	14.93	17.60	14.58	21.39	13.08	19.06	8.90	12.45
Propane	1522.61	1174.90	1072.55	1294.44	921.99	1318.71	860.36	913.77
? RI= 321	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Butane	527.12	307.33	350.06	308.13	256.72	279.37	204.15	197.72
Butene	7.36	8.59	9.80	13.05	5.48	9.30	0.00	7.85
n-Butane	435.31	447.26	326.88	487.41	216.77	441.71	177.42	309.34
neo-C5	24.85	10.01	16.23	10.14	10.54	7.96	8.38	5.88
? RI= 423	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Pentane	294.37	265.17	199.38	254.43	112.12	188.15	83.87	123.03
? RI= 488	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Pentane	107.99	132.95	85.47	136.85	45.70	104.19	35.28	71.27
? RI= 508	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 519	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
neoC6?	40.13	30.53	26.77	30.39	15.08	20.48	11.60	12.30
cyclo-C5	3.39	3.98	2.06	3.85	0.00	3.57	0.00	0.00
2,3-diMeC4	18.48	19.27	12.19	18.09	7.00	13.64	5.04	7.98
2-MeC5	59.89	66.78	41.51	61.71	20.31	41.44	14.18	24.12
3-MeC5	36.61	39.80	24.78	36.92	12.15	25.44	8.56	14.93
n-Hexane	34.29	42.55	27.07	39.70	12.16	29.08	8.58	17.28
neo-C7	7.48	8.21	5.13	8.21	3.18	6.00	2.27	3.40
MeCyC5	13.39	16.52	8.48	15.64	4.59	15.06	3.84	10.70
2,4-diMeC5	5.65	6.07	3.67	5.66	2.21	4.29	1.48	0.00
triMeC4	2.18	0.00	1.46	0.00	0.00	0.00	0.00	0.00
Benzene	4.20	9.58	3.07	14.69	1.94	16.76	2.18	14.01
3,3-diMeC5	4.30	4.35	2.91	4.50	1.70	3.33	0.00	0.00
CyC6	22.77	28.43	13.69	27.27	7.89	27.85	6.61	20.67
2-MeC6	17.92	19.03	12.53	16.69	6.28	12.30	4.12	6.31
2,3-diMeC5	6.21	6.57	4.17	6.16	2.44	5.22	1.63	0.00
? RI= 672	1.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC6	16.97	17.90	11.55	15.79	5.88	11.94	3.81	6.23
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	2.63	2.75	1.58	0.00	0.00	0.00	0.00	0.00
diMeCyC5	2.45	2.84	1.48	0.00	0.00	0.00	0.00	0.00
n-Heptane	12.55	14.61	9.73	12.43	4.11	9.88	2.60	5.22
MecyC6	27.07	31.83	16.04	29.49	10.95	33.76	7.83	20.39
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	2.43	0.00	1.48	0.00	0.00	0.00	0.00	0.00
2,4-diMeC6	3.24	3.27	1.96	0.00	0.00	0.00	0.00	0.00
triMeCyC5	1.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	3.22	4.54	1.72	5.30	0.00	6.81	0.00	4.41
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	5.24	5.35	3.33	4.16	1.87	3.93	0.00	0.00
4-MeC7	1.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	5.55	5.25	3.39	4.29	2.07	4.29	0.00	0.00
diMeCyC6	1.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	4.42	4.73	3.01	3.71	1.59	4.31	0.00	0.00
SUM:	28169.0	10987.5	23905.3	16623.7	23461.1	15198.0	23920.0	8242.4

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS

microliters gas per kg dry sediment

IKU-NR GRIDNR	373861 4120m H	373862 4120m O	373871 4140m H	373872 4140m O	373881 4160m H	373882 4160m O	373891 4180m H	373892 4180m O
COMPOUND								
Methane	75986.43	8110.22	22885.82	2716.89	55859.64	8099.65	20500.94	7633.54
Ethane	0.00	48.48	0.00	30.25	0.00	0.00	0.00	0.00
Ethane	8789.26	10315.75	2863.30	3857.10	5475.82	7590.27	3607.58	9053.59
Propene	0.00	9.21	0.00	8.46	0.00	0.00	0.00	5.62
Propane	1205.84	2538.96	481.81	1738.84	879.92	2435.58	374.93	1562.45
? RI= 321	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Butane	202.34	327.46	95.89	316.76	138.78	383.67	46.17	251.10
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	160.49	387.04	70.75	439.86	116.61	379.42	27.56	194.89
neo-C5	6.82	6.90	3.64	7.75	3.45	7.85	0.00	6.70
? RI= 423	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Pentane	74.20	136.05	33.57	177.47	47.94	130.36	10.22	74.70
? RI= 488	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Pentane	27.58	52.20	12.68	96.29	18.49	46.95	2.69	17.66
? RI= 508	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 519	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
neoC6?	10.84	12.81	5.12	17.37	4.79	10.49	2.96	8.72
cyclo-C5	0.00	0.00	0.00	4.09	0.00	0.00	0.00	0.00
2,3-diMeC4	4.97	7.75	2.22	12.24	2.86	6.03	0.00	4.07
2-MeC5	13.72	18.34	5.88	37.89	8.40	14.82	1.60	8.03
3-MeC5	8.50	11.67	3.81	23.73	5.27	9.32	0.00	5.28
n-Hexane	7.58	9.65	3.83	28.30	4.50	8.70	0.00	3.27
neo-C7	2.67	0.00	1.13	4.72	1.24	0.00	0.00	0.00
MeCyC5	3.77	7.85	2.02	16.07	2.94	6.10	0.00	3.30
2,4-diMeC5	0.00	0.00	0.00	3.41	0.00	0.00	0.00	0.00
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.00	6.71	0.00	19.67	1.50	6.53	0.00	2.84
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	7.47	16.18	4.29	29.85	5.83	12.61	0.00	7.71
2-MeC6	5.04	3.14	2.16	10.71	2.99	2.44	0.00	0.00
2,3-diMeC5	2.05	0.00	0.00	4.32	1.20	0.00	0.00	0.00
? RI= 672	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC6	4.84	3.18	2.11	10.54	2.92	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Heptane	2.86	0.00	1.36	9.50	1.69	0.00	0.00	0.00
MeCyC6	9.96	12.56	5.35	30.78	7.52	8.70	1.63	4.97
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.00	0.00	0.00	6.28	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	1.89	0.00	0.00	0.00	1.27	0.00	0.00	0.00
4-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	2.01	0.00	0.00	0.00	1.39	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	0.00	0.00	0.00	3.14	0.00	0.00	0.00	0.00
SUM:	86541.1	22042.1	26486.7	9662.3	62596.9	19159.5	24576.3	18808.5

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS

microliters gas per kg dry sediment

IKU-NR GRIDNR	373901 4200m H	373902 4200m O	373911 4210m H	373912 4210m O	373921 4240m H	373922 4240m O	373931 4260m H	373932 4260m O
COMPOUND								
Methane	548798.19	139386.91	276430.44	9541.77	55164.80	10235.91	20298.35	2116.82
Ethane	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.49
Ethane	14776.09	24073.89	26548.21	13795.00	3830.74	7593.12	2184.81	1713.42
Propene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Propane	823.40	1577.98	2692.68	2119.23	599.31	1972.59	495.16	837.47
? RI= 321	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Butane	94.30	187.67	402.46	290.26	117.83	412.28	80.82	207.22
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	42.68	63.38	242.83	140.79	71.79	245.05	71.42	155.56
neo-C5	0.00	5.83	0.00	8.39	5.23	14.18	0.00	9.62
? RI= 423	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Pentane	13.74	19.04	105.84	57.47	33.15	119.16	19.71	87.46
? RI= 488	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Pentane	0.00	3.91	29.73	11.93	9.39	30.05	6.85	24.37
? RI= 508	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 519	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
neoC6?	5.56	0.00	20.32	8.48	7.24	17.88	4.25	12.62
cyclo-C5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-diMeC4	0.00	0.00	0.00	0.00	2.52	6.42	0.00	4.87
2-MeC5	0.00	0.00	17.18	4.83	5.57	13.88	0.00	12.12
3-MeC5	0.00	0.00	0.00	0.00	3.53	8.94	0.00	7.83
n-Hexane	0.00	0.00	0.00	0.00	1.97	6.21	0.00	5.55
neo-C7	0.00	0.00	0.00	0.00	1.80	0.00	0.00	0.00
MeCyC5	0.00	0.00	0.00	0.00	0.00	4.00	0.00	2.66
2,4-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.00	0.00	0.00	0.00	0.00	4.39	0.00	2.73
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	0.00	0.00	0.00	5.12	2.23	8.96	0.00	6.27
2-MeC6	0.00	0.00	0.00	0.00	1.99	2.78	0.00	0.00
2,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 672	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC6	0.00	0.00	0.00	0.00	1.93	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Heptane	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MeCyC6	0.00	0.00	14.86	0.00	3.46	7.25	4.62	4.66
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUM:	564553.9	165318.6	306504.6	25983.3	59864.5	20703.1	23166.0	5228.7

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS
 microliters gas per kg dry sediment

IKU-NR GRIDNR	373941 4280m H	373942 4280m O	373951 4300m H	373952 4300m O
COMPOUND				
Methane	4434.54	2343.64	3614.89	2388.91
Ethene	0.00	19.52	0.00	19.23
Ethane	441.53	1354.05	590.35	662.88
Propene	0.00	0.00	0.00	0.00
Propane	96.67	633.43	124.84	423.44
? RI= 321	0.00	0.00	0.00	0.00
i-Butane	18.20	135.84	25.83	82.61
Butene	0.00	0.00	0.00	0.00
n-Butane	12.99	125.92	14.51	100.07
neo-C5	1.53	5.32	4.65	5.07
? RI= 423	0.00	0.00	0.00	0.00
i-Pentane	4.41	58.64	5.67	41.40
? RI= 488	0.00	0.00	0.00	0.00
n-Pentane	1.36	20.65	1.45	19.67
? RI= 508	0.00	0.00	0.00	0.00
? RI= 519	0.00	0.00	0.00	0.00
neoC6?	1.06	6.82	2.18	5.74
cyclo-C5	0.00	0.00	0.00	0.00
2,3-diMeC4	0.00	3.74	0.00	3.18
2-MeC5	0.85	9.55	1.03	9.91
3-MeC5	0.00	6.10	0.00	6.10
n-Hexane	0.00	4.95	0.00	5.76
neo-C7	0.00	0.00	0.00	0.00
MeCyC5	0.00	3.02	0.00	3.44
2,4-diMeC5	0.00	0.00	0.00	0.00
triMeC4	0.00	0.00	0.00	0.00
Benzene	0.00	0.00	0.00	0.00
3,3-diMeC5	0.00	0.00	0.00	0.00
CyC6	0.00	6.92	0.00	7.39
2-MeC6	0.00	0.00	0.00	0.00
2,3-diMeC5	0.00	0.00	0.00	0.00
? RI= 672	0.00	0.00	0.00	0.00
3-MeC6	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00
n-Heptane	0.00	0.00	0.00	0.00
MecyC6	1.18	6.10	1.40	9.20
? RI= 726	0.00	0.00	0.00	0.00
2,5-diMeC6	0.00	0.00	0.00	0.00
2,4-diMeC6	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00
Toluene	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00
2-MeC7	0.00	0.00	0.00	0.00
4-MeC7	0.00	0.00	0.00	0.00
3,4-diMeC6	0.00	0.00	0.00	0.00
3-MeC7	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00
? RI= 786	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00
n-Octane	0.00	0.00	0.00	0.00
SUM:	5014.3	4744.2	4386.8	3794.0

Table 3: Composition of hydrocarbons in headspace and occluded gas.
(percent volume of listed compounds).
Compounds marked by "-1.00" were not included in the calculation,
as they occurred only in a few samples and at a trace level.

COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS

(vol percent of hydrocarbons)

IKU-NR GRIDNR	372621 1100m H	372622 1100m O	372631 1120m H	372632 1120m O	372641 1140m H	372642 1140m O	372651 1170m H	372652 1170m O
COMPOUND								
Methane	93.44	24.63	92.99	20.29	94.77	20.87	91.54	16.72
Ethene	0.00	1.97	0.00	1.62	0.00	1.35	0.00	1.21
Ethane	0.92	2.17	1.30	2.18	1.76	3.02	2.65	2.71
Propene	0.00	0.00	0.00	0.70	0.00	0.57	0.00	0.47
Propane	1.26	2.93	1.25	4.62	0.85	5.31	1.91	7.44
? RI= 321	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Butane	1.09	4.57	1.22	6.84	0.92	9.03	1.37	9.12
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	0.66	5.83	0.76	8.17	0.43	8.38	0.77	10.51
neo-C5	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00
? RI= 423	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Pentane	1.26	16.69	1.18	17.68	0.64	17.09	0.90	17.48
? RI= 488	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
n-Pentane	0.21	5.19	0.20	5.13	0.10	4.83	0.15	5.05
? RI= 508	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
? RI= 519	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
neoC6?	0.00	0.38	0.02	0.36	0.01	0.35	0.02	0.33
cyclo-C5	0.00	0.00	0.03	0.44	0.02	0.41	0.02	0.48
2,3-diMeC4	0.05	1.16	0.05	1.12	0.02	1.05	0.03	1.01
2-MeC5	0.12	4.03	0.10	3.62	0.05	3.40	0.07	3.28
3-MeC5	0.12	3.51	0.10	3.21	0.05	3.06	0.07	3.01
n-Hexane	0.00	1.52	0.03	1.28	0.01	1.19	0.02	1.15
neo-C7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MeCyC5	0.35	5.99	0.29	5.68	0.14	5.22	0.18	5.30
2,4-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	0.06	0.77	0.05	0.76	0.02	0.69	0.03	0.72
2-MeC6	0.00	0.53	0.00	0.44	0.00	0.37	0.00	0.35
2,3-diMeC5	0.00	0.59	0.00	0.49	0.00	0.43	0.00	0.41
? RI= 672	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC6	0.00	0.99	0.00	0.85	0.00	0.74	0.00	0.72
diMeCyC5	0.07	2.03	0.06	1.72	0.03	1.57	0.03	1.50
diMeCyC5	0.06	1.81	0.05	1.54	0.02	1.41	0.03	1.36
diMeCyC5	0.06	1.90	0.06	1.67	0.03	1.61	0.04	1.63
n-Heptane	0.00	0.74	0.00	0.61	0.00	0.48	0.00	0.47
MecyC6	0.27	5.35	0.22	5.24	0.10	4.59	0.12	4.37
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.00	0.78	0.02	0.64	0.00	0.55	0.01	0.54
2,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.78	0.00	0.66	0.00	0.55	0.00	0.55
triMeCyC5	0.00	0.58	0.00	0.47	0.00	0.42	0.00	0.45
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	1.39	0.03	1.05	0.01	0.77	0.02	0.81
diMeCyC6	0.00	0.69	0.00	0.52	0.00	0.39	0.00	0.38
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	0.00	0.51	0.00	0.39	0.00	0.29	0.00	0.28
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:								
ppm (vol)	3517.7	425.4	10169.4	668.8	17650.6	744.6	15907.4	811.8

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS
(vol percent of hydrocarbons)

IKU-NR GRIDNR	372661 1200m H	372662 1200m O	372671 1230m H	372672 1230m O	372681 1260m H	372682 1260m O	372691 1290m H	372692 1290m O
COMPOUND								
Methane	84.20	15.38	88.83	14.37	90.26	13.55	88.17	20.42
Ethene	0.00	1.34	0.00	1.07	0.00	1.05	0.00	1.72
Ethane	3.27	1.78	2.94	2.75	2.69	2.33	2.44	2.17
Propene	0.00	0.54	0.00	0.42	0.00	0.42	0.00	0.60
Propane	4.92	6.76	3.58	11.59	3.10	11.10	3.53	5.27
? RI= 321	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Butane	2.24	6.47	1.50	8.06	1.23	7.96	1.58	5.25
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	1.84	11.02	1.15	12.25	1.00	12.55	1.43	9.42
neo-C5	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00
? RI= 423	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Pentane	1.68	15.59	1.02	15.85	0.86	15.73	1.31	14.67
? RI= 488	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
n-Pentane	0.30	5.29	0.18	4.88	0.16	5.25	0.27	5.37
? RI= 508	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
? RI= 519	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
neoC6?	0.00	0.29	0.02	0.28	0.01	0.26	0.00	0.29
cyclo-C5	0.07	0.55	0.03	0.55	0.03	0.56	0.05	0.50
2,3-diMeC4	0.06	0.97	0.03	0.89	0.03	0.88	0.05	1.00
2-MeC5	0.13	3.38	0.07	2.90	0.06	3.07	0.12	3.71
3-MeC5	0.14	3.10	0.08	2.66	0.06	2.73	0.12	3.19
n-Hexane	0.03	1.35	0.02	1.10	0.02	1.22	0.04	1.56
neo-C7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MeCyC5	0.44	5.92	0.20	5.14	0.20	5.30	0.35	5.61
2,4-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	0.08	0.84	0.03	0.77	0.04	0.81	0.07	0.89
2-MeC6	0.00	0.45	0.00	0.34	0.00	0.37	0.00	0.54
2,3-diMeC5	0.00	0.48	0.00	0.38	0.00	0.40	0.00	0.54
? RI= 672	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC6	0.00	0.95	0.01	0.72	0.01	0.74	0.00	1.04
diMeCyC5	0.08	1.81	0.03	1.38	0.03	1.42	0.06	1.72
diMeCyC5	0.07	1.69	0.03	1.30	0.03	1.35	0.06	1.64
diMeCyC5	0.09	2.11	0.04	1.68	0.04	1.75	0.08	2.13
n-Heptane	0.00	0.67	0.00	0.50	0.00	0.57	0.00	0.81
MeCyC6	0.29	5.61	0.12	4.27	0.12	4.53	0.24	4.62
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.03	0.77	0.01	0.56	0.01	0.60	0.02	0.77
2,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.83	0.01	0.59	0.00	0.58	0.00	0.78
triMeCyC5	0.00	0.73	0.01	0.54	0.00	0.52	0.00	0.72
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.00	0.26	0.01	0.18	0.01	0.25	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.04	1.24	0.02	0.83	0.01	0.85	0.03	1.20
diMeCyC6	0.00	0.58	0.00	0.40	0.00	0.44	0.00	0.61
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.30	0.00	0.19	0.00	0.21	0.00	0.29
diMeCyC6	0.00	0.41	0.00	0.25	0.00	0.26	0.00	0.39
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	0.00	0.52	0.00	0.37	0.00	0.40	0.00	0.56
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:								
ppm (vol)	6256.4	828.2	22784.7	1211.0	19667.9	1100.2	7926.2	631.5

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS

(vol percent of hydrocarbons)

IKU-NR GRIDNR	372701 1320m H	372702 1320m O	372711 1350m H	372712 1350m O	372721 1380m H	372722 1380m O	372731 1410m H	372732 1410m O
COMPOUND								
Methane	83.92	16.13	88.01	15.63	89.48	16.15	85.68	19.74
Ethene	0.00	1.20	0.00	1.06	0.00	1.49	0.00	1.70
Ethane	3.68	2.59	3.52	3.16	3.56	3.77	4.48	4.26
Propene	0.00	0.44	0.00	0.44	0.00	0.79	0.00	0.76
Propane	4.99	10.05	3.70	12.56	3.28	13.76	4.46	14.38
? RI= 321	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Butane	2.18	8.15	1.50	9.60	1.40	10.72	2.19	11.10
Butene	0.00	0.00	0.00	0.00	0.00	0.40	0.00	0.00
n-Butane	1.80	11.68	1.20	12.48	0.93	12.67	1.29	12.94
neo-C5	0.02	0.00	0.00	0.00	0.01	0.00	0.02	0.00
? RI= 423	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Pentane	1.59	16.12	0.99	15.88	0.73	15.02	1.04	13.91
? RI= 488	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
n-Pentane	0.32	5.11	0.20	4.85	0.13	4.55	0.19	4.59
? RI= 508	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
? RI= 519	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
neoC6?	0.02	0.31	0.02	0.30	0.01	0.30	0.02	0.00
cyclo-C5	0.05	0.51	0.04	0.47	0.02	0.45	0.03	0.40
2,3-diMeC4	0.06	1.01	0.04	0.93	0.03	0.86	0.04	0.82
2-MeC5	0.15	3.42	0.09	3.09	0.06	2.74	0.08	2.65
3-MeC5	0.14	2.86	0.08	2.48	0.05	2.00	0.06	1.63
n-Hexane	0.05	1.31	0.03	1.17	0.02	1.12	0.03	1.19
neo-C7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MeCyC5	0.34	4.93	0.22	4.23	0.13	3.70	0.15	3.04
2,4-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	0.06	0.82	0.04	0.71	0.03	0.66	0.03	0.56
2-MeC6	0.00	0.42	0.00	0.35	0.00	0.30	0.00	0.30
2,3-diMeC5	0.02	0.44	0.00	0.37	0.00	0.31	0.00	0.32
? RI= 672	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC6	0.02	0.79	0.01	0.63	0.00	0.49	0.00	0.41
diMeCyC5	0.06	1.33	0.04	1.10	0.02	0.90	0.02	0.70
diMeCyC5	0.06	1.28	0.04	1.06	0.02	0.85	0.02	0.67
diMeCyC5	0.08	1.68	0.05	1.39	0.03	1.13	0.03	0.93
n-Heptane	0.02	0.58	0.00	0.49	0.00	0.49	0.00	0.54
MeCyC6	0.23	3.45	0.14	2.82	0.08	2.95	0.10	2.08
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.02	0.55	0.01	0.43	0.00	0.35	0.00	0.00
2,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.02	0.55	0.00	0.43	0.00	0.30	0.00	0.00
triMeCyC5	0.02	0.50	0.00	0.40	0.00	0.32	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.03	0.76	0.02	0.58	0.01	0.44	0.01	0.38
diMeCyC6	0.02	0.40	0.00	0.31	0.00	0.00	0.00	0.00
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.25	0.00	0.27	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	0.00	0.36	0.00	0.29	0.00	0.00	0.00	0.00
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:								
ppm (vol)	12408.5	831.1	14232.8	948.8	20418.8	777.9	16355.9	538.3

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS

(vol percent of hydrocarbons)

IKU-NR GRIDNR	372741 1440m H	372742 1440m O	372751 1470m H	372752 1470m O	372761 1490m H	372762 1490m O	372771 1510m H	372772 1510m O
COMPOUND								
Methane	91.42	47.16	87.41	16.79	87.73	17.94	93.19	21.75
Ethane	0.00	4.00	0.00	1.47	0.00	1.73	0.00	0.87
Ethane	2.92	5.48	5.29	4.92	6.82	9.79	4.33	14.62
Propene	0.00	2.40	0.00	0.61	0.00	0.88	0.00	0.00
Propane	2.58	9.03	4.15	23.67	3.52	27.47	1.62	28.32
? RI= 321	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Butane	1.36	6.00	1.82	20.53	1.24	18.46	0.59	17.38
Butene	0.00	1.33	0.00	0.00	0.00	0.42	0.00	0.00
n-Butane	0.74	8.16	0.82	15.59	0.47	12.11	0.19	10.08
neo-C5	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 423	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Pentane	0.56	7.01	0.35	9.20	0.16	5.92	0.05	3.85
? RI= 488	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
n-Pentane	0.11	3.06	0.10	3.48	0.05	2.52	0.02	2.05
? RI= 508	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
? RI= 519	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
neoC6?	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
cyclo-C5	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-diMeC4	0.02	0.00	0.00	0.41	0.00	0.28	0.00	0.00
2-MeC5	0.05	1.46	0.03	1.15	0.00	0.88	0.01	0.65
3-MeC5	0.03	0.80	0.00	0.43	0.00	0.32	0.00	0.00
n-Hexane	0.02	0.92	0.00	0.67	0.00	0.55	0.00	0.44
neo-C7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MeCyC5	0.07	1.72	0.03	0.68	0.00	0.45	0.00	0.00
2,4-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 672	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Heptane	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MeCyC6	0.04	1.48	0.00	0.41	0.00	0.27	0.00	0.00
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:								
ppm (vol)	20748.8	296.8	7841.7	601.0	11565.0	650.2	36910.2	640.2

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS

(vol percent of hydrocarbons)

IKU-NR GRIDNR	372781 1530m H	372782 1530m O	372791 1550m H	372792 1550m O	372801 1570m H	372802 1570m O	372811 1590m H	372812 1590m O
COMPOUND								
Methane	90.34	20.63	93.72	21.58	78.35	36.99	88.93	16.23
Ethene	0.00	2.44	0.00	1.32	0.00	5.42	0.00	1.74
Ethane	5.27	6.98	4.20	14.47	7.43	5.45	6.85	9.35
Propene	0.00	1.18	0.00	0.61	0.00	0.00	0.00	0.96
Propane	2.74	25.38	1.38	26.61	7.40	12.95	2.86	29.97
? RI= 321	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Butane	1.09	18.08	0.48	17.10	3.92	13.03	0.86	17.48
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49
n-Butane	0.40	13.40	0.16	10.50	1.81	11.67	0.37	13.36
nco-C5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 423	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Pentane	0.12	5.22	0.04	3.92	0.66	5.74	0.09	4.51
? RI= 488	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
n-Pentane	0.05	3.77	0.02	2.58	0.34	5.17	0.05	3.83
? RI= 508	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
? RI= 519	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
ncoC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
cyclo-C5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-diMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC5	0.00	1.18	0.00	0.74	0.09	1.80	0.00	0.88
3-MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Hexane	0.00	0.99	0.00	0.57	0.00	1.78	0.00	0.72
nco-C7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MeCyC5	0.00	0.38	0.00	0.00	0.00	0.00	0.00	0.00
2,4-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 672	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Heptane	0.00	0.38	0.00	0.00	0.00	0.00	0.00	0.00
MeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:								
ppm (vol)	8136.1	474.0	32890.6	774.1	2166.9	121.5	9045.7	616.1

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS
(vol percent of hydrocarbons)

IKU-NR GRIDNR	372821 1610m H	372822 1610m O	372831 1630m H	372832 1630m O	372841 1650m H	372842 1650m O	372851 1670m H	372852 1670m O
COMPOUND								
Methane	82.75	21.32	77.67	19.65	89.89	15.01	89.07	20.81
Ethene	0.00	1.30	0.00	0.00	0.00	0.00	0.00	0.00
Ethane	8.83	7.57	12.49	8.27	7.26	23.81	7.40	23.55
Propene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Propane	5.21	26.72	6.24	28.86	2.13	32.48	2.68	33.11
? RI= 321	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Butane	1.81	17.08	1.96	14.71	0.42	11.90	0.49	8.01
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	0.91	14.40	0.98	13.44	0.21	9.20	0.26	8.60
neo-C5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 423	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Pentane	0.24	5.03	0.35	5.54	0.04	2.78	0.04	1.64
? RI= 488	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
n-Pentane	0.17	4.34	0.20	4.69	0.03	2.73	0.04	2.59
? RI= 508	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
? RI= 519	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
neoC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
cyclo-C5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-diMeC4	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00
2-MeC5	0.03	1.01	0.05	1.32	0.00	0.59	0.00	0.44
3-MeC5	0.00	0.00	0.00	0.46	0.00	0.19	0.00	0.00
n-Hexane	0.00	0.74	0.00	1.01	0.00	0.48	0.00	0.44
neo-C7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MeCyC5	0.00	0.00	0.00	0.49	0.00	0.00	0.00	0.00
2,4-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.04	0.50	0.06	0.73	0.02	0.51	0.03	0.82
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 672	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Heptane	0.00	0.00	0.00	0.39	0.00	0.16	0.00	0.00
MecyC6	0.00	0.00	0.00	0.43	0.00	0.00	0.00	0.00
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:								
ppm (vol)	4807.2	384.8	3921.4	431.9	16417.5	1037.5	20586.7	771.2

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS

(vol percent of hydrocarbons)

IKU-NR GRIDNR	372861 1690m H	372862 1690m O	372871 1710m H	372872 1710m O	372881 1730m H	372882 1730m O	372891 1750m H	372892 1750m O
COMPOUND								
Methane	88.52	15.47	86.78	14.67	79.77	10.98	73.95	7.93
Ethene	0.00	0.91	0.00	0.00	0.00	0.00	0.00	0.46
Ethane	7.70	20.97	8.78	20.41	12.19	12.26	13.06	9.25
Propene	0.00	0.40	0.00	0.00	0.00	0.00	0.00	0.00
Propane	2.88	37.54	3.44	36.75	5.98	35.43	8.97	33.56
? RI= 321	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Butane	0.52	8.87	0.52	8.65	0.98	11.12	1.44	9.74
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	0.28	10.40	0.36	11.91	0.79	16.52	1.68	19.80
neo-C5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 423	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Pentane	0.03	1.49	0.04	1.82	0.10	3.41	0.29	5.16
? RI= 488	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
n-Pentane	0.04	2.60	0.04	3.20	0.10	5.15	0.28	7.03
? RI= 508	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
? RI= 519	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
neoC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19
cyclo-C5	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.23
2,3-diMeC4	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.31
2-MeC5	0.00	0.35	0.00	0.47	0.00	0.84	0.03	1.00
3-MeC5	0.00	0.00	0.00	0.19	0.00	0.38	0.02	0.55
n-Hexane	0.00	0.37	0.00	0.63	0.01	1.18	0.04	1.38
neo-C7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22
2,4-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.02	0.65	0.03	0.83	0.05	0.96	0.09	0.59
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	0.00	0.00	0.00	0.30	0.02	0.71	0.09	1.33
2-MeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13
2,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 672	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Heptane	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.27
MecyC6	0.00	0.00	0.00	0.00	0.00	0.25	0.02	0.47
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.00	0.00	0.00	0.17	0.00	0.30	0.03	0.26
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:								
ppm (vol)	15066.2	815.1	19087.1	916.4	12031.7	754.4	9579.1	1313.6

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS

(vol percent of hydrocarbons)

IKU-NR GRIDNR	372901 1760m H	372902 1760m O	372911 1770m H	372912 1770m O	372921 1780m H	372922 1780m O	372931 1790m H	372932 1790m O
COMPOUND								
Methane	74.70	10.78	74.51	15.88	67.52	11.37	64.79	10.22
Ethene	0.00	0.60	0.00	0.68	0.00	0.67	0.00	0.55
Ethane	12.52	12.33	10.03	8.67	10.47	3.86	10.84	2.82
Propene	0.00	0.00	0.00	0.29	0.00	0.25	0.00	0.19
Propane	8.52	32.56	8.43	20.49	10.28	12.26	10.87	9.47
? RI= 321	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Butane	1.46	7.26	2.03	4.65	2.65	4.48	2.85	3.89
Butene	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00
n-Butane	1.69	17.14	2.26	13.83	3.47	11.47	3.77	10.14
neo-C5	0.00	0.00	0.03	0.00	0.04	0.00	0.04	0.00
? RI= 423	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Pentane	0.33	4.11	0.75	4.48	1.31	5.73	1.42	5.87
? RI= 488	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
n-Pentane	0.30	6.69	0.59	7.62	1.12	8.32	1.26	8.50
? RI= 508	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
? RI= 519	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
neoC6?	0.00	0.17	0.03	0.19	0.06	0.29	0.06	0.31
cyclo-C5	0.02	0.22	0.03	0.26	0.06	0.26	0.07	0.25
2,3-diMeC4	0.02	0.31	0.05	0.47	0.10	0.71	0.11	0.78
2-MeC5	0.04	1.15	0.15	2.10	0.34	3.40	0.40	4.05
3-MeC5	0.03	0.65	0.10	1.26	0.22	2.03	0.26	2.41
n-Hexane	0.05	1.66	0.15	3.30	0.36	4.90	0.46	6.17
neo-C7	0.00	0.00	0.01	0.13	0.00	0.27	0.02	0.28
MeCyC5	0.02	0.32	0.06	0.76	0.15	1.07	0.19	1.26
2,4-diMeC5	0.00	0.00	0.01	0.22	0.03	0.50	0.04	0.55
triMeC4	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.08
Benzene	0.10	0.77	0.07	0.77	0.06	0.47	0.13	0.33
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.15	0.01	0.16
CyC6	0.12	1.43	0.23	2.41	0.48	2.90	0.56	3.04
2-MeC6	0.00	0.16	0.03	0.76	0.09	1.76	0.11	2.12
2,3-diMeC5	0.00	0.00	0.02	0.44	0.05	0.88	0.06	0.98
? RI= 672	0.00	0.00	0.02	0.28	0.05	0.47	0.06	0.52
3-MeC6	0.00	0.17	0.03	0.84	0.10	1.89	0.13	2.27
diMeCyC5	0.00	0.00	0.01	0.17	0.03	0.32	0.03	0.41
diMeCyC5	0.00	0.00	0.01	0.25	0.04	0.49	0.05	0.60
diMeCyC5	0.00	0.00	0.02	0.31	0.05	0.59	0.06	0.73
n-Heptane	0.00	0.32	0.04	1.43	0.13	3.19	0.19	4.08
MeCyC6	0.04	0.88	0.20	3.65	0.52	5.30	0.63	6.16
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.56	0.00	0.66
2,5-diMeC6	0.00	0.00	0.00	0.00	0.00	0.36	0.01	0.38
2,4-diMeC6	0.00	0.00	0.01	0.27	0.03	0.67	0.04	0.75
triMeCyC5	0.00	0.00	0.00	0.13	0.00	0.36	0.02	0.41
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.26	0.02	0.32
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.07
Toluene	0.04	0.34	0.04	0.71	0.04	0.53	0.09	0.47
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.26	0.01	0.28
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.09
2-MeC7	0.00	0.00	0.01	0.45	0.04	1.29	0.06	1.44
4-MeC7	0.00	0.00	0.00	0.13	0.00	0.41	0.02	0.45
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.15
3-MeC7	0.00	0.00	0.01	0.34	0.03	1.03	0.05	1.14
diMeCyC6	0.00	0.00	0.01	0.34	0.04	0.83	0.06	0.99
diMeCyC6	0.00	0.00	0.01	0.23	0.02	0.53	0.04	0.62
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.06
diMeCyC6	0.00	0.00	0.01	0.16	0.00	0.31	0.02	0.35
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.16
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05
n-Octane	0.00	0.00	0.02	0.65	0.06	1.68	0.09	1.97
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:								
ppm (vol)	10749.2	1045.5	29664.2	1189.2	6907.3	2764.7	17600.3	3378.6

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS

(vol percent of hydrocarbons)

IKU-NR GRIDNR	372941 1800m H	372942 1800m O	372951 1810m H	372952 1810m O	372961 1820m H	372962 1820m O	372971 1830m H	372972 1830m O
COMPOUND								
Methane	56.90	3.00	38.47	2.18	47.09	1.75	38.11	1.78
Ethene	0.00	0.32	0.00	0.29	0.00	0.20	0.00	0.16
Ethane	11.00	1.91	10.39	1.06	11.44	1.48	11.48	1.55
Propene	0.00	0.11	0.00	0.10	0.00	0.08	0.00	0.06
Propane	12.98	7.36	16.43	4.29	15.57	6.05	18.02	6.91
? RI= 321	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Butane	3.90	3.85	6.34	2.61	5.43	3.62	6.81	4.16
Butene	0.00	0.04	0.00	0.04	0.00	0.04	0.00	0.02
n-Butane	5.73	10.17	9.78	7.93	8.14	9.86	10.34	11.14
neo-C5	0.06	0.08	0.10	0.06	0.09	0.08	0.10	0.09
? RI= 423	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Pentane	2.32	7.23	4.46	6.58	3.26	7.47	4.18	8.20
? RI= 488	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
n-Pentane	2.05	9.98	4.01	9.56	2.86	9.97	3.69	10.77
? RI= 508	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
? RI= 519	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
neoC6?	0.08	0.37	0.15	0.36	0.09	0.36	0.12	0.38
cyclo-C5	0.07	0.27	0.12	0.26	0.08	0.28	0.10	0.28
2,3-diMeC4	0.15	0.96	0.30	0.98	0.19	0.97	0.24	1.01
2-MeC5	0.65	5.38	1.34	5.68	0.89	5.54	1.08	5.57
3-MeC5	0.39	3.13	0.78	3.28	0.50	3.14	0.60	3.10
n-Hexane	0.71	8.04	1.51	8.88	0.98	8.35	1.17	7.89
neo-C7	0.02	0.29	0.05	0.32	0.03	0.30	0.04	0.30
MeCyC5	0.24	1.54	0.42	1.65	0.24	1.54	0.30	1.43
2,4-diMeC5	0.05	0.63	0.10	0.71	0.06	0.63	0.07	0.60
triMeC4	0.01	0.09	0.02	0.10	0.01	0.08	0.01	0.08
Benzene	0.04	0.18	0.06	0.15	0.04	0.17	0.04	0.14
3,3-diMeC5	0.01	0.16	0.03	0.18	0.02	0.16	0.02	0.15
CyC6	0.52	3.18	0.88	3.43	0.51	3.25	0.65	3.12
2-MeC6	0.16	2.64	0.35	3.20	0.22	2.89	0.24	2.65
2,3-diMeC5	0.08	1.04	0.15	1.21	0.09	1.06	0.11	1.01
? RI= 672	0.06	0.56	0.12	0.65	0.07	0.59	0.08	0.57
3-MeC6	0.17	2.77	0.37	3.37	0.23	3.03	0.26	2.77
diMeCyC5	0.05	0.52	0.09	0.62	0.05	0.53	0.06	0.47
diMeCyC5	0.06	0.71	0.11	0.83	0.06	0.72	0.08	0.65
diMeCyC5	0.08	0.88	0.15	1.02	0.08	0.86	0.09	0.77
n-Heptane	0.26	5.40	0.62	6.97	0.39	6.33	0.43	5.54
MecyC6	0.67	7.03	1.20	8.38	0.64	7.17	0.79	6.49
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.01	0.33	0.03	0.39	0.02	0.34	0.02	0.31
2,4-diMeC6	0.04	0.70	0.08	0.84	0.05	0.71	0.05	0.64
triMeCyC5	0.02	0.40	0.04	0.49	0.03	0.41	0.03	0.36
triMeCyC5	0.02	0.31	0.04	0.37	0.02	0.30	0.02	0.27
triMeCyC5	0.00	0.06	0.01	0.07	0.00	0.06	0.00	0.05
Toluene	0.04	0.35	0.07	0.36	0.05	0.37	0.04	0.30
triMeCyC5	0.01	0.23	0.02	0.29	0.01	0.24	0.01	0.23
3Et2MeC5	0.00	0.07	0.01	0.08	0.00	0.07	0.00	0.06
2-MeC7	0.07	1.57	0.15	2.02	0.09	1.80	0.10	1.62
4-MeC7	0.02	0.48	0.05	0.62	0.03	0.55	0.03	0.50
3,4-diMeC6	0.01	0.12	0.01	0.15	0.01	0.13	0.01	0.12
3-MeC7	0.05	1.18	0.11	1.52	0.07	1.32	0.07	1.19
diMeCyC6	0.06	0.93	0.11	1.19	0.06	0.97	0.06	0.85
diMeCyC6	0.04	0.55	0.07	0.69	0.03	0.56	0.04	0.49
? RI= 786	0.00	0.00	0.00	0.04	0.00	0.03	0.00	0.03
diMeCyC6	0.02	0.30	0.04	0.37	0.02	0.31	0.03	0.28
diMeCyC6	0.01	0.18	0.02	0.23	0.01	0.18	0.01	0.15
? RI= 797	0.00	0.05	0.01	0.07	0.00	0.06	0.00	0.05
n-Octane	0.11	2.37	0.25	3.25	0.15	3.03	0.16	2.70
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:								
ppm (vol)	95171.7	11119.7	74290.2	13583.9	152553.2	22747.3	90623.5	19418.9

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS

(vol percent of hydrocarbons)

IKU-NR GRIDNR	372981 1840m H	372982 1840m O	372991 1850m H	372992 1850m O	373001 1860m H	373002 1860m O	373011 1870m H	373012 1870m O
COMPOUND								
Methane	48.98	2.30	67.15	4.74	39.58	2.47	26.66	2.04
Ethene	0.00	0.22	0.00	0.24	0.00	0.22	0.00	0.31
Ethane	12.55	2.64	12.84	6.88	15.21	2.42	8.92	0.74
Propene	0.00	0.08	0.00	0.08	0.00	0.09	0.00	0.10
Propane	15.30	8.83	9.68	16.48	18.31	10.98	16.41	6.20
? RI= 321	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
1-Butane	5.29	4.69	2.47	6.29	5.72	5.89	7.56	4.64
Butene	0.00	0.03	0.00	0.03	0.00	0.04	0.00	0.04
n-Butane	7.81	12.86	3.77	15.84	9.28	17.07	12.20	13.82
neo-C5	0.07	0.10	0.03	0.09	0.08	0.12	0.11	0.11
? RI= 423	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Pentane	2.89	8.17	1.15	6.83	2.75	7.96	4.67	7.98
? RI= 488	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
n-Pentane	2.50	10.92	0.97	8.57	2.79	11.84	5.20	11.94
? RI= 508	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
? RI= 519	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
neoC6?	0.08	0.36	0.03	0.27	0.11	0.41	0.20	0.48
cyclo-C5	0.07	0.31	0.04	0.31	0.12	0.37	0.25	0.33
2,3-diMeC4	0.17	0.99	0.07	0.72	0.19	0.93	0.41	1.11
2-MeC5	0.68	5.00	0.24	3.23	0.63	3.95	1.50	4.89
3-MeC5	0.37	2.76	0.14	1.81	0.39	2.29	0.94	2.83
n-Hexane	0.69	6.88	0.23	4.15	0.78	5.68	2.05	6.94
neo-C7	0.02	0.26	0.01	0.18	0.04	0.28	0.10	0.41
MeCyC5	0.19	1.34	0.08	0.91	0.21	0.98	0.55	1.15
2,4-diMeC5	0.04	0.52	0.02	0.33	0.05	0.45	0.15	0.65
triMeC4	0.01	0.07	0.00	0.05	0.01	0.09	0.03	0.12
Benzene	0.04	0.19	0.04	0.36	0.12	0.33	0.28	0.26
3,3-diMeC5	0.01	0.14	0.01	0.10	0.02	0.17	0.06	0.23
CyC6	0.49	3.35	0.28	2.87	0.88	3.77	2.26	4.10
2-MeC6	0.14	2.16	0.04	1.36	0.13	1.35	0.46	1.90
2,3-diMeC5	0.07	0.91	0.03	0.64	0.12	0.91	0.34	1.29
? RI= 672	0.06	0.54	0.03	0.41	0.12	0.67	0.32	0.86
3-MeC6	0.15	2.29	0.05	1.46	0.18	1.64	0.60	2.31
diMeCyC5	0.03	0.40	0.01	0.24	0.03	0.24	0.11	0.33
diMeCyC5	0.04	0.56	0.02	0.35	0.06	0.45	0.19	0.63
diMeCyC5	0.06	0.69	0.03	0.47	0.10	0.64	0.29	0.85
n-Heptane	0.24	4.47	0.07	2.71	0.25	2.61	0.98	3.53
MeCyC6	0.52	6.01	0.27	4.32	0.96	6.03	3.07	7.87
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.01	0.27	0.00	0.20	0.01	0.17	0.06	0.24
2,4-diMeC6	0.03	0.55	0.01	0.40	0.05	0.47	0.20	0.67
triMeCyC5	0.02	0.30	0.01	0.22	0.03	0.27	0.12	0.41
triMeCyC5	0.01	0.24	0.01	0.18	0.03	0.23	0.10	0.33
triMeCyC5	0.00	0.06	0.00	0.05	0.01	0.08	0.03	0.12
Toluene	0.04	0.32	0.03	0.37	0.09	0.36	0.27	0.36
triMeCyC5	0.01	0.20	0.00	0.16	0.02	0.17	0.07	0.25
3Et2MeC5	0.00	0.06	0.00	0.05	0.01	0.08	0.04	0.14
2-MeC7	0.06	1.44	0.02	1.08	0.08	0.85	0.34	1.09
4-MeC7	0.02	0.43	0.01	0.32	0.02	0.26	0.10	0.35
3,4-diMeC6	0.00	0.10	0.00	0.08	0.01	0.10	0.04	0.15
3-MeC7	0.04	1.02	0.01	0.74	0.05	0.59	0.24	0.78
diMeCyC6	0.04	0.72	0.02	0.53	0.10	0.74	0.39	1.10
diMeCyC6	0.02	0.42	0.01	0.30	0.05	0.37	0.20	0.53
? RI= 786	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.02	0.26	0.01	0.20	0.05	0.32	0.17	0.45
diMeCyC6	0.01	0.14	0.00	0.10	0.02	0.16	0.09	0.24
? RI= 797	0.00	0.05	0.00	0.04	0.01	0.07	0.04	0.10
n-Octane	0.10	2.36	0.03	1.71	0.14	1.38	0.64	1.70
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:								
ppm (vol)	122477.7	15251.0	116196.0	13386.7	53345.7	17907.6	12224.5	8592.2

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS

(vol percent of hydrocarbons)

IKU-NR GRIDNR	373021 1880m H	373022 1880m O	373031 1890m H	373032 1890m O	373041 1900m H	373042 1900m O	373051 1910m H	373052 1910m O
COMPOUND								
Methane	18.83	2.47	22.74	4.59	56.05	5.46	71.68	7.04
Ethene	0.00	0.38	0.00	0.44	0.00	0.43	0.00	0.19
Ethane	8.91	0.53	8.44	0.65	14.49	4.35	16.77	18.89
Propene	0.00	0.14	0.00	0.16	0.00	0.16	0.00	0.05
Propane	17.95	4.45	17.55	3.60	13.40	14.80	7.21	32.90
? RI= 321	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Butane	8.04	3.72	7.57	3.36	3.72	5.82	1.21	8.31
Butene	0.00	0.06	0.00	0.07	0.00	0.07	0.00	0.00
n-Butane	13.89	11.50	13.45	11.17	6.14	19.28	1.90	19.01
neo-C5	0.12	0.10	0.11	0.08	0.05	0.07	0.01	0.06
? RI= 423	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Pentane	5.52	7.39	5.18	7.27	1.83	7.38	0.43	4.66
? RI= 488	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
n-Pentane	6.09	11.40	5.48	11.38	1.49	10.27	0.31	4.07
? RI= 508	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
? RI= 519	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
neoC6?	0.24	0.48	0.21	0.42	0.04	0.20	0.01	0.04
cyclo-C5	0.31	0.32	0.32	0.32	0.08	0.46	0.02	0.22
2,3-diMeC4	0.48	1.11	0.44	1.05	0.09	0.60	0.02	0.15
2-MeC5	1.72	4.97	1.55	4.83	0.33	2.87	0.06	0.70
3-MeC5	1.09	2.90	1.00	2.82	0.20	1.70	0.04	0.40
n-Hexane	2.23	7.38	1.87	7.00	0.29	3.65	0.05	0.53
neo-C7	0.11	0.43	0.09	0.37	0.01	0.14	0.00	0.00
MeCyC5	0.69	1.20	0.77	1.32	0.21	1.67	0.05	0.55
2,4-diMeC5	0.16	0.69	0.14	0.61	0.02	0.26	0.00	0.02
triMeC4	0.04	0.12	0.00	0.10	0.01	0.04	0.00	0.00
Benzene	0.37	0.30	0.42	0.32	0.07	0.54	0.02	0.22
3,3-diMeC5	0.07	0.25	0.06	0.22	0.01	0.09	0.00	0.00
CyC6	2.88	4.34	2.89	4.34	0.37	2.89	0.06	0.53
2-MeC6	0.47	2.12	0.42	2.06	0.05	0.90	0.01	0.07
2,3-diMeC5	0.37	1.41	0.33	1.29	0.04	0.57	0.01	0.04
? RI= 672	0.38	0.93	0.36	0.87	0.04	0.39	0.00	0.03
3-MeC6	0.62	2.60	0.55	2.47	0.07	1.10	0.01	0.09
diMeCyC5	0.13	0.36	0.15	0.40	0.04	0.40	0.01	0.09
diMeCyC5	0.22	0.70	0.22	0.70	0.04	0.51	0.01	0.09
diMeCyC5	0.34	0.95	0.35	0.97	0.08	0.83	0.02	0.16
n-Heptane	0.94	4.20	0.77	4.10	0.08	1.75	0.01	0.11
MeCyC6	3.69	8.96	3.66	9.02	0.35	4.07	0.05	0.37
? RI= 726	0.00	0.00	0.00	0.00	0.03	0.40	0.00	0.03
2,5-diMeC6	0.05	0.29	0.05	0.29	0.00	0.13	0.00	0.00
2,4-diMeC6	0.21	0.80	0.19	0.78	0.02	0.39	0.00	0.02
triMeCyC5	0.12	0.48	0.11	0.46	0.01	0.25	0.00	0.02
triMeCyC5	0.11	0.39	0.10	0.39	0.02	0.25	0.00	0.03
triMeCyC5	0.03	0.14	0.00	0.13	0.00	0.06	0.00	0.00
Toluene	0.33	0.47	0.41	0.55	0.05	0.60	0.01	0.11
triMeCyC5	0.07	0.30	0.06	0.29	0.01	0.14	0.00	0.00
3Et2MeC5	0.04	0.16	0.00	0.14	0.00	0.07	0.00	0.00
2-MeC7	0.31	1.35	0.29	1.51	0.03	0.71	0.00	0.03
4-MeC7	0.09	0.44	0.08	0.47	0.01	0.22	0.00	0.00
3,4-diMeC6	0.03	0.18	0.00	0.17	0.00	0.08	0.00	0.00
3-MeC7	0.21	0.98	0.19	1.08	0.02	0.49	0.00	0.02
diMeCyC6	0.40	1.34	0.38	1.30	0.03	0.61	0.00	0.03
diMeCyC6	0.19	0.65	0.19	0.65	0.02	0.29	0.00	0.01
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.19	0.55	0.19	0.53	0.02	0.24	0.00	0.00
diMeCyC6	0.09	0.30	0.08	0.28	0.01	0.15	0.00	0.00
? RI= 797	0.04	0.12	0.04	0.11	0.00	0.06	0.00	0.00
n-Octane	0.61	2.21	0.55	2.48	0.05	1.12	0.01	0.05
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:								
ppm (vol)	7785.0	8955.7	4957.9	6762.2	42324.9	5021.0	117181.4	15420.2

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS

(vol percent of hydrocarbons)

IKU-NR GRIDNR	373061 1920m H	373062 1920m O	373071 1930m H	373072 1930m O	373081 1940m H	373082 1940m O	373091 1950m H	373092 1950m O
COMPOUND								
Methane	68.30	4.91	40.50	3.75	43.09	6.50	47.42	10.67
Ethene	0.00	0.22	0.00	0.33	0.28	0.44	0.29	0.46
Ethane	18.71	15.11	28.53	9.31	27.01	8.08	22.19	7.40
Propene	0.00	0.07	0.03	0.14	0.19	0.27	0.21	0.30
Propane	8.26	30.88	17.24	26.26	16.48	23.71	15.53	22.06
? RI= 321	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Butane	1.26	8.48	3.34	8.01	2.95	8.40	3.28	8.00
Butene	0.00	0.00	0.00	0.07	0.08	0.19	0.10	0.23
n-Butane	2.14	20.94	5.12	21.56	5.09	21.05	5.35	20.40
neo-C5	0.01	0.07	0.03	0.08	0.00	0.18	0.08	0.20
? RI= 423	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Pentane	0.45	5.85	1.33	7.19	1.31	7.65	1.56	7.47
? RI= 488	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
n-Pentane	0.34	5.50	1.07	8.08	1.14	8.10	1.25	7.88
? RI= 508	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
? RI= 519	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
neoC6?	0.01	0.06	0.02	0.10	0.00	0.12	0.03	0.12
cyclo-C5	0.03	0.30	0.10	0.42	0.10	0.43	0.09	0.40
2,3-diMeC4	0.02	0.23	0.06	0.38	0.06	0.40	0.08	0.40
2-MeC5	0.06	1.08	0.25	1.97	0.25	2.03	0.31	1.98
3-MeC5	0.04	0.62	0.16	1.13	0.15	1.16	0.19	1.13
n-Hexane	0.05	0.88	0.24	1.89	0.25	1.93	0.28	1.84
neo-C7	0.00	0.02	0.00	0.04	0.00	0.04	0.00	0.04
MeCyC5	0.06	0.85	0.26	1.42	0.24	1.42	0.27	1.35
2,4-diMeC5	0.00	0.04	0.01	0.10	0.00	0.10	0.00	0.10
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.03	0.34	0.14	0.54	0.13	0.55	0.08	0.46
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	0.07	0.84	0.39	1.53	0.34	1.58	0.36	1.51
2-MeC6	0.01	0.13	0.05	0.35	0.05	0.37	0.06	0.35
2,3-diMeC5	0.01	0.08	0.03	0.20	0.03	0.20	0.04	0.20
? RI= 672	0.01	0.06	0.03	0.13	0.00	0.13	0.03	0.13
3-MeC6	0.01	0.17	0.06	0.41	0.06	0.42	0.07	0.41
diMeCyC5	0.01	0.15	0.04	0.27	0.04	0.25	0.04	0.25
diMeCyC5	0.01	0.16	0.05	0.29	0.04	0.27	0.05	0.27
diMeCyC5	0.02	0.28	0.08	0.49	0.07	0.45	0.08	0.45
n-Heptane	0.01	0.22	0.09	0.55	0.08	0.58	0.09	0.55
MecyC6	0.05	0.67	0.42	1.59	0.35	1.59	0.42	1.69
? RI= 726	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-diMeC6	0.00	0.05	0.03	0.12	0.00	0.11	0.00	0.11
triMeCyC5	0.00	0.04	0.01	0.08	0.00	0.07	0.00	0.07
triMeCyC5	0.00	0.06	0.01	0.10	0.00	0.09	0.00	0.09
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.01	0.21	0.08	0.35	0.08	0.38	0.05	0.34
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	0.00	0.07	0.03	0.15	0.00	0.16	0.03	0.16
4-MeC7	0.00	0.01	0.00	0.03	0.00	0.04	0.00	0.00
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	0.00	0.04	0.02	0.09	0.00	0.10	0.02	0.10
diMeCyC6	0.00	0.06	0.04	0.14	0.03	0.14	0.04	0.14
diMeCyC6	0.00	0.03	0.02	0.07	0.00	0.07	0.00	0.07
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.02	0.01	0.05	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.03	0.00	0.04	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	0.01	0.10	0.06	0.21	0.04	0.24	0.05	0.25
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:								
ppm (vol)	81672.2	14189.9	15940.0	5723.5	6333.0	4816.1	9991.2	4202.8

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS

(vol percent of hydrocarbons)

IKU-NR GRIDNR	373101 1960m H	373102 1960m O	373111 2130m H	373112 2130m O	373121 2160m H	373122 2160m O	373131 2180m H	373132 2180m O
COMPOUND								
Methane	52.92	18.54	25.60	7.22	58.49	7.48	42.02	9.87
Ethene	0.65	0.48	0.00	0.36	0.00	0.34	0.00	0.68
Ethane	16.13	4.37	16.05	1.14	23.48	18.38	31.01	11.64
Propene	0.39	0.36	0.05	0.14	0.02	0.17	0.00	0.30
Propane	12.39	14.09	21.25	5.58	9.92	22.44	16.19	21.14
? RI= 321	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Butane	2.88	5.46	6.33	3.07	1.66	4.54	2.53	3.99
Butene	0.14	0.30	0.03	0.07	0.00	0.09	0.00	0.16
n-Butane	4.62	14.61	10.82	9.83	2.50	12.71	3.85	13.70
neo-C5	0.07	0.17	0.11	0.10	0.02	0.07	0.04	0.00
? RI= 423	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Pentane	1.69	6.58	4.14	6.55	0.81	4.58	1.10	4.10
? RI= 488	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
n-Pentane	1.46	8.01	3.62	8.68	0.59	5.40	0.75	5.85
? RI= 508	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
? RI= 519	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
neoC6?	0.07	0.18	0.14	0.39	0.03	0.19	0.04	0.21
cyclo-C5	0.09	0.38	0.29	0.38	0.07	0.37	0.08	0.39
2,3-diMeC4	0.14	0.53	0.25	0.83	0.05	0.40	0.07	0.36
2-MeC5	0.65	3.02	1.02	4.22	0.18	1.77	0.21	1.74
3-MeC5	0.38	1.71	0.64	2.51	0.12	1.10	0.14	1.06
n-Hexane	0.78	3.72	1.36	6.67	0.21	2.38	0.20	2.59
neo-C7	0.03	0.10	0.04	0.26	0.01	0.10	0.01	0.10
MeCyC5	0.36	1.78	1.07	2.75	0.22	1.56	0.23	1.60
2,4-diMeC5	0.06	0.21	0.07	0.47	0.01	0.17	0.02	0.18
triMeC4	0.00	0.03	0.00	0.08	0.00	0.04	0.00	0.00
Benzene	0.09	0.57	0.25	0.40	0.11	0.89	0.08	1.05
3,3-diMeC5	0.02	0.05	0.02	0.15	0.00	0.06	0.00	0.06
CyC6	0.46	1.99	1.53	3.67	0.35	2.21	0.37	2.32
2-MeC6	0.27	0.87	0.29	2.22	0.06	0.69	0.05	0.82
2,3-diMeC5	0.11	0.39	0.12	0.80	0.03	0.30	0.03	0.35
? RI= 672	0.06	0.22	0.11	0.46	0.03	0.21	0.03	0.23
3-MeC6	0.28	0.97	0.31	2.34	0.06	0.76	0.06	0.90
diMeCyC5	0.09	0.44	0.14	0.69	0.03	0.28	0.03	0.32
diMeCyC5	0.10	0.48	0.16	0.81	0.03	0.32	0.03	0.38
diMeCyC5	0.15	0.75	0.23	1.14	0.05	0.48	0.06	0.55
n-Heptane	0.51	1.60	0.62	5.02	0.10	1.29	0.08	1.69
MeCyC6	0.93	3.61	1.88	8.69	0.42	3.63	0.43	4.47
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.03	0.06	0.02	0.26	0.00	0.09	0.00	0.14
2,4-diMeC6	0.07	0.25	0.10	0.74	0.02	0.26	0.02	0.37
triMeCyC5	0.05	0.16	0.05	0.43	0.01	0.16	0.01	0.24
triMeCyC5	0.03	0.16	0.03	0.28	0.01	0.11	0.01	0.17
triMeCyC5	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
Toluene	0.06	0.65	0.29	0.97	0.07	0.92	0.05	1.22
triMeCyC5	0.02	0.06	0.02	0.21	0.00	0.08	0.00	0.13
3Et2MeC5	0.00	0.00	0.00	0.06	0.00	0.02	0.00	0.00
2-MeC7	0.14	0.37	0.15	1.58	0.03	0.49	0.03	0.88
4-MeC7	0.04	0.11	0.05	0.52	0.01	0.16	0.00	0.28
3,4-diMeC6	0.00	0.00	0.00	0.11	0.00	0.04	0.00	0.00
3-MeC7	0.11	0.25	0.12	1.27	0.03	0.39	0.02	0.68
diMeCyC6	0.13	0.38	0.18	1.38	0.04	0.50	0.04	0.78
diMeCyC6	0.06	0.19	0.09	0.70	0.02	0.25	0.02	0.38
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.03	0.11	0.05	0.34	0.01	0.13	0.01	0.20
diMeCyC6	0.02	0.09	0.00	0.21	0.00	0.07	0.00	0.12
? RI= 797	0.00	0.00	0.00	0.06	0.00	0.02	0.00	0.00
n-Octane	0.26	0.61	0.32	3.14	0.06	0.86	0.05	1.59
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation: ppm (vol)	12278.5	5615.7	8447.1	6943.3	22890.5	9954.3	20070.6	4167.7

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS

(vol percent of hydrocarbons)

IKU-NR GRIDNR	373141 2210m H	373142 2210m O	373151 2240m H	373152 2240m O	373161 2270m H	373162 2270m O	373171 2300m H	373172 2300m O
COMPOUND								
Methane	42.34	5.24	44.98	4.57	57.07	4.66	79.43	15.57
Ethene	0.00	0.46	0.00	0.43	0.00	0.44	0.00	0.19
Ethane	23.42	7.96	21.20	6.28	17.32	6.08	14.45	33.73
Propene	0.01	0.18	0.00	0.17	0.02	0.17	0.00	0.06
Propane	16.23	16.07	15.00	14.65	10.73	14.52	4.27	29.09
? RI= 321	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Butane	3.44	4.41	3.28	3.84	2.57	4.19	0.43	3.79
Butene	0.00	0.09	0.00	0.08	0.00	0.00	0.00	0.00
n-Butane	5.44	13.42	5.46	13.09	3.88	13.06	0.72	9.15
neo-C5	0.05	0.10	0.06	0.08	0.04	0.08	0.00	0.03
? RI= 423	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Pentane	1.87	6.01	2.11	6.13	1.69	6.57	0.17	2.10
? RI= 488	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
n-Pentane	1.43	7.27	1.66	8.24	1.20	8.26	0.13	1.97
? RI= 508	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
? RI= 519	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
neoC6?	0.07	0.32	0.08	0.30	0.06	0.27	0.00	0.05
cyclo-C5	0.14	0.39	0.15	0.43	0.12	0.45	0.01	0.15
2,3-diMeC4	0.12	0.64	0.14	0.66	0.11	0.66	0.01	0.11
2-MeC5	0.43	2.89	0.51	3.22	0.47	3.39	0.03	0.43
3-MeC5	0.28	1.74	0.33	1.91	0.29	2.00	0.02	0.26
n-Hexane	0.48	3.96	0.60	4.80	0.46	4.77	0.03	0.44
neo-C7	0.02	0.19	0.02	0.18	0.02	0.17	0.00	0.02
MeCyC5	0.49	2.11	0.54	2.40	0.45	2.49	0.04	0.37
2,4-diMeC5	0.03	0.33	0.04	0.33	0.04	0.33	0.00	0.03
triMeC4	0.01	0.06	0.01	0.06	0.00	0.00	0.00	0.00
Benzene	0.21	0.56	0.18	0.68	0.12	0.48	0.03	0.26
3,3-diMeC5	0.01	0.11	0.01	0.11	0.01	0.10	0.00	0.00
CyC6	0.80	3.05	0.82	3.34	0.66	3.43	0.06	0.52
2-MeC6	0.12	1.37	0.14	1.43	0.15	1.45	0.01	0.10
2,3-diMeC5	0.06	0.55	0.06	0.57	0.07	0.60	0.00	0.05
? RI= 672	0.06	0.36	0.06	0.38	0.06	0.39	0.00	0.04
3-MeC6	0.14	1.46	0.16	1.54	0.17	1.58	0.01	0.11
diMeCyC5	0.07	0.47	0.08	0.52	0.07	0.56	0.00	0.05
diMeCyC5	0.08	0.55	0.08	0.60	0.08	0.65	0.01	0.05
diMeCyC5	0.12	0.81	0.13	0.87	0.12	0.95	0.01	0.08
n-Heptane	0.23	2.66	0.28	2.95	0.26	2.98	0.01	0.15
MeCyC6	1.01	6.14	1.03	6.80	0.89	6.73	0.07	0.54
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.01	0.18	0.01	0.17	0.02	0.16	0.00	0.01
2,4-diMeC6	0.05	0.49	0.05	0.51	0.06	0.50	0.00	0.03
triMeCyC5	0.03	0.31	0.03	0.31	0.04	0.33	0.00	0.02
triMeCyC5	0.02	0.21	0.02	0.21	0.03	0.24	0.00	0.02
triMeCyC5	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00
Toluene	0.17	0.73	0.16	0.97	0.10	0.69	0.01	0.14
triMeCyC5	0.01	0.15	0.01	0.15	0.01	0.14	0.00	0.00
3Et2MeC5	0.00	0.05	0.00	0.05	0.00	0.00	0.00	0.00
2-MeC7	0.07	1.05	0.08	1.01	0.09	0.96	0.01	0.06
4-MeC7	0.02	0.34	0.02	0.33	0.03	0.30	0.00	0.02
3,4-diMeC6	0.00	0.08	0.00	0.07	0.00	0.00	0.00	0.00
3-MeC7	0.05	0.82	0.06	0.80	0.07	0.71	0.00	0.04
diMeCyC6	0.10	0.93	0.10	0.98	0.11	0.96	0.01	0.06
diMeCyC6	0.05	0.46	0.05	0.49	0.06	0.48	0.00	0.03
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.03	0.24	0.03	0.26	0.03	0.24	0.00	0.02
diMeCyC6	0.01	0.14	0.01	0.14	0.00	0.15	0.00	0.00
? RI= 797	0.00	0.04	0.00	0.04	0.00	0.00	0.00	0.00
n-Octane	0.15	1.87	0.16	1.85	0.16	1.69	0.01	0.09
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:								
ppm (vol)	29435.9	7529.1	33509.1	7840.2	29732.4	5545.7	96731.2	27024.6

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS

(vol percent of hydrocarbons)

IKU-NR GRIDNR	373181 2300m H	373182 2300m O	373191 2330m H	373192 2330m O	373201 2360m H	373202 2360m O	373211 2390m H	373212 2390m O
COMPOUND								
Methane	75.25	11.35	51.56	30.29	44.04	24.76	59.54	25.47
Ethene	0.00	0.24	1.25	0.94	0.52	1.27	0.00	0.72
Ethane	16.90	28.23	26.36	8.10	26.03	9.08	16.87	21.71
Propene	0.00	0.09	0.00	0.00	0.00	0.68	0.00	0.00
Propane	5.45	30.71	13.90	20.33	19.91	26.24	14.85	20.65
? RI= 321	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Butane	0.54	3.44	1.54	2.97	2.67	3.31	2.01	2.07
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	0.90	10.83	2.41	10.53	3.89	13.12	3.30	9.22
neo-C5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 423	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Pentane	0.21	2.32	0.65	2.79	0.89	2.69	0.80	1.95
? RI= 488	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
n-Pentane	0.16	2.72	0.43	3.65	0.53	3.63	0.58	3.16
? RI= 508	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
? RI= 519	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
neoC6?	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00
cyclo-C5	0.02	0.24	0.06	0.29	0.07	0.28	0.07	0.18
2,3-diMeC4	0.01	0.14	0.04	0.20	0.04	0.17	0.00	0.00
2-MeC5	0.05	0.66	0.15	1.05	0.13	0.86	0.16	0.85
3-MeC5	0.03	0.40	0.10	0.63	0.09	0.52	0.10	0.51
n-Hexane	0.05	0.78	0.16	1.35	0.11	1.22	0.18	1.39
neo-C7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MeCyC5	0.05	0.69	0.16	1.08	0.16	0.90	0.19	0.73
2,4-diMeC5	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.06	0.66	0.18	0.99	0.11	0.98	0.16	0.57
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	0.08	0.94	0.28	1.50	0.27	1.45	0.31	1.10
2-MeC6	0.01	0.28	0.05	0.60	0.00	0.37	0.05	0.47
2,3-diMeC5	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.18
? RI= 672	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC6	0.02	0.30	0.06	0.66	0.03	0.40	0.05	0.50
diMeCyC5	0.00	0.13	0.00	0.27	0.00	0.00	0.00	0.17
diMeCyC5	0.00	0.15	0.00	0.31	0.00	0.00	0.00	0.20
diMeCyC5	0.01	0.23	0.00	0.48	0.00	0.29	0.00	0.28
n-Heptane	0.03	0.50	0.11	1.51	0.05	0.92	0.10	1.12
MeCyC6	0.10	1.45	0.36	3.27	0.31	2.95	0.39	2.70
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-diMeC6	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.21
triMeCyC5	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.03	0.45	0.12	1.32	0.08	1.31	0.14	0.79
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	0.01	0.30	0.00	0.97	0.00	0.50	0.00	0.56
4-MeC7	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.16
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	0.00	0.22	0.00	0.69	0.00	0.36	0.00	0.42
diMeCyC6	0.01	0.26	0.00	0.80	0.00	0.57	0.05	0.51
diMeCyC6	0.00	0.11	0.00	0.35	0.00	0.00	0.00	0.24
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	0.02	0.49	0.10	2.08	0.05	1.16	0.09	1.21
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:								
ppm (vol)	40516.5	5381.5	6605.2	1196.0	9867.7	1249.8	4160.9	1094.2

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS
(vol percent of hydrocarbons)

IKU-NR GRIDNR	373221 2420m H	373222 2420m O	373231 2450m H	373232 2450m O	373241 2480m H	373242 2480m O	373251 2510m H	373252 2510m O
COMPOUND								
Methane	39.72	18.47	52.83	10.66	57.04	36.53	62.48	12.40
Ethene	0.00	0.70	0.30	0.58	0.00	0.78	0.00	0.31
Ethane	26.32	8.84	23.37	15.03	24.25	12.65	23.57	27.39
Propene	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00
Propane	22.32	24.99	16.08	32.31	14.57	26.02	11.60	42.69
? RI= 321	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Butane	2.89	2.99	1.98	3.36	1.20	1.60	0.80	2.30
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	4.33	12.02	2.62	11.89	1.74	7.29	1.12	9.68
neo-C5	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00
? RI= 423	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Pentane	1.17	2.88	0.70	2.56	0.33	0.97	0.14	0.99
? RI= 488	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
n-Pentane	0.68	4.01	0.42	3.12	0.18	1.41	0.08	1.31
? RI= 508	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
? RI= 519	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
neoC6?	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00
cyclo-C5	0.09	0.26	0.04	0.20	0.03	0.00	0.01	0.09
2,3-diMeC4	0.06	0.20	0.04	0.24	0.00	0.00	0.00	0.00
2-MeC5	0.21	1.19	0.16	1.12	0.06	0.39	0.02	0.23
3-MeC5	0.14	0.71	0.10	0.66	0.04	0.22	0.00	0.14
n-Hexane	0.17	1.68	0.13	1.24	0.04	0.54	0.01	0.24
neo-C7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MeCyC5	0.24	1.07	0.12	0.78	0.06	0.29	0.02	0.18
2,4-diMeC5	0.00	0.00	0.01	0.16	0.00	0.00	0.00	0.00
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.17	0.81	0.05	0.32	0.06	0.39	0.03	0.27
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	0.44	1.67	0.22	1.34	0.12	0.51	0.05	0.34
2-MeC6	0.05	0.73	0.04	0.70	0.00	0.50	0.00	0.08
2,3-diMeC5	0.00	0.27	0.02	0.35	0.00	0.18	0.00	0.00
? RI= 672	0.00	0.00	0.02	0.17	0.00	0.00	0.00	0.00
3-MeC6	0.06	0.78	0.05	0.77	0.02	0.54	0.00	0.09
diMeCyC5	0.00	0.25	0.02	0.24	0.00	0.00	0.00	0.00
diMeCyC5	0.04	0.30	0.03	0.31	0.00	0.00	0.00	0.00
diMeCyC5	0.05	0.42	0.04	0.46	0.00	0.19	0.00	0.00
n-Heptane	0.09	1.85	0.07	1.37	0.03	1.29	0.00	0.13
MeCyC6	0.51	3.99	0.31	3.22	0.18	1.69	0.07	0.73
? RI= 726	0.00	0.00	0.00	0.34	0.00	0.19	0.00	0.00
2,5-diMeC6	0.00	0.16	0.00	0.13	0.00	0.00	0.00	0.00
2,4-diMeC6	0.00	0.37	0.00	0.31	0.00	0.25	0.00	0.00
triMeCyC5	0.00	0.25	0.00	0.29	0.00	0.22	0.00	0.00
triMeCyC5	0.00	0.16	0.00	0.22	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.12	1.30	0.03	0.29	0.03	0.40	0.01	0.13
triMeCyC5	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	0.00	1.25	0.03	0.99	0.00	1.06	0.00	0.00
4-MeC7	0.00	0.38	0.00	0.27	0.00	0.29	0.00	0.00
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	0.00	0.90	0.02	0.57	0.00	0.67	0.00	0.00
diMeCyC6	0.05	0.97	0.04	0.85	0.02	0.76	0.00	0.13
diMeCyC6	0.00	0.44	0.02	0.37	0.00	0.32	0.00	0.00
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	0.08	2.75	0.05	1.55	0.03	1.86	0.00	0.16
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation: ppm (vol)	4942.6	1094.6	15408.4	1799.3	8561.9	992.9	14111.1	2390.3

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS

(vol percent of hydrocarbons)

IKU-NR GRIDNR	373261 2540m H	373262 2540m O	373271 2570m H	373272 2570m O	373281 2600m H	373282 2600m O	373291 2630m H	373292 2630m O
COMPOUND								
Methane	71.93	28.14	67.96	11.34	45.89	22.22	53.50	26.14
Ethene	0.00	0.62	0.00	0.26	0.00	0.52	0.00	0.58
Ethane	18.51	25.04	19.69	26.32	26.20	17.16	25.22	17.76
Propene	0.00	0.28	0.00	0.12	0.00	0.26	0.02	0.29
Propane	7.68	29.79	9.86	40.07	20.52	34.90	16.15	32.66
? RI= 321	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Butane	0.52	1.77	0.64	2.67	1.61	2.22	1.21	2.18
Butene	0.00	0.16	0.00	0.00	0.00	0.14	0.00	0.16
n-Butane	0.82	7.75	1.21	11.60	3.49	11.74	2.50	10.87
neo-C5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 423	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Pentane	0.13	0.97	0.14	1.33	0.49	1.39	0.35	1.37
? RI= 488	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
n-Pentane	0.10	1.69	0.14	2.51	0.55	2.86	0.36	2.70
? RI= 508	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
? RI= 519	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
neoC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
cyclo-C5	0.01	0.10	0.02	0.12	0.05	0.15	0.03	0.15
2,3-diMeC4	0.00	0.00	0.00	0.06	0.02	0.00	0.02	0.00
2-MeC5	0.03	0.28	0.02	0.35	0.09	0.43	0.06	0.37
3-MeC5	0.02	0.16	0.01	0.20	0.06	0.26	0.03	0.22
n-Hexane	0.03	0.46	0.03	0.57	0.12	0.82	0.07	0.74
neo-C7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MeCyC5	0.02	0.25	0.02	0.24	0.08	0.35	0.05	0.32
2,4-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.02	0.25	0.03	0.14	0.05	0.21	0.02	0.26
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cyc6	0.06	0.46	0.07	0.56	0.24	0.83	0.13	0.77
2-MeC6	0.00	0.00	0.00	0.06	0.00	0.16	0.01	0.09
2,3-diMeC5	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
? RI= 672	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC6	0.00	0.10	0.00	0.06	0.02	0.17	0.01	0.09
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.07	0.02	0.13	0.01	0.09
n-Heptane	0.02	0.23	0.01	0.17	0.05	0.40	0.03	0.27
MeCyC6	0.08	0.94	0.09	0.82	0.32	1.61	0.17	1.34
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.01	0.17	0.01	0.09	0.03	0.17	0.01	0.21
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00
4-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00
diMeCyC6	0.01	0.16	0.01	0.10	0.04	0.26	0.02	0.18
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	0.02	0.22	0.01	0.09	0.05	0.30	0.02	0.19
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:								
ppm (vol)	20401.2	1767.2	18246.6	4581.6	7738.9	2055.2	17873.3	2191.2

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

 COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS
 (vol percent of hydrocarbons)

IKU-NR GRIDNR	373301 2660m H	373302 2660m O	373311 2690m H	373312 2690m O	373331 2720m H	373332 2720m O	373321 2750m H	373322 2750m O
COMPOUND								
Methane	52.47	22.03	64.15	18.68	54.41	19.97	14.97	35.75
Ethene	0.00	0.84	0.00	0.75	0.00	0.48	0.00	0.00
Ethane	27.93	20.51	21.07	25.48	28.13	28.01	14.18	2.77
Propene	0.00	0.45	0.01	0.43	0.00	0.00	0.00	0.00
Propane	15.70	37.04	11.16	27.29	13.93	34.43	41.79	17.28
? RI= 321	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Butane	0.92	1.66	0.91	1.89	0.94	1.68	4.50	3.78
Butene	0.00	0.25	0.00	0.24	0.00	0.00	0.00	0.00
n-Butane	1.84	9.20	1.51	6.37	1.63	8.14	13.64	14.72
neo-C5	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00
? RI= 423	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Pentane	0.26	0.96	0.29	1.32	0.24	0.99	2.44	4.40
? RI= 488	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
n-Pentane	0.24	2.01	0.23	1.61	0.20	1.68	3.35	6.69
? RI= 508	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
? RI= 519	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
neoC6?	0.00	0.00	0.01	0.09	0.00	0.00	0.00	0.00
cyclo-C5	0.02	0.00	0.01	0.08	0.02	0.00	0.00	0.00
2,3-diMeC4	0.00	0.00	0.02	0.20	0.01	0.00	0.00	0.00
2-MeC5	0.05	0.31	0.07	0.82	0.04	0.29	0.58	1.51
3-MeC5	0.03	0.18	0.04	0.43	0.03	0.18	0.32	0.84
n-Hexane	0.05	0.61	0.06	0.98	0.04	0.50	0.99	2.55
neo-C7	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00
MeCyC5	0.04	0.22	0.03	0.29	0.03	0.20	0.39	0.97
2,4-diMeC5	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.03	0.28	0.01	0.12	0.03	0.24	0.37	0.64
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	0.13	0.55	0.10	0.90	0.11	0.62	0.69	1.67
2-MeC6	0.00	0.12	0.01	0.61	0.00	0.00	0.00	0.41
2,3-diMeC5	0.00	0.00	0.01	0.30	0.00	0.00	0.00	0.00
? RI= 672	0.00	0.00	0.01	0.09	0.00	0.00	0.00	0.00
3-MeC6	0.00	0.14	0.02	0.69	0.00	0.13	0.00	0.44
diMeCyC5	0.00	0.00	0.01	0.12	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.01	0.16	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.01	0.28	0.00	0.00	0.00	0.00
n-Heptane	0.03	0.38	0.02	1.68	0.02	0.32	0.45	1.25
MeCyC6	0.19	1.29	0.14	2.37	0.14	1.27	1.04	2.65
? RI= 726	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.00
2,5-diMeC6	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00
2,4-diMeC6	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.00	0.24	0.01	0.09	0.01	0.20	0.30	0.84
triMeCyC5	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	0.00	0.15	0.01	1.07	0.00	0.16	0.00	0.00
4-MeC7	0.00	0.00	0.00	0.32	0.00	0.00	0.00	0.00
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	0.00	0.00	0.01	0.47	0.00	0.00	0.00	0.00
diMeCyC6	0.03	0.26	0.02	0.61	0.02	0.21	0.00	0.00
diMeCyC6	0.00	0.00	0.01	0.24	0.00	0.00	0.00	0.00
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	0.03	0.34	0.02	1.48	0.03	0.32	0.00	0.85
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation: ppm (vol))	8499.0	1406.7	28275.4	2204.2	12387.2	1162.3	516.8	441.3

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS
(vol percent of hydrocarbons)

IKU-NR GRIDNR	373341 2780m H	373342 2780m O	373351 2810m H	373352 2810m O	373361 2840m H	373362 2840m O	373371 2870m H	373372 2870m O
COMPOUND								
Methane	42.23	27.50	30.55	23.70	36.77	12.13	36.01	24.72
Ethane	0.42	0.68	0.38	0.74	0.37	0.51	0.38	0.46
Ethane	20.90	7.66	21.21	4.64	21.66	7.08	17.10	3.89
Propene	0.23	0.37	0.37	0.46	0.31	0.38	0.35	0.29
Propane	20.86	19.05	29.09	22.58	25.14	25.91	26.37	19.70
? RI= 321	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Butane	2.93	2.66	3.22	2.71	2.92	3.44	3.34	3.98
Butene	0.11	0.00	0.17	0.30	0.12	0.21	0.18	0.23
n-Butane	5.14	10.43	6.79	13.52	5.38	12.38	8.15	18.50
neo-C5	0.06	0.00	0.00	0.00	0.09	0.12	0.09	0.18
? RI= 423	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Pentane	1.62	3.35	1.76	3.60	1.58	4.34	1.79	5.20
? RI= 498	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
n-Pentane	1.19	4.18	1.49	5.09	1.13	4.45	1.52	6.07
? RI= 508	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
? RI= 519	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
neoC6?	0.07	0.17	0.07	0.18	0.07	0.30	0.06	0.24
cyclo-C5	0.08	0.22	0.10	0.20	0.06	0.16	0.10	0.23
2,3-diMeC4	0.12	0.36	0.12	0.37	0.12	0.54	0.11	0.46
2-MeC5	0.37	1.43	0.37	1.56	0.36	1.91	0.32	1.50
3-MeC5	0.23	0.89	0.25	0.99	0.24	1.21	0.21	0.95
n-Hexane	0.40	2.12	0.46	2.17	0.35	2.04	0.40	1.75
neo-C7	0.00	0.00	0.00	0.00	0.03	0.23	0.00	0.13
MeCyC5	0.29	1.14	0.34	1.10	0.25	1.03	0.43	1.36
2,4-diMeC5	0.03	0.17	0.00	0.18	0.03	0.31	0.00	0.15
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.09	0.34	0.20	0.58	0.16	0.41	0.16	0.33
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00
CyC6	0.68	2.64	1.05	2.94	0.73	2.72	1.02	2.89
2-MeC6	0.10	0.72	0.10	0.68	0.10	0.95	0.09	0.42
2,3-diMeC5	0.04	0.26	0.00	0.26	0.05	0.44	0.04	0.17
? RI= 672	0.00	0.00	0.00	0.00	0.04	0.23	0.00	0.12
3-MeC6	0.11	0.74	0.11	0.70	0.12	1.00	0.10	0.43
diMeCyC5	0.04	0.20	0.00	0.00	0.04	0.23	0.04	0.14
diMeCyC5	0.04	0.25	0.00	0.22	0.05	0.31	0.04	0.17
diMeCyC5	0.07	0.36	0.07	0.33	0.07	0.47	0.07	0.27
n-Heptane	0.21	1.90	0.20	1.29	0.17	1.69	0.16	0.56
MeCyC6	0.87	4.92	1.08	5.07	0.90	5.04	1.03	3.36
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.00
2,4-diMeC6	0.04	0.32	0.00	0.27	0.04	0.47	0.00	0.11
triMeCyC5	0.00	0.16	0.00	0.00	0.03	0.30	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.08	0.50	0.13	0.67	0.11	0.42	0.11	0.28
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	0.06	0.72	0.06	0.51	0.07	1.27	0.04	0.13
4-MeC7	0.00	0.24	0.00	0.18	0.00	0.39	0.00	0.00
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00
3-MeC7	0.05	0.61	0.06	0.49	0.06	0.95	0.05	0.15
diMeCyC6	0.08	0.61	0.07	0.44	0.08	0.68	0.06	0.17
diMeCyC6	0.03	0.27	0.00	0.20	0.04	0.33	0.00	0.09
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.03	0.18	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	0.14	1.86	0.14	1.08	0.14	2.10	0.09	0.23
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation: ppm (vol)	5423.5	1049.8	3095.0	947.7	6518.5	2482.4	5297.3	2060.5

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS
(vol percent of hydrocarbons)

IKU-NR GRIDNR	373381 2900m H	373382 2900m O	373391 2930m H	373392 2930m O	373401 2960m H	373402 2960m O	373411 2990m H	373412 2990m O
COMPOUND								
Methane	42.72	30.04	26.59	24.88	29.53	29.71	35.90	22.51
Ethene	0.00	0.48	0.26	0.65	0.49	1.26	0.62	0.68
Ethane	17.17	5.53	12.10	1.79	11.08	2.84	11.49	2.57
Propene	0.10	0.19	0.18	0.00	0.37	0.00	0.23	0.00
Propane	22.96	18.00	25.23	6.43	25.17	6.57	22.65	10.83
? RI= 321	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Butane	3.18	2.73	4.83	2.18	4.61	1.60	3.98	2.52
Butene	0.05	0.00	0.15	0.00	0.21	0.00	0.13	0.00
n-Butane	6.97	13.60	12.29	10.05	11.88	8.72	10.73	12.90
neo-C5	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 423	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Pentane	1.57	3.35	3.49	4.73	3.01	2.95	2.50	4.08
? RI= 488	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
n-Pentane	1.38	5.36	3.47	7.44	3.52	5.81	3.09	7.60
? RI= 508	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
? RI= 519	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
neoC6?	0.04	0.09	0.07	0.15	0.06	0.00	0.04	0.00
cyclo-C5	0.07	0.20	0.17	0.22	0.16	0.00	0.16	0.26
2,3-diMeC4	0.09	0.29	0.20	0.52	0.18	0.00	0.14	0.40
2-MeC5	0.27	1.20	0.75	2.51	0.67	1.65	0.56	1.86
3-MeC5	0.17	0.74	0.47	1.47	0.42	0.98	0.35	1.14
n-Hexane	0.36	2.24	1.20	5.28	1.29	4.54	1.00	4.33
neo-C7	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00
MeCyC5	0.37	1.50	1.05	2.40	0.77	1.59	0.63	1.72
2,4-diMeC5	0.02	0.11	0.00	0.26	0.05	0.00	0.04	0.16
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.07	0.28	0.20	0.18	0.16	0.39	0.19	0.40
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	0.72	2.73	1.90	3.94	1.60	3.43	1.33	3.60
2-MeC6	0.06	0.42	0.19	1.13	0.19	1.09	0.15	0.81
2,3-diMeC5	0.03	0.16	0.07	0.36	0.06	0.00	0.06	0.27
? RI= 672	0.03	0.12	0.06	0.22	0.06	0.00	0.06	0.23
3-MeC6	0.06	0.44	0.19	1.12	0.19	1.07	0.16	0.82
diMeCyC5	0.04	0.23	0.12	0.47	0.09	0.00	0.09	0.39
diMeCyC5	0.04	0.25	0.13	0.51	0.10	0.37	0.10	0.43
diMeCyC5	0.07	0.41	0.21	0.80	0.17	0.65	0.16	0.70
n-Heptane	0.13	1.11	0.55	3.83	0.62	4.88	0.41	2.77
MeCyC6	0.90	5.45	2.73	9.62	2.27	9.84	2.11	9.37
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-diMeC6	0.03	0.20	0.07	0.44	0.05	0.39	0.04	0.33
triMeCyC5	0.00	0.09	0.00	0.21	0.00	0.00	0.00	0.20
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.05	0.34	0.24	0.41	0.15	0.88	0.17	0.82
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	0.03	0.21	0.08	0.60	0.09	0.97	0.08	0.50
4-MeC7	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.17
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	0.02	0.20	0.07	0.53	0.09	0.90	0.07	0.47
diMeCyC6	0.08	0.64	0.24	1.25	0.19	1.51	0.22	1.28
diMeCyC6	0.04	0.29	0.11	0.59	0.10	0.73	0.11	0.65
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.10	0.00	0.17	0.00	0.00	0.00	0.20
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	0.08	0.68	0.33	2.32	0.35	4.69	0.26	2.02
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation: ppm (vol)	11067.7	1847.2	2532.4	1411.2	3984.4	470.8	4246.7	1109.6

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS

(vol percent of hydrocarbons)

IKU-NR GRIDNR	373421 3020m H	373422 3020m O	373431 3050m H	373432 3050m O	373441 3080m H	373442 3080m O	373451 3110m H	373452 3110m O
COMPOUND								
Methane	20.98	40.27	42.89	37.47	31.10	55.14	27.15	41.74
Ethene	0.30	0.94	0.42	1.32	0.35	2.49	0.29	1.46
Ethane	14.78	3.01	12.00	15.49	13.44	4.09	6.59	4.56
Propene	0.29	0.00	0.28	0.00	0.30	1.00	0.27	0.41
Propane	30.10	6.20	17.70	11.43	23.38	4.09	14.13	1.75
? RI= 321	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Butane	4.19	1.20	2.71	0.83	3.24	0.84	4.83	0.55
Butene	0.17	0.00	0.15	0.00	0.17	0.00	0.17	0.00
n-Butane	12.56	8.35	7.84	5.91	10.56	4.72	9.68	1.62
neo-C5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 423	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Pentane	2.95	2.82	2.12	1.46	2.45	1.83	4.39	1.53
? RI= 488	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
n-Pentane	3.44	5.63	2.70	3.40	3.59	3.42	5.76	2.87
? RI= 508	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
? RI= 519	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
neoC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00
cyclo-C5	0.20	0.00	0.16	0.00	0.20	0.00	0.21	0.00
2,3-diMeC4	0.18	0.33	0.14	0.00	0.15	0.00	0.44	0.35
2-MeC5	0.65	1.61	0.61	0.93	0.64	0.95	2.18	2.26
3-MeC5	0.42	0.99	0.37	0.54	0.40	0.59	1.26	1.26
n-Hexane	1.19	3.84	1.39	2.85	1.47	2.58	4.02	5.16
neo-C7	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.33
MeCyC5	0.76	1.45	0.77	0.91	0.88	1.21	1.13	0.78
2,4-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.52
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.26	0.27	0.26	0.29	0.33	0.00	0.32	0.00
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00
CyC6	1.70	3.05	1.40	1.61	1.66	2.41	2.14	1.44
2-MeC6	0.19	0.85	0.22	0.57	0.21	0.53	1.00	2.17
2,3-diMeC5	0.00	0.27	0.07	0.00	0.00	0.00	0.39	0.77
? RI= 672	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00
3-MeC6	0.19	0.85	0.22	0.56	0.22	0.55	0.97	2.06
diMeCyC5	0.10	0.31	0.12	0.00	0.11	0.00	0.14	0.20
diMeCyC5	0.11	0.36	0.13	0.00	0.13	0.00	0.20	0.30
diMeCyC5	0.17	0.58	0.20	0.39	0.20	0.00	0.25	0.38
n-Heptane	0.55	2.88	0.97	2.84	0.74	2.33	2.95	7.22
MeCyC6	2.49	8.11	2.45	5.45	2.59	6.24	2.89	4.52
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.51
2,4-diMeC6	0.00	0.30	0.00	0.00	0.00	0.00	0.36	0.94
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.47
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.22	0.52	0.30	0.48	0.30	0.61	0.49	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.43
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	0.09	0.57	0.14	0.51	0.13	0.50	0.77	2.21
4-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.73
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	0.09	0.53	0.12	0.45	0.12	0.00	0.70	2.00
diMeCyC6	0.24	1.11	0.31	1.01	0.31	1.03	0.23	0.57
diMeCyC6	0.11	0.54	0.15	0.48	0.15	0.50	0.11	0.28
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	0.35	2.26	0.71	2.83	0.47	2.36	1.93	5.67
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:								
ppm (vol)	1955.9	651.5	2363.3	551.2	1931.6	335.2	2257.5	794.1

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

 COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS
 (vol percent of hydrocarbons)

IKU-NR GRIDNR	373461 3140m H	373462 3140m O	373471 3170m H	373472 3170m O	373481 3200m H	373482 3200m O	373491 3230m H	373492 3230m O
COMPOUND								
Methane	61.05	34.33	28.78	31.66	34.71	71.04	39.82	65.29
Ethene	0.45	0.42	0.29	1.21	0.41	2.87	0.00	2.93
Ethane	11.10	24.51	14.56	3.35	19.33	5.01	13.54	6.27
Propene	0.14	0.00	0.19	0.52	0.00	0.00	0.00	1.21
Propane	10.39	13.48	25.78	9.97	26.59	5.65	20.15	3.48
? RI= 321	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Butane	1.79	1.28	4.81	1.50	2.81	0.00	2.72	0.00
Butene	0.00	0.00	0.11	0.28	0.00	0.00	0.00	0.00
n-Butane	4.55	6.11	9.77	8.74	6.12	2.58	5.27	1.81
neo-C5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 423	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Pentane	1.55	2.27	3.14	3.13	1.83	0.00	2.32	0.71
? RI= 488	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
n-Pentane	1.98	3.58	2.93	5.05	1.36	1.05	1.71	1.03
? RI= 508	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
? RI= 519	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
neoC6?	0.00	0.10	0.13	0.20	0.00	0.00	0.00	0.00
cyclo-C5	0.07	0.10	0.14	0.00	0.00	0.00	0.00	0.00
2,3-diMeC4	0.13	0.25	0.26	0.47	0.17	0.00	0.27	0.00
2-MeC5	0.64	1.27	0.71	1.72	0.44	0.00	0.88	0.58
3-MeC5	0.38	0.72	0.49	1.10	0.31	0.00	0.59	0.00
n-Hexane	1.04	2.53	1.05	3.51	0.52	0.92	1.27	1.21
neo-C7	0.00	0.11	0.00	0.23	0.00	0.00	0.00	0.00
MeCyC5	0.35	0.64	0.69	1.28	0.50	0.00	0.71	0.00
2,4-diMeC5	0.07	0.16	0.07	0.29	0.00	0.00	0.00	0.00
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.17	0.16	0.29	0.39	0.34	0.00	0.59	0.00
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	0.62	1.07	1.69	3.00	1.55	1.21	1.96	0.87
2-MeC6	0.32	0.58	0.24	1.27	0.18	0.00	0.70	0.90
2,3-diMeC5	0.10	0.19	0.10	0.43	0.00	0.00	0.00	0.00
? RI= 672	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC6	0.31	0.55	0.25	1.28	0.19	0.00	0.71	0.90
diMeCyC5	0.00	0.09	0.07	0.22	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.12	0.09	0.32	0.00	0.00	0.00	0.00
diMeCyC5	0.07	0.15	0.13	0.44	0.00	0.00	0.00	0.00
n-Heptane	0.65	1.49	0.44	3.54	0.34	1.83	1.54	2.62
MeCyC6	0.95	1.70	1.90	6.19	1.70	2.96	2.21	2.26
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.00	0.09	0.00	0.26	0.00	0.00	0.00	0.00
2,4-diMeC6	0.11	0.17	0.07	0.51	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.07	0.00	0.24	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.15	0.19	0.15	0.48	0.13	0.00	0.28	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	0.20	0.29	0.10	1.15	0.00	0.77	0.53	1.24
4-MeC7	0.00	0.10	0.00	0.42	0.00	0.00	0.00	0.48
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	0.19	0.26	0.12	1.16	0.00	0.00	0.61	1.37
diMeCyC6	0.09	0.14	0.14	0.70	0.15	0.00	0.00	0.00
diMeCyC6	0.00	0.07	0.07	0.33	0.00	0.00	0.00	0.00
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	0.39	0.65	0.25	3.43	0.32	4.09	1.62	4.83
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:								
ppm (vol)	2174.4	2478.7	2605.0	961.3	1425.3	206.0	660.6	357.5

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

 COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS
 (vol percent of hydrocarbons)

IKU-NR GRIDNR	373501 3260m H	373502 3260m O	373511 3290m H	373512 3290m O	373521 3320m H	373522 3320m O	373531 3350m H	373532 3350m O
COMPOUND								
Methane	50.60	56.65	53.92	54.14	35.23	56.83	47.78	72.87
Ethene	0.64	1.74	0.00	1.59	0.47	2.31	0.00	3.79
Ethane	14.22	6.04	15.33	5.70	7.97	3.49	11.53	8.81
Propene	0.29	0.73	0.00	0.74	0.00	0.00	0.00	0.00
Propane	17.85	7.90	15.49	11.58	13.70	2.80	17.30	5.23
? RI= 321	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Butane	2.40	0.85	2.35	1.57	3.43	0.00	2.97	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	4.34	3.74	3.89	5.42	6.47	2.83	5.88	2.74
neo-C5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 423	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Pentane	1.72	1.22	1.89	2.25	4.27	1.49	2.47	0.00
? RI= 488	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
n-Pentane	1.14	1.68	1.01	2.22	3.22	2.36	1.80	1.54
? RI= 508	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
? RI= 519	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
neoC6?	0.18	0.00	0.26	0.27	0.65	0.00	0.00	0.00
cyclo-C5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-diMeC4	0.19	0.00	0.20	0.30	0.77	0.00	0.33	0.00
2-MeC5	0.50	0.78	0.49	1.07	2.35	1.83	1.03	0.00
3-MeC5	0.34	0.51	0.35	0.70	1.51	1.09	0.68	0.00
n-Hexane	0.55	1.55	0.37	1.34	2.35	2.76	0.89	1.17
neo-C7	0.00	0.00	0.00	0.00	0.41	0.00	0.00	0.00
MeCyC5	0.44	0.58	0.55	0.91	1.17	0.77	0.62	0.00
2,4-diMeC5	0.00	0.00	0.00	0.00	0.44	0.00	0.00	0.00
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.36	0.53	0.45	0.73	0.45	0.00	0.36	0.00
3,3-diMeC5	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.00
CyC6	1.30	1.32	1.48	2.03	2.11	1.34	1.28	0.00
2-MeC6	0.27	0.95	0.22	0.77	1.57	2.21	0.68	0.00
2,3-diMeC5	0.00	0.00	0.00	0.00	0.56	0.64	0.00	0.00
? RI= 672	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC6	0.28	0.94	0.23	0.79	1.56	2.15	0.69	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.00
n-Heptane	0.42	2.55	0.21	1.22	1.91	3.57	0.66	1.03
MecyC6	1.17	2.67	1.15	2.49	2.50	3.25	1.65	1.19
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00
2,4-diMeC6	0.00	0.00	0.00	0.00	0.37	0.63	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.12	0.38	0.00	0.34	0.21	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	0.16	1.06	0.00	0.46	0.82	1.72	0.41	0.00
4-MeC7	0.00	0.41	0.00	0.00	0.35	0.68	0.00	0.00
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	0.18	1.16	0.00	0.51	0.95	1.93	0.44	0.00
diMeCyC6	0.00	0.33	0.00	0.00	0.17	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	0.35	3.55	0.16	0.86	1.24	3.32	0.53	1.63
SUM:								
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:								
ppm (vol)	1369.5	583.0	1016.4	605.9	1158.3	272.6	529.2	174.5

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS

(vol percent of hydrocarbons)

IKU-NR GRIDNR	373541 3380m H	373542 3380m O	373551 3410m H	373552 3410m O	373561 3440m H	373562 3440m O	373571 3470m H	373572 3470m O
COMPOUND								
Methane	65.58	47.68	86.99	23.24	85.19	39.15	68.96	52.69
Ethane	0.47	1.47	0.00	0.40	0.00	0.78	0.00	1.55
Ethane	17.58	23.39	11.15	51.54	12.35	37.91	23.64	22.55
Propene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64
Propane	9.77	14.95	1.41	15.56	1.97	15.42	5.90	12.14
? RI= 321	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Butane	1.03	0.86	0.09	0.88	0.12	0.63	0.30	0.92
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	1.73	4.18	0.14	2.39	0.15	2.89	0.48	2.91
neo-C5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 423	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Pentane	0.63	0.75	0.05	0.86	0.05	0.51	0.13	0.97
? RI= 488	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
n-Pentane	0.34	1.11	0.03	0.58	0.00	0.63	0.00	1.10
? RI= 508	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
? RI= 519	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
neoC6?	0.11	0.00	0.00	0.11	0.00	0.00	0.00	0.00
cyclo-C5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-diMeC4	0.09	0.00	0.00	0.13	0.00	0.00	0.00	0.00
2-MeC5	0.18	0.34	0.01	0.34	0.00	0.21	0.00	0.41
3-MeC5	0.13	0.00	0.00	0.22	0.00	0.00	0.00	0.00
n-Hexane	0.13	0.53	0.00	0.23	0.00	0.24	0.00	0.53
neo-C7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MeCyC5	0.23	0.34	0.02	0.33	0.00	0.21	0.00	0.42
2,4-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.17	0.68	0.02	0.50	0.05	0.25	0.16	0.80
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	0.50	0.62	0.03	0.59	0.07	0.49	0.22	0.92
2-MeC6	0.12	0.00	0.00	0.19	0.00	0.00	0.00	0.00
2,3-diMeC5	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00
? RI= 672	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC6	0.13	0.00	0.00	0.19	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Heptane	0.09	0.50	0.00	0.16	0.00	0.00	0.00	0.00
MecyC6	0.77	1.32	0.05	0.92	0.06	0.68	0.19	1.45
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-diMeC6	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.00	0.36	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00
4-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	0.10	0.34	0.00	0.13	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	0.10	0.57	0.00	0.17	0.00	0.00	0.00	0.00
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:								
ppm (vol)	1877.1	495.1	15121.5	1663.0	5553.8	763.8	1463.7	491.3

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS

(vol percent of hydrocarbons)

IKU-NR GRIDNR	373581 3500m H	373582 3500m O	373591 3530m H	373592 3530m O	373601 3560m H	373602 3560m O	373611 3590m H	373612 3590m O
COMPOUND								
Methane	66.36	55.95	60.88	45.38	74.22	18.72	81.67	21.75
Ethene	0.00	1.87	0.66	1.91	0.00	0.62	0.00	0.34
Ethane	26.70	23.85	20.81	6.18	20.34	45.43	15.32	52.80
Propene	0.00	0.00	0.00	0.00	0.03	0.32	0.01	0.14
Propane	5.82	14.15	10.95	17.22	4.21	24.42	2.48	18.67
? RI= 321	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Butane	0.42	0.00	1.79	2.36	0.40	1.71	0.20	1.15
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	0.33	1.81	1.93	6.46	0.46	4.11	0.19	2.98
neo-C5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 423	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Pentane	0.00	0.00	0.76	2.31	0.12	1.00	0.05	0.62
? RI= 488	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
n-Pentane	0.00	0.00	0.27	2.28	0.05	0.74	0.02	0.44
? RI= 508	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
? RI= 519	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
neoC6?	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
cyclo-C5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-diMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC5	0.00	0.00	0.00	1.24	0.02	0.32	0.01	0.15
3-MeC5	0.00	0.00	0.00	0.75	0.01	0.20	0.00	0.09
n-Hexane	0.00	0.00	0.00	1.86	0.01	0.28	0.00	0.11
neo-C7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MeCyC5	0.00	0.00	0.24	0.88	0.02	0.25	0.01	0.12
2,4-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.20	1.21	0.33	1.36	0.01	0.27	0.00	0.10
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	0.10	0.50	0.60	1.79	0.04	0.48	0.01	0.21
2-MeC6	0.00	0.00	0.00	0.88	0.00	0.16	0.00	0.00
2,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 672	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC6	0.00	0.00	0.00	0.85	0.00	0.16	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Heptane	0.00	0.00	0.00	1.52	0.00	0.15	0.00	0.00
MeCyC6	0.08	0.66	0.77	2.69	0.05	0.67	0.02	0.34
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	0.00	0.00	0.00	0.59	0.00	0.00	0.00	0.00
4-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:								
ppm (vol)	2139.8	309.0	776.0	302.8	16684.7	1197.5	55904.1	2602.0

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

 COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS
 (vol percent of hydrocarbons)

IKU-NR GRIDNR	373621 3620m H	373622 3620m O	373631 3650m H	373632 3650m O	373641 3680m H	373642 3680m O	373651 3700m H	373652 3700m O
COMPOUND								
Methane	77.54	33.25	79.03	18.79	77.54	18.83	79.04	18.05
Ethane	0.00	0.98	0.00	0.29	0.00	0.54	0.00	0.45
Ethane	15.05	26.99	15.57	49.88	16.18	41.56	14.68	43.56
Propene	0.05	0.43	0.00	0.10	0.03	0.28	0.03	0.19
Propane	4.43	19.34	3.68	21.55	4.07	22.13	3.84	23.21
? RI= 321	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Butane	0.59	2.11	0.54	1.74	0.57	1.99	0.81	2.70
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00
n-Butane	0.69	5.28	0.48	3.76	0.58	4.93	0.63	5.01
neo-C5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 423	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Pentane	0.35	1.95	0.20	1.00	0.25	1.62	0.33	1.75
? RI= 488	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
n-Pentane	0.15	1.53	0.07	0.61	0.10	1.20	0.11	0.96
? RI= 508	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
? RI= 519	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
neoC6?	0.03	0.00	0.02	0.06	0.02	0.12	0.02	0.12
cyclo-C5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-diMeC4	0.04	0.21	0.02	0.09	0.03	0.19	0.03	0.18
2-MeC5	0.10	0.81	0.04	0.26	0.06	0.61	0.06	0.49
3-MeC5	0.07	0.51	0.03	0.17	0.04	0.39	0.04	0.31
n-Hexane	0.07	0.77	0.02	0.16	0.04	0.54	0.02	0.31
neo-C7	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.08
MeCyC5	0.08	0.57	0.03	0.19	0.04	0.42	0.04	0.29
2,4-diMeC5	0.00	0.00	0.00	0.00	0.01	0.11	0.00	0.08
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.04	0.57	0.01	0.17	0.01	0.35	0.02	0.20
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	0.15	0.99	0.06	0.33	0.08	0.78	0.08	0.54
2-MeC6	0.05	0.48	0.02	0.09	0.03	0.33	0.02	0.18
2,3-diMeC5	0.02	0.00	0.01	0.05	0.01	0.15	0.00	0.10
? RI= 672	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC6	0.05	0.48	0.02	0.10	0.03	0.34	0.02	0.19
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
diMeCyC5	0.02	0.00	0.01	0.00	0.01	0.10	0.00	0.08
n-Heptane	0.05	0.49	0.01	0.06	0.02	0.32	0.00	0.12
MecyC6	0.25	1.50	0.11	0.50	0.15	1.40	0.13	0.87
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-diMeC6	0.00	0.00	0.00	0.00	0.01	0.12	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	0.03	0.24	0.01	0.00	0.01	0.15	0.00	0.00
4-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	0.03	0.27	0.01	0.00	0.02	0.18	0.00	0.00
diMeCyC6	0.03	0.00	0.01	0.00	0.02	0.13	0.01	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	0.04	0.28	0.01	0.00	0.02	0.19	0.00	0.00
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:								
ppm (vol)	8583.6	871.2	22322.7	4025.5	21423.4	1659.1	11445.4	2024.6

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

 COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS
 (vol percent of hydrocarbons)

IKU-NR GRIDNR	373661 3720m H	373662 3720m O	373671 3740m H	373672 3740m O	373681 3760m H	373682 3760m O	373691 3780m H	373692 3780m O
COMPOUND								
Methane	79.92	23.99	84.23	28.91	91.21	43.45	91.22	45.62
Ethene	0.00	0.35	0.00	0.26	0.00	0.00	0.00	0.00
Ethane	13.17	38.65	12.84	47.68	7.78	43.54	8.06	46.51
Propene	0.00	0.11	0.00	0.07	0.00	0.00	0.00	0.00
Propane	4.28	20.14	2.11	16.56	0.81	10.14	0.62	6.82
? RI= 321	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Butane	0.97	2.98	0.29	1.35	0.08	0.73	0.04	0.46
Butene	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	0.72	5.02	0.23	2.62	0.06	1.31	0.04	0.46
neo-C5	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00
? RI= 423	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Pentane	0.33	1.89	0.10	0.68	0.02	0.31	0.01	0.09
? RI= 488	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
n-Pentane	0.11	1.13	0.03	0.41	0.01	0.15	0.00	0.03
? RI= 508	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
? RI= 519	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
neoC6?	0.02	0.11	0.01	0.04	0.00	0.02	0.00	0.00
cyclo-C5	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
2,3-diMeC4	0.03	0.19	0.01	0.06	0.00	0.02	0.00	0.00
2-MeC5	0.05	0.55	0.02	0.17	0.00	0.05	0.00	0.00
3-MeC5	0.04	0.35	0.01	0.11	0.00	0.03	0.00	0.00
n-Hexane	0.03	0.45	0.01	0.12	0.00	0.03	0.00	0.00
neo-C7	0.01	0.06	0.00	0.00	0.00	0.00	0.00	0.00
MeCyC5	0.03	0.34	0.01	0.11	0.00	0.04	0.00	0.00
2,4-diMeC5	0.01	0.07	0.00	0.00	0.00	0.00	0.00	0.00
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.01	0.21	0.00	0.11	0.00	0.03	0.00	0.00
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	0.05	0.60	0.03	0.22	0.01	0.07	0.00	0.01
2-MeC6	0.02	0.22	0.01	0.06	0.00	0.00	0.00	0.00
2,3-diMeC5	0.01	0.10	0.00	0.03	0.00	0.00	0.00	0.00
? RI= 672	0.01	0.06	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC6	0.02	0.22	0.01	0.06	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.01	0.07	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.01	0.10	0.00	0.00	0.00	0.00	0.00	0.00
n-Heptane	0.01	0.23	0.00	0.05	0.00	0.00	0.00	0.00
MeCyC6	0.09	1.09	0.04	0.32	0.01	0.08	0.00	0.01
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-diMeC6	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.00	0.10	0.00	0.04	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	0.01	0.08	0.00	0.00	0.00	0.00	0.00	0.00
4-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	0.01	0.09	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.01	0.10	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	0.01	0.13	0.00	0.00	0.00	0.00	0.00	0.00
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:								
ppm (vol)	35878.9	3434.4	57741.6	4603.7	95717.4	9957.4	100004.9	50036.2

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS
(vol percent of hydrocarbons)

IKU-NR GRIDNR	373701 3800m H	373702 3800m O	373711 3820m H	373712 3820m O	373721 3840m H	373722 3840m O	373731 3860m H	373732 3860m O
COMPOUND								
Methane	89.85	43.03	88.79	46.11	87.37	25.21	87.31	40.59
Ethene	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00
Ethane	8.90	45.64	9.97	45.74	10.89	56.77	10.82	48.99
Propene	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01
Propane	0.95	9.17	1.02	7.04	1.34	14.05	1.44	8.78
? RI= 321	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Butane	0.11	0.68	0.09	0.47	0.16	1.22	0.16	0.66
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	0.08	0.93	0.08	0.48	0.12	1.60	0.15	0.70
neo-C5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 423	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Pentane	0.04	0.23	0.02	0.09	0.04	0.42	0.05	0.14
? RI= 488	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
n-Pentane	0.01	0.09	0.01	0.03	0.01	0.17	0.02	0.05
? RI= 508	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
? RI= 519	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
neoC6?	0.01	0.02	0.00	0.00	0.01	0.03	0.00	0.01
cyclo-C5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-diMeC4	0.00	0.02	0.00	0.00	0.00	0.03	0.00	0.01
2-MeC5	0.01	0.03	0.00	0.01	0.01	0.05	0.01	0.01
3-MeC5	0.00	0.02	0.00	0.00	0.01	0.04	0.00	0.01
n-Hexane	0.00	0.01	0.00	0.00	0.00	0.03	0.00	0.00
neo-C7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MeCyC5	0.00	0.02	0.00	0.00	0.00	0.03	0.00	0.01
2,4-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.00	0.02	0.00	0.00	0.00	0.02	0.00	0.01
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cyc6	0.01	0.04	0.00	0.01	0.01	0.07	0.01	0.02
2-MeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 672	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Heptane	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MecyC6	0.01	0.05	0.01	0.01	0.02	0.07	0.02	0.01
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:								
ppm (vol)	122654.2	25836.9	113196.6	44409.9	61807.3	10928.9	82023.2	35076.4

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS
(vol percent of hydrocarbons)

IKU-NR GRIDNR	373741 3880m H	373742 3880m O	373751 3900m H	373752 3900m O	373761 3920m H	373762 3920m O	373771 3940m H	373772 3940m O
COMPOUND								
Methane	89.94	41.64	88.55	38.74	82.38	23.69	85.10	20.72
Ethene	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.20
Ethane	8.95	48.52	10.23	50.56	13.83	53.59	12.24	55.00
Propene	0.00	0.00	0.00	0.01	0.00	0.04	0.00	0.04
Propane	0.91	8.51	1.01	9.00	2.65	17.36	1.88	18.17
? RI= 321	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Butane	0.09	0.59	0.10	0.73	0.47	1.79	0.30	2.07
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	0.06	0.58	0.07	0.67	0.31	2.07	0.23	2.33
neo-C5	0.00	0.00	0.00	0.01	0.02	0.03	0.01	0.03
? RI= 423	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Pentane	0.02	0.10	0.02	0.15	0.13	0.57	0.09	0.71
? RI= 488	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
n-Pentane	0.01	0.03	0.01	0.05	0.04	0.20	0.03	0.24
? RI= 508	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
? RI= 519	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
neoC6?	0.00	0.00	0.00	0.01	0.03	0.05	0.01	0.06
cyclo-C5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-diMeC4	0.00	0.00	0.00	0.01	0.01	0.03	0.01	0.04
2-MeC5	0.00	0.00	0.00	0.01	0.02	0.07	0.01	0.08
3-MeC5	0.00	0.00	0.00	0.01	0.01	0.04	0.01	0.05
n-Hexane	0.00	0.00	0.00	0.00	0.01	0.04	0.01	0.04
neo-C7	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
MeCyC5	0.00	0.00	0.00	0.01	0.01	0.04	0.01	0.04
2,4-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.00	0.01	0.00	0.01	0.00	0.03	0.00	0.03
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	0.00	0.01	0.00	0.02	0.02	0.07	0.02	0.08
2-MeC6	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00
2,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 672	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC6	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Heptane	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MeCyC6	0.00	0.01	0.01	0.01	0.02	0.07	0.02	0.07
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:								
ppm (vol)	146304.6	28910.2	82917.0	41928.3	46524.6	12922.1	35771.9	9419.1

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS

(vol percent of hydrocarbons)

IKU-NR GRIDNR	373781 3960m H	373782 3960m O	373791 3980m H	373792 3980m O	373801 4000m H	373802 4000m O	373811 4020m H	373812 4020m O
COMPOUND								
Methane	94.33	60.26	92.72	58.37	68.56	43.95	70.79	39.90
Ethene	0.00	0.00	0.00	0.00	0.00	0.39	0.00	0.41
Ethane	5.14	33.13	6.49	35.32	20.12	28.69	16.54	24.97
Propene	0.00	0.00	0.00	0.01	0.03	0.10	0.04	0.14
Propane	0.42	5.38	0.61	5.20	5.53	13.31	5.35	14.47
? RI= 321	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Butane	0.05	0.54	0.08	0.47	1.65	2.27	1.64	3.47
Butene	0.00	0.00	0.00	0.00	0.01	0.05	0.00	0.04
n-Butane	0.03	0.47	0.05	0.42	1.17	3.69	1.51	5.06
neo-C5	0.00	0.01	0.00	0.01	0.05	0.05	0.06	0.10
? RI= 423	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Pentane	0.01	0.12	0.02	0.11	1.02	2.08	1.25	3.25
? RI= 488	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
n-Pentane	0.00	0.04	0.00	0.03	0.29	1.05	0.45	1.65
? RI= 508	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
? RI= 519	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
neoC6?	0.00	0.01	0.00	0.01	0.11	0.20	0.17	0.39
cyclo-C5	0.00	0.00	0.00	0.00	0.01	0.03	0.01	0.04
2,3-diMeC4	0.00	0.00	0.00	0.00	0.08	0.18	0.10	0.28
2-MeC5	0.00	0.01	0.00	0.01	0.26	0.66	0.38	1.08
3-MeC5	0.00	0.01	0.00	0.01	0.15	0.41	0.23	0.64
n-Hexane	0.00	0.00	0.00	0.00	0.13	0.46	0.19	0.70
neo-C7	0.00	0.00	0.00	0.00	0.03	0.08	0.05	0.14
MeCyC5	0.00	0.01	0.00	0.00	0.04	0.16	0.07	0.23
2,4-diMeC5	0.00	0.00	0.00	0.00	0.03	0.07	0.04	0.11
triMeC4	0.00	0.00	0.00	0.00	0.01	0.02	0.01	0.03
Benzene	0.00	0.01	0.00	0.01	0.01	0.09	0.01	0.12
3,3-diMeC5	0.00	0.00	0.00	0.00	0.02	0.04	0.03	0.07
CyC6	0.00	0.01	0.00	0.01	0.07	0.28	0.11	0.35
2-MeC6	0.00	0.00	0.00	0.00	0.10	0.24	0.15	0.37
2,3-diMeC5	0.00	0.00	0.00	0.00	0.03	0.08	0.05	0.12
? RI= 672	0.00	0.00	0.00	0.00	0.01	0.02	0.01	0.03
3-MeC6	0.00	0.00	0.00	0.00	0.09	0.23	0.14	0.35
diMeCyC5	0.00	0.00	0.00	0.00	0.01	0.02	0.01	0.03
diMeCyC5	0.00	0.00	0.00	0.00	0.01	0.04	0.02	0.05
diMeCyC5	0.00	0.00	0.00	0.00	0.01	0.04	0.02	0.05
n-Heptane	0.00	0.00	0.00	0.00	0.07	0.21	0.09	0.28
MeCyC6	0.00	0.01	0.00	0.01	0.11	0.41	0.19	0.51
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.00	0.00	0.00	0.00	0.01	0.03	0.02	0.04
2,4-diMeC6	0.00	0.00	0.00	0.00	0.02	0.04	0.03	0.06
triMeCyC5	0.00	0.00	0.00	0.00	0.01	0.02	0.01	0.03
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.00	0.00	0.00	0.00	0.01	0.05	0.01	0.07
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	0.00	0.00	0.00	0.00	0.04	0.07	0.05	0.09
4-MeC7	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.03
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	0.00	0.00	0.00	0.00	0.04	0.07	0.06	0.10
diMeCyC6	0.00	0.00	0.00	0.00	0.01	0.02	0.01	0.02
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	0.00	0.00	0.00	0.00	0.04	0.07	0.04	0.09
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:								
ppm (vol)	315357.0	48845.3	258742.2	59604.6	39857.3	8365.7	21132.8	7530.4

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS
(vol percent of hydrocarbons)

IKU-NR GRIDNR	373821 4040m H	373822 4040m O	373831 4060m H	373832 4060m O	373841 4080m H	373842 4080m O	373851 4100m H	373852 4100m O
COMPOUND								
Methane	72.60	57.55	77.31	65.83	80.30	67.44	80.37	62.94
Ethane	0.00	0.59	0.00	2.25	0.00	0.53	0.00	0.54
Ethane	15.67	16.76	12.99	14.53	12.43	14.47	13.51	14.57
Propene	0.05	0.16	0.06	0.13	0.06	0.13	0.04	0.15
Propane	5.41	10.69	4.49	7.79	3.93	8.68	3.60	11.09
? RI= 321	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Butane	1.87	2.80	1.46	1.85	1.09	1.84	0.85	2.40
Butene	0.03	0.08	0.04	0.08	0.02	0.06	0.00	0.10
n-Butane	1.55	4.07	1.37	2.93	0.92	2.91	0.74	3.75
neo-C5	0.09	0.09	0.07	0.06	0.04	0.05	0.04	0.07
? RI= 423	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Pentane	1.05	2.41	0.83	1.53	0.48	1.24	0.35	1.49
? RI= 488	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
n-Pentane	0.38	1.21	0.36	0.82	0.19	0.69	0.15	0.86
? RI= 508	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
? RI= 519	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
neoC6?	0.14	0.28	0.11	0.18	0.06	0.13	0.05	0.15
cyclo-C5	0.01	0.04	0.01	0.02	0.00	0.02	0.00	0.00
2,3-diMeC4	0.07	0.18	0.05	0.11	0.03	0.09	0.02	0.10
2-MeC5	0.21	0.61	0.17	0.37	0.09	0.27	0.06	0.29
3-MeC5	0.13	0.36	0.10	0.22	0.05	0.17	0.04	0.18
n-Hexane	0.12	0.39	0.11	0.24	0.05	0.19	0.04	0.21
neo-C7	0.03	0.07	0.02	0.05	0.01	0.04	0.01	0.04
MeCyC5	0.05	0.15	0.04	0.09	0.02	0.10	0.02	0.13
2,4-diMeC5	0.02	0.06	0.02	0.03	0.01	0.03	0.01	0.00
triMeC4	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00
Benzene	0.01	0.09	0.01	0.09	0.01	0.11	0.01	0.17
3,3-diMeC5	0.02	0.04	0.01	0.03	0.01	0.02	0.00	0.00
CyC6	0.08	0.26	0.06	0.16	0.03	0.18	0.03	0.25
2-MeC6	0.06	0.17	0.05	0.10	0.03	0.08	0.02	0.08
2,3-diMeC5	0.02	0.06	0.02	0.04	0.01	0.03	0.01	0.00
? RI= 672	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC6	0.06	0.16	0.05	0.09	0.03	0.08	0.02	0.08
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.01	0.03	0.01	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.01	0.03	0.01	0.00	0.00	0.00	0.00	0.00
n-Heptane	0.04	0.13	0.04	0.07	0.02	0.06	0.01	0.06
MecyC6	0.10	0.29	0.07	0.18	0.05	0.22	0.03	0.25
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00
2,4-diMeC6	0.01	0.03	0.01	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.01	0.04	0.01	0.03	0.00	0.04	0.00	0.05
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	0.02	0.05	0.01	0.03	0.01	0.03	0.00	0.00
4-MeC7	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	0.02	0.05	0.01	0.03	0.01	0.03	0.00	0.00
diMeCyC6	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	0.02	0.04	0.01	0.02	0.01	0.03	0.00	0.00
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:								
ppm (vol)	31146.9	6385.2	26605.1	8905.6	23402.4	8387.0	31867.6	4482.7

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS
(vol percent of hydrocarbons)

IKU-NR GRIDNR	373861 4120m H	373862 4120m O	373871 4140m H	373872 4140m O	373881 4160m H	373882 4160m O	373891 4180m H	373892 4180m O
COMPOUND								
Methane	87.80	36.79	86.40	28.12	89.24	42.27	83.42	40.59
Ethane	0.00	0.22	0.00	0.31	0.00	0.00	0.00	0.00
Ethane	10.16	46.80	10.81	39.92	8.75	39.62	14.68	48.14
Propene	0.00	0.04	0.00	0.09	0.00	0.00	0.00	0.03
Propane	1.39	11.52	1.82	18.00	1.41	12.71	1.53	8.31
? RI= 321	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Butane	0.23	1.49	0.36	3.28	0.22	2.00	0.19	1.34
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	0.19	1.76	0.27	4.55	0.19	1.98	0.11	0.82
neo-C5	0.01	0.03	0.01	0.08	0.01	0.04	0.00	0.04
? RI= 423	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Pentane	0.09	0.62	0.13	1.84	0.08	0.68	0.04	0.40
? RI= 488	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
n-Pentane	0.03	0.24	0.05	1.00	0.03	0.25	0.01	0.09
? RI= 508	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
? RI= 519	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
neoC6?	0.01	0.06	0.02	0.18	0.01	0.05	0.01	0.05
cyclo-C5	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
2,3-diMeC4	0.01	0.04	0.01	0.13	0.00	0.03	0.00	0.02
2-MeC5	0.02	0.08	0.02	0.39	0.01	0.08	0.01	0.04
3-MeC5	0.01	0.05	0.01	0.25	0.01	0.05	0.00	0.03
n-Hexane	0.01	0.04	0.01	0.29	0.01	0.05	0.00	0.02
neo-C7	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00
MeCyC5	0.00	0.04	0.01	0.17	0.00	0.03	0.00	0.02
2,4-diMeC5	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.00	0.03	0.00	0.20	0.00	0.03	0.00	0.02
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	0.01	0.07	0.02	0.31	0.01	0.07	0.00	0.04
2-MeC6	0.01	0.01	0.01	0.11	0.00	0.01	0.00	0.00
2,3-diMeC5	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
? RI= 672	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC6	0.01	0.01	0.01	0.11	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Heptane	0.00	0.00	0.01	0.10	0.00	0.00	0.00	0.00
MeCyC6	0.01	0.06	0.02	0.32	0.01	0.05	0.01	0.03
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:								
ppm (vol)	79052.0	12970.9	41654.8	5296.4	98813.7	10835.0	23961.9	10073.7

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS
(vol percent of hydrocarbons)

IKU-NR GRIDNR	373901 4200m H	373902 4200m O	373911 4210m H	373912 4210m O	373921 4240m H	373922 4240m O	373931 4260m H	373932 4260m O
COMPOUND								
Methane	97.21	84.31	90.19	36.72	92.15	49.44	87.62	40.48
Ethene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33
Ethane	2.62	14.56	8.66	53.09	6.40	36.68	9.43	32.77
Propene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Propane	0.15	0.95	0.88	8.16	1.00	9.53	2.14	16.02
? RI= 321	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Butane	0.02	0.11	0.13	1.12	0.20	1.99	0.35	3.96
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	0.01	0.04	0.08	0.54	0.12	1.18	0.31	2.98
neo-C5	0.00	0.00	0.00	0.03	0.01	0.07	0.00	0.18
? RI= 423	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
i-Pentane	0.00	0.01	0.03	0.22	0.06	0.58	0.09	1.67
? RI= 488	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
n-Pentane	0.00	0.00	0.01	0.05	0.02	0.15	0.03	0.47
? RI= 508	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
? RI= 519	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
neoC6?	0.00	0.00	0.01	0.03	0.01	0.09	0.02	0.24
cyclo-C5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-diMeC4	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.09
2-MeC5	0.00	0.00	0.01	0.02	0.01	0.07	0.00	0.23
3-MeC5	0.00	0.00	0.00	0.00	0.01	0.04	0.00	0.15
n-Hexane	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.11
neo-C7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MeCyC5	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.05
2,4-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.05
3,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	0.00	0.00	0.00	0.02	0.00	0.04	0.00	0.12
2-MeC6	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
2,3-diMeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 672	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Heptane	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MeCyC6	0.00	0.00	0.00	0.00	0.01	0.03	0.02	0.09
? RI= 726	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,4-diMeC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 786	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:								
ppm (vol)	252637.9	95517.4	41034.1	8884.6	78289.5	11228.8	8722.5	2950.5

IKU Project 22.1878.00

Well 7219/9-1

Norsk Hydro et al.

COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS
(vol percent of hydrocarbons)

IKU-NR GRIDNR	373941 4280m H	373942 4280m O	373951 4300m H	373952 4300m O
COMPOUND				
Methane	88.44	49.40	82.40	62.97
Ethene	0.00	0.41	0.00	0.51
Ethane	8.81	28.54	13.46	17.47
Propene	0.00	0.00	0.00	0.00
Propane	1.93	13.35	2.85	11.16
? RI= 321	-1.00	-1.00	-1.00	-1.00
i-Butane	0.36	2.86	0.59	2.18
Butene	0.00	0.00	0.00	0.00
n-Butane	0.26	2.65	0.33	2.64
neo-C5	0.03	0.11	0.11	0.13
? RI= 423	-1.00	-1.00	-1.00	-1.00
i-Pentane	0.09	1.24	0.13	1.09
? RI= 488	-1.00	-1.00	-1.00	-1.00
n-Pentane	0.03	0.44	0.03	0.52
? RI= 508	-1.00	-1.00	-1.00	-1.00
? RI= 519	-1.00	-1.00	-1.00	-1.00
neoC6?	0.02	0.14	0.05	0.15
cyclo-C5	0.00	0.00	0.00	0.00
2,3-diMeC4	0.00	0.08	0.00	0.08
2-MeC5	0.02	0.20	0.02	0.26
3-MeC5	0.00	0.13	0.00	0.16
n-Hexane	0.00	0.10	0.00	0.15
neo-C7	0.00	0.00	0.00	0.00
MeCyC5	0.00	0.06	0.00	0.09
2,4-diMeC5	0.00	0.00	0.00	0.00
triMeC4	0.00	0.00	0.00	0.00
Benzene	0.00	0.00	0.00	0.00
3,3-diMeC5	0.00	0.00	0.00	0.00
CyC6	0.00	0.15	0.00	0.19
2-MeC6	0.00	0.00	0.00	0.00
2,3-diMeC5	0.00	0.00	0.00	0.00
? RI= 672	0.00	0.00	0.00	0.00
3-MeC6	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00
diMeCyC5	0.00	0.00	0.00	0.00
n-Heptane	0.00	0.00	0.00	0.00
MecyC6	0.02	0.13	0.03	0.24
? RI= 726	0.00	0.00	0.00	0.00
2,5-diMeC6	0.00	0.00	0.00	0.00
2,4-diMeC6	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00
Toluene	0.00	0.00	0.00	0.00
triMeCyC5	0.00	0.00	0.00	0.00
3Et2MeC5	0.00	0.00	0.00	0.00
2-MeC7	0.00	0.00	0.00	0.00
4-MeC7	0.00	0.00	0.00	0.00
3,4-diMeC6	0.00	0.00	0.00	0.00
3-MeC7	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00
? RI= 786	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00
diMeCyC6	0.00	0.00	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00
n-Octane	0.00	0.00	0.00	0.00
SUM:	100.0	100.0	100.0	100.0
Values used for normalisation:				
ppm (vol)	10608.9	2435.3	7944.5	1909.7