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GEOCHEMICAL DATA FOR SWCs
FROM WELL 7321/9-1 (HYDRO)

April 1989

CONTENTS

WELL 7321/9-1 SIDEWALL CORES

TABLES

1. Gross lithologic descriptions and organic carbon results
2. Organic carbon results
3. Standard pyrolysis results - 300°C, 180 secs - unextracted samples
4. Standard pyrolysis results - 300°C, 180 secs - extracted samples
5. Rockeval pyrolysis results - cycle 1 - unextracted samples
6. Rockeval pyrolysis results - cycle 1 - extracted samples
- 7a. Gas-oil index (1), extracted samples
- 7b. Gas-oil index (2), extracted samples
8. Kerogen type and maturation
9. Kerogen composition
10. CHNOS analysis
11. Atomic ratios
12. Detailed gasoline (C₄-C₇) analysis - peak areas
- 13a. TCT (C₄-C₂₀) normalised percentages (1)
- 13b. TCT (C₄-C₂₀) normalised percentages (2)
14. Concentration (ppm) of extracted C₁₅₊ material
15. Composition (norm. %) of C₁₅₊ material
16. Significant ratios (%) of C₁₅₊ fractions and organic carbon
17. Composition (norm. %) of C₁₅₊ saturated hydrocarbons
18. Carbon isotope compositions

FIGURES

1. C₄-C₇ chromatograms
2. Programmed pyrolysis-GC, extracted samples
3. C₁₅₊ paraffin-naphthene chromatograms
4. C₄-C₂₀ chromatograms

TABLE 1
ORGANIC CARBON RESULTS AND GROSS LITHOLOGIC DESCRIPTIONS

JOB 1947	DEPTH/ IDENTITY	GROSS LITHOLOGIC DESCRIPTION	G S A COLOUR CODE	TOTAL ORGANIC CARBON (Wt. % of Rock)
1947-001	950.0m	A100% SHALY MUDSTONE - fine grained, subfissile, mod soft, very slightly calcareous, olive grey.	5Y4/1	1.44
1947-002	955.0m	A100% SHALY MUDSTONE - as 1947-001A, olive grey.	5Y4/1	1.59
1947-003	960.0m	A100% SHALY MUDSTONE - as 1947-001A, olive grey.	5Y4/1	2.73
1947-004	962.5m	A100% SHALY MUDSTONE - as 1947-001A, olive grey.	5Y4/1	4.83
1947-005	965.0m	A100% SHALY MUDSTONE - fine grained, subfissile, mod soft, occasionally slightly calcareous, olive grey.	5Y4/1	4.45, 4.49
1947-006	967.0m	A100% SHALY MUDSTONE - as 1947-005A, olive grey.	5Y4/1	5.96
1947-007	970.0m	A100% SHALY MUDSTONE - as 1947-005A, olive grey.	5Y4/1	3.70
1947-008	974.0m	A100% SHALY MUDSTONE - as 1947-005A, olive grey.	5Y4/1	5.49
1947-009	975.5m	A100% SHALY MUDSTONE - fine grained, subfissile - subblocky, mod soft - mod hard, non calcareous, olive grey.	5Y4/1	5.04, 5.08
1947-010	977.0m	A100% SHALY MUDSTONE - as 1947-009A, olive grey.	5Y4/1	4.51
1947-011	979.0m	A100% SHALY MUDSTONE - as 1947-009A, olive grey.	5Y4/1	5.89
1947-012	982.0m	A100% SHALY MUDSTONE - as 1947-009A, olive grey.	5Y4/1	1.80
1947-013	984.0m	A100% SHALY MUDSTONE - fine grained, subfissile, mod soft, mod calcareous - slightly calcareous, olive grey to olive black.	5Y4/1 - 5Y2/1	9.66
1947-014	985.0m	A100% SHALY MUDSTONE - as 1947-013A, olive grey to olive black.	5Y4/1 - 5Y2/1	2.36, 2.33
1947-015	987.0m	A100% SHALY MUDSTONE - fine grained, subfissile, mod soft, slightly calcareous, olive grey.	5Y4/1	2.17

WELL: 7321/9-1 SWCs

TABLE 1
ORGANIC CARBON RESULTS AND GROSS LITHOLOGIC DESCRIPTIONS

JOB 1947 GEOCHEM SAMPLE NUMBER	DEPTH/ IDENTITY	GROSS LITHOLOGIC DESCRIPTION	G S A COLOUR CODE	TOTAL ORGANIC CARBON (Wt.% of Rock)
1947-016	990.0m	A100% SHALY MUDSTONE - as 1947-015A, olive grey.	5Y4/1	1.33
1947-017	995.0m	A100% SHALY MUDSTONE - as 1947-015A, olive grey.	5Y4/1	1.55
1947-018	1000.0m	A100% SHALY MUDSTONE - as 1947-015A, olive grey.	5Y4/1	1.52
1947-019	1300.0m	A 98% SHALY MUDSTONE - fine grained, 25bfissile - fissile, mod soft, occasionally very slightly calcareous, olive grey to olive black. B 2% Minor silty mudstone.	5Y4/1 - 5Y2/1	3.06, 3.08
1947-020	1302.5m	A100% SHALY MUDSTONE - as 1947-019A, olive grey to olive black.	5Y4/1 - 5Y2/1	4.70
1947-021	1305.0m	A 98% SHALY MUDSTONE - fine grained, subfissile, soft - mod soft, non calcareous, olive black. B 2% Minor silty mudstone.	5Y2/1	4.58
1947-022	1307.0m	A 95% SHALY MUDSTONE - fine grained, subfissile - blocky, mod soft - mod hard, occasionally moderately calcareous, dark yellowish brown. B 5% SHALY MUDSTONE - fine grained, subfissile, mod soft, non calcareous, medium dark grey.	10YR4/2 N4	3.41, 3.41 1.29
1947-023	1308.0m	A100% SHALY MUDSTONE - fine grained, subfissile - subblocky, mod soft - mod hard, calcareous - moderately calcareous, occ slightly silty, light olive grey to medium grey.	5Y6/1 - N5	0.66
1947-024	1311.0m	A100% SHALY MUDSTONE - as 1947-023A, light olive grey to medium grey.	5Y6/1 - N5	0.21, 0.22
1947-025	1313.0m	A100% SHALY MUDSTONE - fine grained, subfissile, mod soft - mod hard, slightly calcareous, light olive grey to light grey.	5Y6/1 - N7	0.18, 0.18
1947-026	1315.0m	A100% SHALY MUDSTONE - fine grained, fissile - subfissile, mod soft, slightly calcareous, olive grey.	5Y4/1	0.16, 0.16
1947-027	1316.0m	A100% SHALY MUDSTONE - as 1947-026A, light olive grey.	5Y6/1	0.25, 0.25

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

JOB 1947 GEOCHEM SAMPLE NUMBER	DEPTH/ IDENTITY	GROSS LITHOLOGIC DESCRIPTION	G S A COLOUR CODE	TOTAL ORGANIC CARBON (Wt.% of Rock)
1947-028	1320.0m	A100% SHALY MUDSTONE - fine grained, fissile - subfissile, mod soft, occasionally slightly calcareous, light olive grey to olive grey.	5Y6/1 - 5Y4/1	2.27
1947-029	1322.0m	A100% SHALY MUDSTONE - as 1947-028A, light olive grey to olive grey.	5Y6/1 - 5Y4/1	2.27
1947-030	1325.0m	A100% SHALY MUDSTONE - as 1947-028A, light olive grey to olive grey.	5Y6/1 - 5Y4/1	2.34
1947-031	1328.0m	A100% SHALY MUDSTONE - as 1947-028A, light olive grey to olive grey.	5Y6/1 - 5Y4/1	1.98
1947-032	1330.0m	A100% SHALY MUDSTONE - fine grained, fissile, mod soft, occasionally very slightly calcareous, olive grey.	5Y4/1	2.10
1947-033	1333.0m	A100% SHALY MUDSTONE - as 1947-032A, olive grey.	5Y4/1	2.77, 2.79
1947-034	1336.0m	A100% SHALY MUDSTONE - as 1947-032A, olive grey.	5Y4/1	3.44
1947-035	1339.0m	A100% SHALY MUDSTONE - as 1947-032A, olive grey.	5Y4/1	3.76
1947-036	1342.0m	A100% SHALY MUDSTONE - fine grained, fissile, mod soft, occasionally slightly calcareous, olive grey to dark grey.	5Y4/1 - N3	2.87
1947-037	1344.0m	A100% SHALY MUDSTONE - as 1947-036A, olive grey to dark grey.	5Y4/1 - N3	2.92
1947-038	1347.0m	A100% SHALY MUDSTONE - as 1947-036A, olive grey to dark grey.	5Y4/1 - N3	2.82, 2.81
1947-039	1350.0m	A100% SHALY MUDSTONE - as 1947-036A, olive grey to dark grey.	5Y4/1 - N3	3.01
1947-040	1352.0m	A100% SHALY MUDSTONE - fine grained, subfissile, mod soft - mod hard, non calcareous, dark grey to olive black.	N3 - 5Y2/1	1.17
1947-041	1355.0m	A100% SHALY MUDSTONE - as 1947-040A, dark grey to olive black.	N3 - 5Y2/1	5.36, 5.45

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

JOB 1947				
GEOCHEM SAMPLE NUMBER	DEPTH/ IDENTITY	GROSS LITHOLOGIC DESCRIPTION	G S A COLOUR CODE	TOTAL ORGANIC CARBON (Wt.% of Rock)
1947-042	1356.0m	A100% SHALY MUDSTONE - fine grained, subfissile, mod soft, non calcareous, olive grey to dark grey	5Y4/1 - N3	3.76
1947-043	1360.0m	A100% SHALY MUDSTONE - as 1947-042A, olive grey to dark grey.	5Y4/1 - N3	1.31
1947-044	1362.0m	A100% SHALY MUDSTONE - as 1947-042A, olive grey to dark grey.	5Y4/1 - N3	1.33

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

TABLE 2
TOTAL ORGANIC CARBON

JOB 1947 GEOCHEM SAMPLE NUMBER	DEPTH/ IDENTITY	TOC			EXTRACTED TOC		
		TOC (%)	REPEAT TOC (%)	AVERAGE TOC (%)	TOC (%)	REPEAT TOC (%)	AVERAGE TOC (%)

WELL: 7321/9-1 SWCs

1947-001A	950.0m	1.44		1.44	1.40		1.40
1947-002A	955.0m	1.59		1.59	1.56		1.56
1947-003A	960.0m	2.73		2.73	2.08		2.08
1947-004A	962.5m	4.83		4.83	4.38		4.38
1947-005A	965.0m	4.45	4.49	4.47	3.43	3.59	3.51
1947-006A	967.0m	5.96		5.96	5.16		5.16
1947-007A	970.0m	3.70		3.70	3.27		3.27
1947-008A	974.0m	5.49		5.49	4.65		4.65
1947-009A	975.5m	5.04	5.08	5.06	4.58		4.58
1947-010A	977.0m	4.51		4.51	4.13	4.07	4.10
1947-011A	979.0m	5.89		5.89	5.01		5.01
1947-012A	982.0m	1.80		1.80	1.76		1.76
1947-013A	984.0m	9.66		9.66	8.72		8.72
1947-014A	985.0m	2.36	2.33	2.35	1.86		1.86
1947-015A	987.0m	2.17		2.17	2.10	2.13	2.12
1947-016A	990.0m	1.33		1.33	1.21		1.21
1947-017A	995.0m	1.55		1.55	1.33		1.33
1947-018A	1000.0m	1.52		1.52	1.43		1.43
1947-019A	1300.0m	3.06	3.08	3.07	2.87		2.87
1947-020A	1302.5m	4.70		4.70	4.46	4.42	4.44
1947-021A	1305.0m	4.58		4.58	4.36		4.36
1947-022A	1307.0m	3.41		3.41	2.71	2.69	2.70
1947-022B	1307.0m	1.29		1.29			
1947-023A	1308.0m	0.66		0.66	0.64		0.64
1947-024A	1311.0m	0.21	0.22	0.22	0.14	0.14	0.14
1947-025A	1313.0m	0.18	0.18	0.18	0.16		0.16
1947-026A	1315.0m	0.16	0.16	0.16	0.25	0.25	0.25
1947-027A	1316.0m	0.25	0.25	0.25	0.27	0.27	0.27
1947-028A	1320.0m	2.27		2.27	1.98		1.98
1947-029A	1322.0m	2.27		2.27	1.92		1.92
1947-030A	1325.0m	2.34		2.34	2.15		2.15
1947-031A	1328.0m	1.98		1.98	1.76		1.76
1947-032A	1330.0m	2.10		2.10	1.80		1.80
1947-033A	1333.0m	2.77	2.79	2.78	2.53	2.51	2.52
1947-034A	1336.0m	3.44		3.44	3.17		3.17
1947-035A	1339.0m	3.76		3.76	3.58		3.58
1947-036A	1342.0m	2.87		2.87	2.71		2.71
1947-037A	1344.0m	2.92		2.92	2.64		2.64
1947-038A	1347.0m	2.82	2.81	2.82	2.66	2.57	2.62
1947-039A	1350.0m	3.01		3.01	2.70		2.70
1947-040A	1352.0m	1.17		1.17	0.69		0.69
1947-041A	1355.0m	5.36	5.45	5.41	2.85	2.90	2.88
1947-042A	1356.0m	3.76		3.76	3.54		3.54
1947-043A	1360.0m	1.31		1.31	0.93	0.95	0.94
1947-044A	1362.0m	1.33		1.33	1.29		1.29

TABLE 3
STANDARD PYROLYSIS DATA

JOB 1947								
GEOCHEM SAMPLE NUMBER	DEPTH/ IDENTITY	ORGANIC CARBON (%)	S0 (mg/g)	S1 (mg/g)	S2 (mg/g)	PRODUCTION INDEX	HYDROGEN INDEX	TMAX (°C)

WELL: 7321/9-1 SWCs

1947-001A	950.0m	1.44	0.07	0.44	1.58	0.21	109.7	439
1947-002A	955.0m	1.59	0.08	0.59	2.24	0.20	140.9	437
1947-003A	960.0m	2.73	0.09	2.70	8.43	0.24	308.8	430
1947-004A	962.5m	4.83	0.08	2.70	22.54	0.11	466.7	426
1947-005A	965.0m	4.47	0.12	6.77	17.65	0.28	394.9	430
1947-006A	967.0m	5.96	0.06	6.57	22.85	0.22	383.4	428
1947-007A	970.0m	3.70	0.05	4.02	14.72	0.21	397.8	428
1947-008A	974.0m	5.49	0.03	4.88	32.48	0.13	591.6	430
1947-009A	975.5m	5.06	0.19	8.15	29.44	0.22	581.8	429
1947-010A	977.0m	4.51	0.02	2.53	23.57	0.10	522.6	423
1947-011A	979.0m	5.89	0.02	6.62	28.63	0.19	486.1	429
1947-012A	982.0m	1.80	0.03	0.74	3.07	0.19	170.6	435
1947-013A	984.0m	9.66	0.06	9.57	64.82	0.13	671.0	427
1947-014A	985.0m	2.35	0.05	2.66	6.79	0.28	288.9	429
1947-015A	987.0m	2.17	0.02	1.21	4.38	0.22	201.8	432
1947-016A	990.0m	1.33	0.05	0.53	2.11	0.20	158.6	435
1947-017A	995.0m	1.55	0.04	1.49	2.63	0.36	169.7	431
1947-018A	1000.0m	1.52	0.04	0.69	2.50	0.21	164.5	434
1947-019A	1300.0m	3.07	0.08	0.68	3.10	0.18	101.0	443
1947-020A	1302.5m	4.70	0.15	0.94	4.28	0.18	91.1	443
1947-021A	1305.0m	4.58	0.11	1.00	4.11	0.19	89.7	428
1947-022A	1307.0m	3.41	0.04	0.16	0.26	0.35	7.6	434
1947-022B	1307.0m	1.29	0.09	0.43	0.67	0.36	51.9	428
1947-023A	1308.0m	0.66	0.03	0.17	0.21	0.41	31.8	434
1947-024A	1311.0m	0.22	0.01	0.13	0.38	0.25	172.7	445
1947-025A	1313.0m	0.18	0.02	0.09	0.07	0.50	38.9	372
1947-026A	1315.0m	0.16	0.02	0.19	0.06	0.70	37.5	428
1947-027A	1316.0m	0.25	0.03	0.24	0.12	0.62	48.0	438
1947-028A	1320.0m	2.27	0.04	1.88	5.16	0.27	227.3	442
1947-029A	1322.0m	2.27	0.02	1.35	4.93	0.21	217.2	433
1947-030A	1325.0m	2.34	0.01	1.53	5.89	0.21	251.7	437
1947-031A	1328.0m	1.98	0.01	1.05	3.86	0.21	194.9	437
1947-032A	1330.0m	2.10	0.03	1.11	4.40	0.20	209.5	435
1947-033A	1333.0m	2.78	0.04	2.47	7.34	0.25	264.0	429
1947-034A	1336.0m	3.44	0.02	2.34	8.61	0.21	250.3	427
1947-035A	1339.0m	3.76	0.04	2.73	12.46	0.18	331.4	444
1947-036A	1342.0m	2.87	0.08	1.71	6.27	0.21	218.5	428
1947-037A	1344.0m	2.92	0.02	1.01	6.09	0.14	208.6	439
1947-038A	1347.0m	2.82	0.17	2.12	6.25	0.25	221.6	443
1947-039A	1350.0m	3.01	0.03	1.64	7.95	0.17	264.1	431
1947-040A	1352.0m	1.17	0.07	0.61	2.13	0.22	182.1	433
1947-041A	1355.0m	5.41	0.25	4.21	13.41	0.24	247.9	443
1947-042A	1356.0m	3.76	0.02	2.59	11.39	0.19	302.9	440
1947-043A	1360.0m	1.31	0.05	0.49	1.23	0.28	93.9	431
1947-044A	1362.0m	1.33	0.06	0.33	1.57	0.17	118.0	446

UNEXTRACTED SAMPLES

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
STANDARD PYROLYSIS DATA

JOB 1947								
GEOCHEM SAMPLE NUMBER	DEPTH/ IDENTITY	ORGANIC CARBON (%)	S0 (mg/g)	S1 (mg/g)	S2 (mg/g)	PRODUCTION INDEX	HYDROGEN INDEX	TMAX (°C)
1947-001A	950.0m	1.40	0.08	0.18	1.76	0.09	125.7	441
1947-002A	955.0m	1.56	0.12	0.22	2.10	0.09	134.6	424
1947-003A	960.0m	2.08	0.01	0.10	3.98	0.02	191.3	429
1947-004A	962.5m	4.38	0.24	0.41	18.55	0.02	423.5	425
1947-005A	965.0m	3.51	0.15	0.40	12.86	0.03	366.4	432
1947-006A	967.0m	5.16	0.15	0.42	15.02	0.03	291.1	426
1947-007A	970.0m	3.27	0.05	0.44	10.52	0.04	321.7	430
1947-008A	974.0m	4.65	0.28	0.32	24.93	0.01	536.1	430
1947-009A	975.5m	4.58	0.28	0.34	22.03	0.02	481.0	433
1947-010A	977.0m	4.10	0.15	0.37	18.73	0.02	456.8	423
1947-011A	979.0m	5.01	0.19	0.60	20.00	0.03	399.2	428
1947-012A	982.0m	1.76	0.11	0.47	2.49	0.15	141.5	436
1947-013A	984.0m	8.72	0.16	1.00	55.09	0.02	631.8	421
1947-014A	985.0m	1.86	0.05	0.15	2.51	0.06	134.9	438
1947-015A	987.0m	2.12	0.20	0.84	3.27	0.19	154.2	432
1947-016A	990.0m	1.21	0.04	0.13	1.75	0.07	144.6	434
1947-017A	995.0m	1.33	0.03	0.11	1.80	0.06	135.3	436
1947-018A	1000.0m	1.43	0.06	0.14	1.94	0.07	135.7	436
1947-019A	1300.0m	2.87	0.09	0.18	2.50	0.07	87.1	443
1947-020A	1302.5m	4.44	0.31	0.29	3.57	0.07	80.4	440
1947-021A	1305.0m	4.36	0.13	0.21	3.87	0.05	88.8	444
1947-022A	1307.0m	2.70	0.03	0.11	0.21	0.31	7.8	452
1947-023A	1308.0m	0.64	0.11	0.19	0.19	0.39	29.7	456
1947-024A	1311.0m	0.14	0.02	0.03	0.16	0.14	114.3	451
1947-025A	1313.0m	0.16	0.02	0.05	0.07	0.36	43.8	508
1947-026A	1315.0m	0.25	0.03	0.08	0.06	0.47	24.0	435
1947-027A	1316.0m	0.27	0.01	0.05	0.03	0.56	11.1	437
1947-028A	1320.0m	1.98	0.09	0.32	4.43	0.07	223.7	438
1947-029A	1322.0m	1.92	0.08	0.23	3.55	0.06	184.9	436
1947-030A	1325.0m	2.15	0.11	0.45	4.78	0.08	222.3	438
1947-031A	1328.0m	1.76	0.12	0.41	2.85	0.12	161.9	438
1947-032A	1330.0m	1.80	0.08	0.18	3.49	0.05	193.9	442
1947-033A	1333.0m	2.52	0.20	0.36	5.64	0.06	223.8	430
1947-034A	1336.0m	3.17	0.06	0.58	6.60	0.08	208.2	436
1947-035A	1339.0m	3.58	0.13	0.95	8.71	0.10	243.3	441
1947-036A	1342.0m	2.71	0.07	0.12	5.50	0.02	203.0	444
1947-037A	1344.0m	2.64	0.15	0.43	4.80	0.08	181.8	435
1947-038A	1347.0m	2.62	0.16	0.23	5.02	0.04	191.6	442
1947-039A	1350.0m	2.70	0.06	0.18	5.10	0.03	188.9	436
1947-040A	1352.0m	0.69	0.02	0.33	1.02	0.24	147.8	437
1947-041A	1355.0m	2.88	0.09	0.20	6.25	0.03	217.0	442
1947-042A	1356.0m	3.54	0.07	0.50	9.19	0.05	259.6	438
1947-043A	1360.0m	0.94	0.29	0.13	0.55	0.13	58.5	434
1947-044A	1362.0m	1.29	0.08	0.29	1.45	0.16	112.4	440

EXTRACTED SAMPLES

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 5
ROCKEVAL PYROLYSIS DATA

JOB 1947									
GEOCHEM SAMPLE NUMBER	DEPTH/ IDENTITY	TOC (%)	S1 (mg/g)	S2 (mg/g)	S3 (mg/g)	PRODUCTION INDEX	HYDROGEN INDEX	OXYGEN INDEX	TMAX (°C)
1947-001A	950.0m	1.44	0.81	2.09	1.47	0.28	145.1	102.1	438
1947-002A	955.0m	1.59	0.82	2.20	1.22	0.27	138.4	76.7	437
1947-003A	960.0m	2.73	2.77	9.21	0.98	0.23	337.4	35.9	431
1947-004A	962.5m	4.83	3.39	21.84	0.86	0.13	452.2	17.8	428
1947-005A	965.0m	4.47	6.45	17.66	1.24	0.27	395.1	27.7	431
1947-006A	967.0m	5.96	6.54	22.30	1.20	0.23	374.2	20.1	425
1947-007A	970.0m	3.70	4.09	14.84	1.27	0.22	401.1	34.3	432
1947-008A	974.0m	5.49	5.49	32.21	1.49	0.15	586.7	27.1	431
1947-009A	975.5m	5.06	7.33	25.49	1.25	0.22	503.8	24.7	432
1947-010A	977.0m	4.51	2.98	23.59	1.61	0.11	523.1	35.7	432
1947-011A	979.0m	5.89	6.06	26.92	1.79	0.18	457.0	30.4	428
1947-012A	982.0m	1.80	1.13	3.36	2.03	0.25	186.7	112.8	440
1947-013A	984.0m	9.66	9.05	57.28	2.86	0.14	593.0	29.6	428
1947-014A	985.0m	2.35	2.86	7.81	3.30	0.27	332.3	140.4	433
1947-015A	987.0m	2.17	1.81	4.80	2.25	0.27	221.2	103.7	437
1947-016A	990.0m	1.33	0.81	2.16	1.94	0.27	162.4	145.9	439
1947-017A	995.0m	1.55	1.82	2.64	2.22	0.41	170.3	143.2	437
1947-018A	1000.0m	1.52	1.10	2.47	3.39	0.31	162.5	223.0	439
1947-019A	1300.0m	3.07	1.13	2.99	2.72	0.27	97.4	88.6	444
1947-020A	1302.5m	4.70	1.28	4.22	1.05	0.23	89.8	22.3	444
1947-021A	1305.0m	4.58	1.77	3.86	1.38	0.31	84.3	30.1	440
1947-022A	1307.0m	3.41	0.21	0.12	1.25	0.64	3.5	36.7	488
1947-023A	1308.0m	0.66	0.24	0.11	0.87	0.69	16.7	131.8	442
1947-024A	1311.0m	0.22	0.27	0.36	1.08	0.43	163.6	490.9	428
1947-025A	1313.0m	0.18	0.24	0.09	0.94	0.73	50.0	522.2	374
1947-026A	1315.0m	0.16	0.09	0.07	0.88	0.56	43.8	550.0	323
1947-027A	1316.0m	0.25	0.42	0.13	0.92	0.76	52.0	368.0	317
1947-028A	1320.0m	2.27	2.89	7.79	0.65	0.27	343.2	28.6	438
1947-029A	1322.0m	2.27	2.36	5.59	1.27	0.30	246.3	55.9	441
1947-030A	1325.0m	2.34	2.26	7.40	1.35	0.23	316.2	57.7	441
1947-031A	1328.0m	1.98	1.77	4.15	0.64	0.30	209.6	32.3	441
1947-032A	1330.0m	2.10	2.43	5.78	0.67	0.30	275.2	31.9	442
1947-033A	1333.0m	2.78	2.88	8.11	0.65	0.26	291.7	23.4	442
1947-034A	1336.0m	3.44	3.21	10.15	0.88	0.24	295.1	25.6	441
1947-035A	1339.0m	3.76	2.84	12.53	1.00	0.18	333.2	26.6	442
1947-036A	1342.0m	2.87	2.26	6.83	0.88	0.25	238.0	30.7	443
1947-037A	1344.0m	2.92	2.09	7.79	0.76	0.21	266.8	26.0	441
1947-038A	1347.0m	2.82	2.45	6.82	0.83	0.26	241.8	29.4	444
1947-039A	1350.0m	3.01	2.69	8.91	1.41	0.23	296.0	46.8	442
1947-040A	1352.0m	1.17	0.62	1.96	0.73	0.24	167.5	62.4	445
1947-041A	1355.0m	5.41	5.55	17.69	1.41	0.24	327.0	26.1	446
1947-042A	1356.0m	3.76	3.77	14.41	0.84	0.21	383.2	22.3	444
1947-043A	1360.0m	1.31	0.40	0.12	0.32	0.77	9.2	24.4	436
1947-044A	1362.0m	1.33	1.02	1.91	1.60	0.35	143.6	120.3	443

UNEXTRACTED SAMPLES

PRODUCTION INDEX = S1 / (S1 + S2)
OXYGEN INDEX = 100 x S3 / TOC

HYDROGEN INDEX = 100 x S2 / TOC

TABLE 6
ROCKEVAL PYROLYSIS DATA

JOB 1947									
GEOCHEM SAMPLE NUMBER	DEPTH/ IDENTITY	TOC (%)	S1 (mg/g)	S2 (mg/g)	S3 (mg/g)	PRODUCTION INDEX	HYDROGEN INDEX	OXYGEN INDEX	TMAX (°C)
1947-001A	950.0m	1.40	0.29	2.11	1.32	0.12	150.7	94.3	439
1947-002A	955.0m	1.56	0.40	2.16	1.00	0.16	138.5	64.1	435
1947-003A	960.0m	2.08	0.25	4.12	0.87	0.06	198.1	41.8	432
1947-004A	962.5m	4.38	0.76	18.26	0.67	0.04	416.9	15.3	428
1947-005A	965.0m	3.51	0.34	13.48	0.82	0.02	384.0	23.4	433
1947-006A	967.0m	5.16	0.68	15.50	0.75	0.04	300.4	14.5	427
1947-007A	970.0m	3.27	0.92	10.43	0.48	0.08	319.0	14.7	432
1947-008A	974.0m	4.65	0.43	22.78	0.61	0.02	489.9	13.1	433
1947-009A	975.5m	4.58	0.36	22.81	0.47	0.02	498.0	10.3	436
1947-010A	977.0m	4.10	0.59	17.60	0.78	0.03	429.3	19.0	434
1947-011A	979.0m	5.01	0.61	16.34	1.03	0.04	326.1	20.6	431
1947-012A	982.0m	1.76	0.93	3.03	1.03	0.23	172.2	58.5	437
1947-013A	984.0m	8.72	1.58	48.69	1.58	0.03	558.4	18.1	429
1947-014A	985.0m	1.86	0.26	2.64	1.43	0.09	141.9	76.9	439
1947-015A	987.0m	2.12	0.99	2.32	0.73	0.30	109.4	34.4	437
1947-016A	990.0m	1.21	0.43	1.77	1.24	0.20	146.3	102.5	438
1947-017A	995.0m	1.33	0.32	2.00	1.20	0.14	150.4	90.2	437
1947-018A	1000.0m	1.43	0.22	1.93	2.91	0.10	135.0	203.5	440
1947-019A	1300.0m	2.87	0.40	3.40	2.01	0.11	118.5	70.0	445
1947-020A	1302.5m	4.44	0.49	4.36	0.52	0.10	98.2	11.7	443
1947-021A	1305.0m	4.36	0.42	4.55	0.59	0.08	104.4	13.5	443
1947-022A	1307.0m	2.70	0.11	0.26	0.92	0.30	9.6	34.1	457
1947-023A	1308.0m	0.64	0.15	0.24	0.65	0.38	37.5	101.6	437
1947-024A	1311.0m	0.14	0.08	0.09	0.63	0.47	64.3	450.0	405
1947-025A	1313.0m	0.16	0.09	0.06	0.60	0.60	37.5	375.0	298
1947-026A	1315.0m	0.25	0.13	0.10	0.69	0.57	40.0	276.0	377
1947-027A	1316.0m	0.27	0.15	0.21	0.42	0.42	77.8	155.6	430
1947-028A	1320.0m	1.98	0.28	4.10	0.35	0.06	207.1	17.7	441
1947-029A	1322.0m	1.92	0.24	3.60	0.44	0.06	187.5	22.9	442
1947-030A	1325.0m	2.15	0.44	5.52	0.53	0.07	256.7	24.7	442
1947-031A	1328.0m	1.76	0.23	2.54	0.52	0.08	144.3	29.5	443
1947-032A	1330.0m	1.80	0.16	4.00	0.39	0.04	222.2	21.7	444
1947-033A	1333.0m	2.52	0.58	5.30	0.47	0.10	210.3	18.7	442
1947-034A	1336.0m	3.17	0.74	7.65	0.55	0.09	241.3	17.4	442
1947-035A	1339.0m	3.58	1.94	10.04	1.12	0.16	280.4	31.3	441
1947-036A	1342.0m	2.71	0.23	4.62	0.62	0.05	170.5	22.9	447
1947-037A	1344.0m	2.64	0.32	5.73	0.48	0.05	217.0	18.2	441
1947-038A	1347.0m	2.62	0.30	5.81	0.49	0.05	221.8	18.7	446
1947-039A	1350.0m	2.70	0.36	5.72	0.51	0.06	211.9	18.9	442
1947-040A	1352.0m	0.69	0.13	1.08	0.74	0.11	156.5	107.2	443
1947-041A	1355.0m	2.88	0.25	7.03	0.77	0.03	244.1	26.7	447
1947-042A	1356.0m	3.54	0.80	10.93	0.64	0.07	308.8	18.1	445
1947-043A	1360.0m	0.94	0.13	0.50	0.55	0.21	53.2	58.5	437
1947-044A	1362.0m	1.29	0.27	1.43	0.58	0.16	110.9	45.0	445

EXTRACTED SAMPLES

PRODUCTION INDEX = S1 / (S1 + S2)
OXYGEN INDEX = 100 x S3 / TOC

HYDROGEN INDEX = 100 x S2 / TOC

TABLE 7a
PYROLYSIS-GC GAS-OIL INDICES

JOB 1947	DEPTH/ IDENTITY	%	%	%	%	%	INDICES		
GEOCHEM SAMPLE NUMBER							C1	C2-C5	C6-C14

WELL: 7321/9-1 SWCs

1947-001A	950.0m	15.55	33.25	50.16	0.92	0.12	2.15	0.19	48.80
1947-002A	955.0m	15.36	40.00	42.41	2.06	0.17	2.17	0.27	55.36
1947-003A	960.0m	5.24	32.80	51.51	9.80	0.66	1.15	0.21	38.04
1947-004A	962.5m	6.23	31.74	50.90	10.44	0.70	0.99	0.18	37.97
1947-005A	965.0m	5.99	32.05	51.75	9.55	0.66	0.98	0.21	38.04
1947-006A	967.0m	6.09	31.62	50.42	11.16	0.70	0.95	0.18	37.71
1947-007A	970.0m	7.83	31.31	53.87	6.51	0.49	1.26	0.18	39.14
1947-008A	974.0m	6.27	29.74	51.16	12.15	0.67	0.93	0.23	36.01
1947-009A	975.5m	6.79	31.96	48.84	11.67	0.74	0.86	0.21	38.75
1947-010A	977.0m	7.46	32.77	49.53	9.64	0.60	1.09	0.20	40.23
1947-011A	979.0m	6.84	25.78	52.42	14.26	0.70	0.97	0.18	32.62
1947-012A	982.0m	28.73	19.81	45.37	5.65	0.44	1.27	0.23	48.54
1947-013A	984.0m	7.41	30.74	50.43	10.88	0.53	0.64	0.19	38.15
1947-014A	985.0m	6.95	30.85	48.87	12.43	0.90	0.95	0.16	37.80
1947-015A	987.0m	12.14	30.96	48.05	8.26	0.59	1.14	0.34	43.10
1947-016A	990.0m	11.58	37.66	45.41	4.90	0.45	1.46	0.25	49.24
1947-017A	995.0m	13.42	42.88	40.81	2.58	0.31	1.62	0.15	56.30
1947-018A	1000.0m	17.65	42.04	38.01	2.06	0.24	1.95	0.16	59.69
1947-019A	1300.0m	12.55	28.30	43.20	15.04	0.91	1.62	0.15	40.85
1947-020A	1302.5m	18.78	38.94	36.42	5.38	0.48	1.96	0.16	57.72
1947-021A	1305.0m	32.04	22.69	38.75	6.00	0.52	2.21	0.20	54.73
1947-022A	1307.0m	5.66	61.37	32.97	0.00	0.00	6.95	0.06	67.03
1947-023A	1308.0m	25.61	48.24	26.16	0.00	0.00	9.09	0.06	73.85
1947-024A	1311.0m	16.84	56.47	26.68	0.00	0.00	2.98	0.07	73.31
1947-025A	1313.0m	15.81	64.86	19.33	0.00	0.00	4.97	0.00	80.67
1947-026A	1315.0m	14.75	57.61	27.64	0.00	0.00	6.00	0.05	72.36
1947-027A	1316.0m	15.26	55.45	29.29	0.00	0.00	2.31	0.03	70.71
1947-028A	1320.0m	13.34	24.70	52.03	9.18	0.75	0.72	0.13	38.04
1947-029A	1322.0m	8.29	42.90	46.11	2.51	0.20	1.16	0.18	51.19
1947-030A	1325.0m	10.44	43.78	44.09	1.57	0.12	1.24	0.16	54.22
1947-031A	1328.0m	8.63	47.17	43.46	0.63	0.11	1.38	0.14	55.80
1947-032A	1330.0m	11.86	44.22	42.31	1.49	0.12	1.13	0.15	56.08

TABLE 7s
 PYROLYSIS-GC GAS-OIL INDICES

JOB 1947	DEPTH/ IDENTITY	% C1	% C2-C5	% C6-C14	% C15+	% nC17	INDICES		
GEOCHEM SAMPLE NUMBER							<u>TOLUENE</u> nC8	% PHENOL	% C1-C5
1947-033A	1333.Om	10.75	42.67	43.86	2.49	0.23	1.27	0.11	53.42
1947-034A	1336.Om	12.03	29.43	53.24	4.99	0.31	1.25	0.17	41.46
1947-035A	1339.Om	13.91	20.60	58.53	6.47	0.48	1.06	0.19	34.51
1947-036A	1342.Om	15.29	42.65	40.86	1.13	0.08	1.66	0.07	57.94
1947-037A	1344.Om	15.46	42.88	40.45	1.13	0.08	1.77	0.11	58.34
1947-038A	1347.Om	13.70	41.15	43.55	1.50	0.09	1.61	0.13	54.85
1947-039A	1350.Om	11.77	43.36	43.62	1.18	0.08	1.83	0.08	55.13
1947-040A	1352.Om	16.71	50.91	32.27	0.10	0.00	1.95	0.08	67.62
1947-041A	1355.Om	15.83	37.27	44.14	2.58	0.17	1.33	0.11	53.10
1947-042A	1356.Om	10.92	38.86	45.49	4.41	0.33	1.15	0.12	49.78
1947-043A	1360.Om	15.79	51.61	32.60	0.00	0.00	3.56	0.09	67.40
1947-044A	1362.Om	16.67	49.48	33.59	0.24	0.02	2.27	0.07	66.15

TABLE 7b
PYROLYSIS-GC GAS-OIL INDICES

JOB 1947	DEPTH/ IDENTITY	%	%	%	%	%	INDICES		
GEOCHEM SAMPLE NUMBER							C1	C2-C6	C7-C14

WELL: 7321/9-1 SWCs

1947-001A	950.0m	15.55	40.28	43.13	0.92	0.12	2.15	0.19	55.83
1947-002A	955.0m	15.36	50.34	32.07	2.06	0.17	2.17	0.27	65.70
1947-003A	960.0m	5.24	43.23	41.07	9.80	0.66	1.15	0.21	48.47
1947-004A	962.5m	6.23	39.94	42.69	10.44	0.70	0.99	0.18	46.17
1947-005A	965.0m	5.99	40.29	43.51	9.55	0.66	0.98	0.21	46.28
1947-006A	967.0m	6.09	39.56	42.48	11.16	0.70	0.95	0.18	45.65
1947-007A	970.0m	7.83	42.76	42.42	6.51	0.49	1.26	0.18	50.59
1947-008A	974.0m	6.27	39.57	41.33	12.15	0.67	0.93	0.23	45.84
1947-009A	975.5m	6.79	40.92	39.89	11.67	0.74	0.86	0.21	47.71
1947-010A	977.0m	7.46	41.15	41.15	9.64	0.60	1.09	0.20	48.61
1947-011A	979.0m	6.84	34.89	43.30	14.26	0.70	0.97	0.18	41.73
1947-012A	982.0m	28.73	27.86	37.31	5.65	0.44	1.27	0.23	56.59
1947-013A	984.0m	7.41	39.99	41.17	10.88	0.53	0.64	0.19	47.40
1947-014A	985.0m	6.95	40.84	38.89	12.43	0.90	0.95	0.16	47.79
1947-015A	987.0m	12.14	40.55	38.46	8.26	0.59	1.14	0.34	52.69
1947-016A	990.0m	11.58	47.59	35.48	4.90	0.45	1.46	0.25	59.17
1947-017A	995.0m	13.42	52.57	31.12	2.58	0.31	1.62	0.15	65.99
1947-018A	1000.0m	17.65	51.12	28.93	2.06	0.24	1.95	0.16	68.77
1947-019A	1300.0m	12.55	36.37	35.13	15.04	0.91	1.62	0.15	48.92
1947-020A	1302.5m	18.78	46.22	29.14	5.38	0.48	1.96	0.16	65.00
1947-021A	1305.0m	32.04	30.14	31.30	6.00	0.52	2.21	0.20	62.18
1947-022A	1307.0m	5.66	80.08	14.26	0.00	0.00	6.95	0.06	85.74
1947-023A	1308.0m	25.61	61.56	12.83	0.00	0.00	9.09	0.06	87.17
1947-024A	1311.0m	16.84	71.73	11.43	0.00	0.00	2.98	0.07	88.57
1947-025A	1313.0m	15.81	79.21	4.98	0.00	0.00	4.97	0.00	95.02
1947-026A	1315.0m	14.75	72.92	12.32	0.00	0.00	6.00	0.05	87.67
1947-027A	1316.0m	15.26	67.96	16.77	0.00	0.00	2.31	0.03	83.22
1947-028A	1320.0m	13.34	34.03	42.70	9.18	0.75	0.72	0.13	47.37
1947-029A	1322.0m	8.29	53.69	35.31	2.51	0.20	1.16	0.18	61.98
1947-030A	1325.0m	10.44	54.57	33.30	1.57	0.12	1.24	0.16	65.01
1947-031A	1328.0m	8.63	57.97	32.67	0.63	0.11	1.38	0.14	66.60
1947-032A	1330.0m	11.86	54.26	32.27	1.49	0.12	1.13	0.15	66.12

TABLE 7b
PYROLYSIS-GC GAS-OIL INDICES

JOB 1947	DEPTH/ IDENTITY	% C1	% C2-C6	% C7-C14	% C15+	% nC17	INDICES		
GEOCHEM SAMPLE NUMBER							<u>TOLUENE</u> nC8	% PHENOL	% C1-C6
1947-033A	1333.Om	10.75	53.27	33.26	2.49	0.23	1.27	0.11	64.02
1947-034A	1336.Om	12.03	40.83	41.84	4.99	0.31	1.25	0.17	52.86
1947-035A	1339.Om	13.91	31.87	47.26	6.47	0.48	1.06	0.19	45.78
1947-036A	1342.Om	15.29	52.98	30.53	1.13	0.08	1.66	0.07	68.27
1947-037A	1344.Om	15.46	54.76	28.57	1.13	0.08	1.77	0.11	70.22
1947-038A	1347.Om	13.70	51.70	33.00	1.50	0.09	1.61	0.13	65.40
1947-039A	1350.Om	11.77	55.31	31.67	1.18	0.08	1.83	0.08	67.08
1947-040A	1352.Om	16.71	63.50	19.69	0.10	0.00	1.95	0.08	80.21
1947-041A	1355.Om	15.83	47.46	33.96	2.58	0.17	1.33	0.11	63.29
1947-042A	1356.Om	10.92	49.14	35.20	4.41	0.33	1.15	0.12	60.06
1947-043A	1360.Om	15.79	64.18	20.03	0.00	0.00	3.56	0.09	79.97
1947-044A	1362.Om	16.67	62.05	21.02	0.24	0.02	2.27	0.07	78.72

TABLE 8
KEROGEN TYPE AND MATURATION

JOB 1947 GEOCHEM SAMPLE NUMBER	DEPTH/ IDENTITY	ORGANIC MATTER DESCRIPTION				THERMAL MATURATION	
		TYPES >35%; 10-35%; <10%	REMARKS	RE- WORKED (%)	PARTICLE SIZE	PRESEV- ATION	THERMAL ALTERATION INDEX

WELL: 7321/9-1 SWCs

1947-001A	950.0m	I;A1-W-H;Am			M	G	2 max	4 max
1947-002A	955.0m	-;I-W-A1-H;Am			F-M	F-G	2	4
1947-003A	960.0m	Al*;Am**-I;W-H	* (commonly) passing to amorphous ** often Al, commonly incompletely developed		F-M/C	G	2 max	4 max
1947-004A	962.5m	Al*-Am**;-;I-W-H	* commonly passing to amorphous ** often Al, includes incompletely developed material		F-C	G	2- to 2/2	3.9
1947-005A	965.0m	Al*;Am**;I-W-H	* as 004A **		F-C	G	2- to 2/2	3.9
1947-006A	967.0m	Al*;Am**;I-W-H	* as 004A **		F-M/C	G	2- to 2/2	3.9
1947-007A	970.0m	Am*-Al*;I-W;H	* includes Al passing to Am		F-M/C	G	2- to 2/2	3.9
1947-008A	974.0m	Al*;Am**;I-W-H	* as 004A **		F-C	G	2- to 2/2	3.9
1947-009A	975.5m	Al*-Am**;-;I-W-H	* as 004A **		F-C	G	2 max	4 max

Algal, Amorphous, Herbaceous, Inertinite, Resin, Wood
preservation = Poor, Fair, Good size = Fine, Medium, Coarse

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

TABLE 8
KEROGEN TYPE AND MATURATION

JOB 1947 GEOCHEM SAMPLE NUMBER	DEPTH/ IDENTITY	ORGANIC MATTER DESCRIPTION					THERMAL MATURATION	
		TYPES >35%;10-35%;<10%	REMARKS	RE- WORKED (%)	PARTICLE SIZE	PRESERV- ATION	THERMAL ALTERATION INDEX	1-10 SCALE
1947-010A	977.0m	Al*-Am**;I-W;H	* as 004A **		F-C	G	2	4
1947-011A	979.0m	Al*-Am**;-;I-W-H	* as 004A **		F-C	G	2(?)	4(?)
1947-012A	982.0m	-;I-W-Al-H;Am			F-M/C	G	2	4
1947-013A	984.0m	Al*-Am**;-;I-W-H	* passing to amorphous ** often Al, includes incompletely developed material		F-M/C	G	2	4
1947-014A	985.0m	Am;I-W;Al-H			F-M	F-G	2	4
1947-015A	987.0m	W;Al-I-H;Am			F-M	G	2	4
1947-016A	990.0m	-;W-I-H-Al;Am			F-M	G	2	4
1947-017A	995.0m	-;W-I-H-Al;Am	W/I differentiation difficult		M-C	G	2	4
1947-018A	1000.0m	-;W-H-Al-I;Am			F-M	F-G	2	4
1947-019A	1300.0m	Am;W-I;Al-H			F-M	F-G	2 to 2+	5
1947-020A	1302.5m	Am;Al*-W-I;H	* passing to amorphous		F-M	F-G	2 to 2-	5
1947-021A	1305.0m	Am;W-I-Al*;H	* as 020A		F-M	F-G	2 to 2+	5

Algal, Amorphous, Herbaceous, Inertinite, Resin, Wood
preservation = Poor, Fair, Good size = Fine, Medium, Coarse

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

TABLE 8
KEROGEN TYPE AND MATURATION

JOB 1947	DEPTH/ IDENTITY	ORGANIC MATTER DESCRIPTION				THERMAL MATURATION		
GEOCHEM SAMPLE NUMBER		TYPES >35%;10-35%;<10%	REMARKS	RE- WORKED (%)	PARTICLE SIZE	PRESERV- ATION	THERMAL ALTERATION INDEX	1-10 SCALE
1947-022A	1307.0m	(I;Am*-Al*-W;H)	lean, treat data with caution * includes Al passing to Am		F-M/C	F-G	2 to 2+	5
1947-023A	1308.0m	I-W;Al;H-Am	W/I differentiation difficult		F-M	F	2 to 2+(?)	5(?)
1947-024A	1311.0m	(I-W;-;H)	virtually barren, extremely unreliable		F-M	F		
1947-025A	1313.0m	(I-W;H;Al)	effectively barren, extremely unreliable		F-M	F		
1947-026A	1315.0m	I;W;H-Al			F-M	F-G	2 to 2+	5
1947-027A	1316.0m	-;I-W-H-Al;Am			F-M	F-G	2 to 2+	5
1947-028A	1320.0m	Al*;W-I-H-Am*;-	differentiation difficult * includes material passing to amorphous		F-M	F-G	2 to 2+	5
1947-029A	1322.0m	-;Al*-W-I-H;Am*	differentiation difficult * as 028A		F-M	F-G	2 to 2+	5
1947-030A	1325.0m	(-;Al*-W-H-I;Am*)	differentiation difficult, treat data with caution * as 028A		F-M	G	2 to 2+	5
1947-031A	1328.0m	(Al*;W-I-H-Am*;-)	differentiation difficult, treat data with caution * as 028A		F-M	F-G	2 to 2+	5

Algal, Amorphous, Herbaceous, Inertinite, Resin, Wood
preservation = Poor, Fair, Good size = Fine, Medium, Coarse

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

TABLE 8
KEROGEN TYPE AND MATURATION

JOB 1947 GEOCHEM SAMPLE NUMBER	DEPTH/ IDENTITY	ORGANIC MATTER DESCRIPTION					THERMAL MATURATION	
		TYPES >35%;10-35%;<10%	REMARKS	RE- WORKED (%)	PARTICLE SIZE	PRESERV- ATION	THERMAL ALTERATION INDEX	1-10 SCALE
1947-032A	1330.0m	-;Al*-W-I-H-Am*;-	widespread sapropelisation, differentiation difficult, treat data with caution * as 028A		F-M/C	G	2 to 2+	5
1947-033A	1333.0m	-;Al*-Am*-W-I-H;-	widespread sapropelisation, differentiation difficult * as 028A		F-M	G	2 to 2+	5
1947-034A	1336.0m	-;Am*-Al*-I-W-H;-	* as 028A		F-M	G	2 to 2+	5
1947-035A	1339.0m	-;Am*-W-I-Al*-H;-	* as 028A		F-M	G	2 to 2+	5
1947-036A	1342.0m	-;I-W-Al*-H-Am*;-	* as 028A		F-M/C	G	2 to 2+	5
1947-037A	1344.0m	-;Al*-I-W-H-Am*;-	* as 028A		F-M	G	2 to 2+	5
1947-038A	1347.0m	-;Al*-I-W-H-Am;-	sapropelisation * as 028A		F-M/C	F-G	2 to 2+	5
1947-039A	1350.0m	-;Al*-I-W-Am*-H;-	differentiation difficult, sapropelisation * as 028A		M	F-G	2 to 2+	5
1947-040A	1352.0m	I;Al*-W-Am*;H	* as 028A		M-C	F-G	2 to 2+	5
1947-041A	1355.0m	-;Al*-Am*-I-W-H;-	* includes material passing to amorphous		F-C	G	2 to 2+	5

Algal, Amorphous, Herbaceous, Inertinite, Resin, Wood
preservation = Poor, Fair, Good size = Fine, Medium, Coarse

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

TABLE 8
KEROGEN TYPE AND MATURATION

JOB 1947 GEOCHEM SAMPLE NUMBER	DEPTH/ IDENTITY	ORGANIC MATTER DESCRIPTION					THERMAL MATURATION	
		TYPES >35%;10-35%;<10%	REMARKS	RE- WORKED (%)	PARTICLE SIZE	PRESERV- ATION	THERMAL ALTERATION INDEX	1-10 SCALE
1947-042A	1356.0m	--;Am*-Al*-I-W-H;-	* as 041A		F-M/C	G	2 to 2+	5
1947-043A	1360.0m	I;W-Al*-Am*;H	* includes Al passing to Am W/I differentiation difficult, abundant semifusinite		F-C	G	2 to 2+	5
1947-044A	1362.0m	--;I-Al-W-H;Am	differentiation difficult		F-M	F-G	2 to 2+	5

Algal, Amorphous, Herbaceous, Inertinite, Resin, Wood
preservation = Poor, Fair, Good size = Fine, Medium, Coarse

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

TABLE 9

KEROGEN COMPOSITIONWELL : 7321/9-1 SWCs

GEOCHEM SAMPLE NUMBER	DEPTH (m)	VISUAL ESTIMATE (%)				
		Am	Al	H	W	I
1947-001A	950.0	<5	25	<10	25	40
1947-002A	955.0	<5	20	10	* 30	40
1947-003A	960.0	20*	55*	<5	<10	10
1947-004A	962.5	35*	50*	<5	<10	<10
1947-005A	965.0	30*	55*	<5	<10	<10
1947-006A	967.0	30*	60*	<5	5	5
1947-007A	970.0	40*	35*	5	10	10
1947-008A	974.0	30*	55*	<5	<10	<10
1947-009A	975.5	40*	40*	<5	<10	<10
1947-010A	977.0	35*	45*	<5	10 max	10 max
1947-011A	979.0	35	50	1	5	<10
1947-012A	982.0	5	25	10	25	35
1947-013A	984.0	35*	60*	1	<5	<5
1947-014A	985.0	50	<10	5	15	25
1947-015A	987.0	5	15	15	50	15
1947-016A	990.0	<5	15	20	35	30
1947-017A	995.0	<5	10	20	35	35
1947-018A	1000.0	<5	20	25	35	20
1947-019A	1300.0	45	<10	<10	20	20
1947-020A	1302.5	55	15	5	15	10 max
1947-021A	1305.0	60	10 max	5 max	15	10
1947-022A	1307.0	(20	20	5	15	40)
1947-023A	1308.0	<5	10	<10	40	40
1947-024A	1311.0		effectively barren			
1947-025A	1313.0		effectively barren			

TABLE 9
KEROGEN COMPOSITION

WELL 7321/9-1 SWCs

GEOCHEM SAMPLE NUMBER	DEPTH (m)	VISUAL ESTIMATE (%)				
		Am	AI	H	W	I
1947-026A	1315.0	-	<5	<10	30	60
1947-027A	1316.0	<5	10	20	35	35
1947-028A	1320.0	10*	45*	10	20	15
1947-029A	1322.0	<10*	40*	15	25	20
1947-030A	1325.0	(<10*	40*	15	30	15)
1947-031A	1328.0	(10 max *	45*	10	20	15)
1947-032A	1330.0	10*	40*	15	20	15
1947-033A	1333.0	20*	40*	10	20	10
1947-034A	1336.0	25*	25*	10	20	20
1947-035A	1339.0	35*	15*	10	20	20
1947-036A	1342.0	10*	25*	15	25	25
1947-037A	1344.0	10*	30*	10	25	25
1947-038A	1347.0	10	25*	20	20	25
1947-039A	1350.0	10*	40*	10	15	25
1947-040A	1352.0	10*	20*	<10	15	50
1947-041A	1355.0	30*	30*	10	15	15
1947-042A	1356.0	35*	20*	10	15	20
1947-043A	1360.0	10*	20*	5	25	40
1947-044A	1362.0	5	25	15	20	35

* See remarks, table 8 - kerogen type and maturation table.
 () Differentiation difficult, treat data with caution.

Table 10

CHNOS ANALYSIS
COMPOSITION W/W %

GEOCHEM SAMPLE NUMBER	CARBON	HYDROGEN	NITROGEN	OXYGEN	SULPHUR
1947-001A	57.44	4.95	0.11	6.44	3.63
1947-002A	60.17	5.32	0.46	10.67	4.40
1947-003A	53.88	5.33	0.96	5.33	13.22
1947-004A	41.03	3.71	0.09	3.70	12.20
1947-005A	53.39	4.75	0.09	3.59	14.20
1947-006A	49.53	4.86	0.38	3.94	14.30
1947-007A	52.16	5.15	0.31	4.46	10.20
1947-008A	50.81	5.28	0.85	4.13	11.10
1947-009A	53.22	5.42	0.27	3.87	12.50
1947-010A	56.65	7.00	0.66	4.48	10.90
1947-011A	51.70	4.80	1.18	3.93	14.70
1947-012A	43.94	4.62	0.07	5.62	19.30
1947-013A	50.35	4.77	1.04	3.91	20.00
1947-014A	63.37	4.35	0.25	5.20	6.07
1947-015A	47.66	4.19	0.31	5.73	12.20
1947-016A	71.47	4.11	0.16	6.45	25.90
1947-017A	50.79	3.25	0.50	6.25	6.50
1947-018A	72.21	4.60	0.57	6.31	14.23
1947-019A	63.77	3.38	0.04	5.05	1.82
1947-020A	41.84	3.65	0.04	5.18	9.12
1947-021A	42.66	3.95	0.01	4.98	5.81
1947-028A	40.16	3.42	0.01	4.63	9.08
1947-029A	49.80	2.73	0.11	4.99	7.92
1947-030A	46.11	3.05	0.07	5.31	19.90
1947-031A	39.11	2.66	0.01	3.66	11.50
1947-032A	64.27	3.70	0.30	4.84	5.36
1947-033A	51.11	4.38	0.35	5.21	5.93
1947-034A	45.22	3.76	0.19	2.43	6.94
1947-035A	59.10	4.41	0.36	3.93	6.24

Table 10

CHNOS ANALYSIS
COMPOSITION W/W %

GEOCHEM SAMPLE NUMBER	CARBON	HYDROGEN	NITROGEN	OXYGEN	SULPHUR
1947-036A	47.99	3.68	0.15	3.95	2.73
1947-037A	43.55	3.22	0.12	4.60	7.70
1947-038A	62.19	3.68	0.13	4.07	4.71
1947-039A	50.11	3.76	0.11	4.15	6.46
1947-040A	47.88	3.26	0.09	5.27	6.07
1947-041A	51.63	3.78	0.15	4.43	5.46
1947-042A	50.16	3.84	0.13	4.09	7.45
1947-043A	46.22	3.19	0.08	6.05	11.80
1947-044A	37.96	2.64	0.27	8.97	5.30

Table 11

ATOMIC RATIOS

GEOCHEM SAMPLE NUMBER	DEPTH (m)	KEROGEN CONCENTRATE	
		H/C	O/C
1947-001A	950.0	1.034	0.084
1947-002A	955.0	1.061	0.133
1947-003A	960.0	1.187	0.074
1947-004A	962.5	1.085	0.068
1947-005A	965.0	1.065	0.050
1947-006A	967.0	1.177	0.060
1947-007A	970.0	1.185	0.064
1947-008A	974.0	1.247	0.061
1947-009A	975.5	1.222	0.055
1947-010A	977.0	1.483	0.059
1947-011A	979.0	1.114	0.057
1947-012A	982.0	1.262	0.096
1947-013A	984.0	1.137	0.058
1947-014A	985.0	0.824	0.062
1947-015A	987.0	1.055	0.090
1947-016A	990.0	0.690	0.068
1947-017A	995.0	0.768	0.092
1947-018A	1000.0	0.764	0.066
1947-019A	1300.0	0.636	0.059
1947-020A	1302.5	1.047	0.093
1947-021A	1305.0	1.111	0.088
1947-028A	1320.0	1.022	0.086
1947-029A	1322.0	0.658	0.075
1947-030A	1325.0	0.794	0.086
1947-031A	1328.0	0.816	0.070
1947-032A	1330.0	0.691	0.056
1947-033A	1333.0	1.028	0.076
1947-034A	1336.0	0.998	0.040
1947-035A	1339.0	0.895	0.049

Table 11

ATOMIC RATIOS

GEOCHEM SAMPLE NUMBER	DEPTH (m)	KEROGEN CONCENTRATE	
		H/C	O/C
1947-036A	1342.0	0.920	0.062
1947-037A	1344.0	0.887	0.079
1947-038A	1347.0	0.710	0.049
1947-039A	1350.0	0.900	0.062
1947-040A	1352.0	0.817	0.083
1947-041A	1355.0	0.878	0.064
1947-042A	1356.0	0.919	0.061
1947-043A	1360.0	0.828	0.098
1947-044A	1362.0	0.835	0.177

TABLE 12
DETAILED GASOLINE RANGE (C₄-C₇) COMPOSITION

GEOCHEM SAMPLE NUMBER	1947-002	1947-003	1947-004	1947-006	1947-007	1947-008
DEPTH	955m	960m	962.5m	967m	970m	974m
NORMALISED COMPOSITION						
isobutane	7.83	3.44	4.06	4.62	2.18	5.96
n-butane	24.52	8.22	10.27	9.18	5.71	9.05
isopentane	8.12	8.61	11.00	11.91	10.93	7.28
n-pentane	12.35	9.66	12.21	10.86	11.82	8.33
2,2-dimethylB	0.67	0.68	0.79	1.12	1.18	0.89
cyclopentane	1.55	2.23	1.76	1.47	1.27	3.12
2,3-dimethylB	0.00	0.04	0.08	0.00	0.31	0.07
2-methylP	4.86	8.27	7.65	8.02	9.17	6.41
3-methylP	2.71	5.27	4.53	4.46	5.25	5.24
n-hexane	6.43	9.98	8.69	7.35	9.46	8.20
methylCP	1.98	6.80	5.55	4.67	5.21	6.90
2,2-dimethylP	0.94	0.64	0.64	1.08	1.15	0.59
2,4-dimethylP	0.26	0.22	0.25	0.24	0.00	0.20
2,2,3-trimethylB	0.00	0.00	0.00	0.00	0.00	0.00
benzene	0.35	0.10	0.08	0.41	0.10	0.39
cyclohexane	2.59	5.29	4.59	3.70	4.10	5.98
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	3.67	3.38	2.71	3.08	3.67	3.42
2,3-dimethylP	0.00	0.73	0.85	1.14	1.08	0.71
3-MH	2.32	3.00	2.72	3.05	3.16	3.03
1,c,3-DMCP	0.72	1.46	1.13	1.32	1.59	1.61
1,t,3-DMCP	0.53	1.21	1.22	1.29	0.73	1.28
1,t,2-DMCP	2.63	3.73	3.28	3.87	4.68	3.77
3-ethylP	0.00	0.00	0.00	0.00	0.00	0.00
n-heptane(nc7)	4.56	4.17	3.50	3.51	4.22	4.13
methylCH	4.62	7.08	6.42	7.68	7.07	7.19
1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
toluene	0.33	0.36	0.56	0.52	0.51	0.79
ABUNDANCE	121	8678	6792	4583	2064	16670
nC7/C7NAPHTHENES	0.54	0.31	0.29	0.25	0.30	0.30
total MH/DMCP	1.54	1.00	0.96	0.95	0.98	0.97
1,t,2-/1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
nC6/methylCP	3.25	1.47	1.57	1.57	1.82	1.19
C6-C7 FRACTION						
%n-PARAFFINS	27.48	22.83	22.17	19.40	22.07	20.56
%iso-PARAFFINS	38.58	35.86	36.77	39.63	40.28	34.27
% NAPHTHENES	32.68	41.25	40.35	40.24	37.71	44.56
% AROMATICS	1.71	0.75	1.17	1.67	0.99	1.97

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

TABLE 12
DETAILED GASOLINE RANGE (C₄-C₇) COMPOSITION

GEOCHEM SAMPLE NUMBER	1947-010	1947-011	1947-012	1947-013	1947-015	1947-016
DEPTH	977m	979m	982m	984m	987m	990m
NORMALISED COMPOSITION						
isobutane	2.25	8.86	2.02	11.18	5.45	2.62
n-butane	6.09	17.49	4.53	11.79	10.17	5.34
isopentane	10.68	12.00	6.61	9.88	8.38	6.39
n-pentane	12.70	12.35	10.10	9.24	11.44	10.86
2,2-dimethylB	0.72	0.93	1.01	0.85	1.10	1.04
cyclopentane	1.31	1.03	1.15	3.05	1.31	1.29
2,3-dimethylB	0.10	0.05	0.62	0.10	0.53	0.65
2-methylP	8.42	6.29	9.92	6.66	6.74	10.10
3-methylP	4.69	3.63	4.93	4.11	3.54	4.87
n-hexane	9.86	6.46	10.97	7.03	9.55	12.80
methylCP	5.31	4.77	3.19	5.81	3.94	2.66
2,2-dimethylP	0.65	0.31	1.12	0.37	0.58	0.95
2,4-dimethylP	0.25	0.12	0.21	0.09	0.22	0.21
2,2,3-trimethylB	0.00	0.00	0.00	0.00	0.00	0.00
benzene	0.07	0.15	0.19	1.15	0.52	0.20
cyclohexane	4.39	3.98	2.39	5.22	3.30	2.10
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	3.37	1.93	6.46	1.55	3.83	5.61
2,3-dimethylP	0.94	0.72	0.58	0.50	0.49	0.51
3-MH	3.28	1.70	5.64	1.91	3.28	4.50
1,c,3-DMCP	1.43	0.82	1.54	0.97	1.08	1.27
1,t,3-DMCP	0.91	0.73	1.66	1.07	1.17	1.12
1,t,2-DMCP	3.99	2.40	3.63	1.88	2.30	2.58
3-ethylP	0.00	0.00	0.00	0.00	0.00	0.00
n-heptane(nc7)	4.55	2.49	7.10	2.74	6.39	8.03
methylCH	7.57	4.92	8.02	5.63	7.45	8.22
1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
toluene	1.02	0.41	0.94	1.72	1.77	0.63
ABUNDANCE	5391	8966	1439	12105	1210	1000
nC7/C7NAPHTHENES	0.33	0.28	0.48	0.29	0.53	0.61
total MH/DMCP	1.05	0.92	1.77	0.88	1.56	2.03
1,t,2-/1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
nC6/methylCP	1.86	1.35	3.44	1.21	2.42	4.81
C6-C7 FRACTION						
%n-PARAFFINS	23.63	21.31	25.82	19.94	27.97	30.64
%iso-PARAFFINS	36.76	37.34	43.56	32.94	35.64	41.83
% NAPHTHENES	38.69	41.96	29.19	42.01	33.76	26.40
% AROMATICS	1.79	1.34	1.62	5.86	4.02	1.23

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

TABLE 12
DETAILED GASOLINE RANGE (C₄-C₇) COMPOSITION

GEOCHEM SAMPLE NUMBER	1947-017	1947-020	1947-023	1947-025	1947-028	1947-029
DEPTH	995m	1302.5m	1308m	1313m	1320m	1322m
NORMALISED COMPOSITION						
isobutane	1.05	13.83	11.35	5.95	1.61	3.61
n-butane	2.63	30.31	25.29	15.16	4.81	4.87
isopentane	6.02	11.16	11.99	8.48	9.21	4.92
n-pentane	11.19	13.31	14.27	11.49	10.22	4.13
2,2-dimethylB	0.77	0.48	0.43	0.95	0.45	0.61
cyclopentane	1.21	1.37	1.04	0.49	1.29	3.11
2,3-dimethylB	0.69	0.34	0.41	0.78	0.11	0.11
2-methylP	9.36	2.94	5.51	6.64	10.01	7.53
3-methylP	4.83	1.70	3.00	3.63	5.83	5.82
n-hexane	13.47	3.21	5.71	8.55	11.91	9.81
methylCP	4.03	2.51	2.53	3.54	4.74	7.31
2,2-dimethylP	0.88	0.15	0.27	0.71	0.72	0.61
2,4-dimethylP	0.32	0.12	0.07	0.27	0.10	0.15
2,2,3-trimethylB	0.00	0.00	0.00	0.00	0.00	0.00
benzene	0.22	1.64	0.21	0.47	0.10	0.11
cyclohexane	3.35	3.31	2.09	2.87	3.35	6.16
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	5.32	0.50	1.32	3.69	4.94	3.86
2,3-dimethylP	0.64	0.19	0.33	0.71	0.58	0.89
3-MH	4.37	0.67	1.17	3.45	4.28	4.89
1,c,3-DMCP	1.37	0.32	0.53	1.11	1.44	2.14
1,t,3-DMCP	1.41	0.28	0.47	0.87	1.68	2.09
1,t,2-DMCP	2.78	0.72	1.13	2.22	2.68	3.89
3-ethylP	0.00	0.00	0.00	0.00	0.00	0.00
n-heptane(nC7)	8.67	1.11	1.61	5.47	7.39	8.37
methylCH	9.19	3.17	3.52	5.94	6.50	8.91
1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
toluene	0.76	1.18	0.28	1.09	0.58	0.63
ABUNDANCE	2361	1891	1644	1003	6648	18555
nC7/C7NAPHTHENES	0.59	0.25	0.29	0.54	0.60	0.49
total MH/DMCP	1.74	0.89	1.17	1.70	1.59	1.08
1,t,2-/1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
nC6/methylCP	3.34	1.28	2.26	2.42	2.51	1.34
C6-C7 FRACTION						
%n-PARAFFINS	30.76	18.01	24.41	26.97	28.81	24.91
%iso-PARAFFINS	37.76	29.55	41.71	40.06	40.33	33.53
% NAPHTHENES	30.74	42.96	34.24	31.83	30.44	41.79
% AROMATICS	1.37	11.76	1.64	3.01	1.02	1.02

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

TABLE 12
DETAILED GASOLINE RANGE (C₄-C₇) COMPOSITION

GEOCHEM SAMPLE NUMBER	1947-030	1947-031	1947-033	1947-034	1947-035	1947-037
DEPTH	1325m	1328m	1333m	1336m	1339m	1344m
NORMALISED COMPOSITION						
isobutane	5.08	2.42	2.54	2.90	6.84	1.76
n-butane	6.71	6.02	6.13	7.01	10.23	4.82
isopentane	6.29	7.77	8.77	10.12	10.97	6.87
n-pentane	7.42	8.70	9.36	10.50	11.51	9.77
2,2-dimethylB	0.56	0.37	0.43	0.40	0.40	0.96
cyclopentane	3.16	1.95	1.62	1.75	1.84	0.83
2,3-dimethylB	0.17	0.12	0.12	0.12	0.22	0.31
2-methylP	7.87	8.84	9.32	9.63	9.21	8.58
3-methylP	6.10	6.23	5.99	5.85	5.20	4.91
n-hexane	9.88	11.18	11.16	11.12	10.20	10.79
methylCP	7.39	6.77	5.32	5.70	5.25	4.88
2,2-dimethylP	0.56	0.55	0.61	0.47	0.38	0.56
2,4-dimethylP	0.07	0.06	0.10	0.09	0.09	0.08
2,2,3-trimethylB	0.00	0.00	0.00	0.00	0.00	0.00
benzene	0.08	0.08	0.07	0.07	0.05	0.22
cyclohexane	5.63	4.83	4.07	4.23	3.68	4.22
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	3.68	2.77	4.22	3.39	2.64	4.55
2,3-dimethylP	0.68	0.71	0.70	0.64	0.48	0.80
3-MH	3.25	3.86	3.76	3.03	2.35	4.14
1,c,3-DMCP	1.55	1.74	1.60	1.43	1.14	1.73
1,t,3-DMCP	1.44	1.84	1.70	1.35	1.00	1.57
1,t,2-DMCP	2.94	3.08	3.12	2.89	2.25	3.95
3-ethylP	0.00	0.00	0.00	0.00	0.00	0.00
n-heptane(nC7)	5.11	6.73	6.25	4.95	3.61	7.41
methylCH	6.40	7.41	7.08	6.39	4.79	10.15
1,c,2-DMCP	0.00	0.00	0.00	0.00	0.00	0.00
toluene	2.63	0.50	0.50	0.50	0.22	0.65
ABUNDANCE						
	14315	9472	7867	8954	6707	1224
nC7/C7NAPHTHENES						
total MH/DMCP	0.41	0.48	0.46	0.41	0.39	0.43
1,t,2-/1,c,2-DMCP	1.17	1.00	1.24	1.13	1.14	1.20
nC6/methylCP	0.00	0.00	0.00	0.00	0.00	0.00
	1.34	1.65	2.10	1.95	1.94	2.21
C6-C7 FRACTION						
%n-PARAFFINS	23.07	26.74	26.38	25.92	26.06	26.01
%iso-PARAFFINS	35.30	35.09	38.26	38.10	39.57	35.56
% NAPHTHENES	39.01	38.32	34.69	35.47	34.17	37.86
% AROMATICS	4.17	0.87	0.87	0.92	0.51	1.25

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

TABLE 12
DETAILED GASOLINE RANGE (C₄-C₇) COMPOSITION

GEOCHEM SAMPLE NUMBER	1947-039	1947-042	1947-044
DEPTH	1350m	1356m	1362m
NORMALISED COMPOSITION			
isobutane	4.74	6.64	11.75
n-butane	10.22	9.07	18.18
isopentane	11.59	8.97	15.05
n-pentane	11.55	9.59	16.29
2,2-dimethylB	0.40	0.50	0.38
cyclopentane	1.65	2.09	1.66
2,3-dimethylB	0.18	0.13	0.31
2-methylP	9.01	8.75	5.49
3-methylP	5.07	5.90	3.02
n-hexane	10.17	10.22	6.01
methylCP	4.89	5.81	3.77
2,2-dimethylP	0.46	0.48	0.21
2,4-dimethylP	0.05	0.09	0.08
2,2,3-trimethylB	0.00	0.00	0.00
benzene	0.07	0.10	0.32
cyclohexane	3.72	4.28	3.18
3,3-dimethylP	0.00	0.00	0.00
1,1-dimethylCP	0.00	0.00	0.00
2-MH	3.07	2.28	1.08
2,3-dimethylP	0.55	0.56	0.25
3-MH	2.70	3.08	0.94
1,c,3-DMCP	1.17	1.25	0.47
1,t,3-DMCP	1.19	1.39	0.46
1,t,2-DMCP	2.10	2.20	0.95
3-ethylP	0.00	0.00	0.00
n-heptane(nC7)	4.30	4.83	1.35
methylCH	5.45	5.97	2.90
1,c,2-DMCP	0.00	0.00	0.00
toluene	0.23	0.34	0.42
ABUNDANCE	7265	9147	3703
nC7/C7NAPHTHENES	0.43	0.45	0.28
total MH/DMCP	1.29	1.11	1.07
1,t,2-/1,c,2-DMCP	0.00	0.00	0.00
nC6/methylCP	2.08	1.76	1.59
C6-C7 FRACTION			
%n-PARAFFINS	26.80	25.95	23.75
%iso-PARAFFINS	39.80	37.54	37.94
% NAPHTHENES	34.30	36.04	37.84
% AROMATICS	0.56	0.76	2.39

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

TABLE 13a
THERMAL BITUMEN COMPOSITION (NORM. %) AND ABUNDANCE

JOB 1947	DEPTH/ IDENTITY	CX-C5 %	C6-C14 %	C15+ %	% nC17	ABUNDANCE (ppm)
1947-002	955.0	3.01	72.59	24.40	1.60	801
1947-003	960.0	0.36	53.11	46.53	3.67	5931
1947-004	962.5	2.04	64.36	33.60	2.82	4703
1947-006	967.0	0.38	65.51	34.10	2.05	9001
1947-007	970.0	0.05	57.42	42.54	3.10	6205
1947-008	974.0	0.49	51.27	48.24	2.85	8304
1947-010	977.0	3.94	61.59	34.47	1.97	3921
1947-011	979.0	0.27	57.27	42.46	2.43	8629
1947-012	982.0	2.78	36.32	60.89	2.64	498
1947-013	984.0	1.57	80.60	17.82	1.13	9561
1947-015	987.0	1.69	44.46	53.85	3.44	652
1947-016	990.0	1.22	57.87	40.91	2.96	934
1947-017	995.0	0.81	47.78	51.41	3.48	3241
1947-020	1302.5	4.38	70.02	25.59	1.50	1862
1947-023	1308.0	7.72	71.83	20.45	1.12	299
1947-025	1313.0	6.12	24.98	68.89	4.73	611
1947-028	1320.0	0.69	68.51	30.79	2.47	4191
1947-029	1322.0	1.91	49.27	48.82	3.09	4632
1947-030	1325.0	1.80	50.70	47.51	2.74	2978
1947-031	1328.0	0.46	55.13	44.41	3.32	3018
1947-033	1333.0	0.49	67.75	31.77	2.19	3714
1947-034	1336.0	2.51	68.28	29.20	2.28	3951
1947-035	1339.0	1.91	84.46	13.62	0.90	1987
1947-037	1344.0	3.70	67.72	28.57	2.86	3548
1947-039	1350.0	2.82	61.23	35.95	3.07	4237
1947-042	1356.0	3.45	71.21	25.34	1.62	4126
1947-044	1362.0	4.88	53.10	42.02	1.14	593

WELL: 7321/9-1 SWCS

TABLE 13b
THERMAL BITUMEN COMPOSITION (NORM. %) AND ABUNDANCE

JOB 1947						
GEOCHEM SAMPLE NUMBER	DEPTH/ IDENTITY	% CX-C6	% C7-C14	% C15+	% nC17	ABUNDANCE (ppm)

WELL: 7321/9-1 SWCs

1947-002	955.0m	4.08	71.52	24.40	1.60	801
1947-003	960.0m	4.05	49.42	46.53	3.67	5931
1947-004	962.5m	5.21	61.19	33.60	2.82	4703
1947-006	967.0m	0.80	65.10	34.10	2.05	9001
1947-007	970.0m	0.29	57.18	42.54	3.10	6205
1947-008	974.0m	1.07	50.69	48.24	2.85	8304
1947-010	977.0m	5.50	60.03	34.47	1.97	3921
1947-011	979.0m	0.63	56.91	42.46	2.43	8629
1947-012	982.0m	5.18	33.93	60.89	2.64	498
1947-013	984.0m	4.13	78.04	17.82	1.13	9561
1947-015	987.0m	2.91	43.24	53.85	3.44	652
1947-016	990.0m	1.85	57.24	40.91	2.96	934
1947-017	995.0m	1.43	47.15	51.41	3.48	3241
1947-020	1302.5m	9.84	64.56	25.59	1.50	1862
1947-023	1308.0m	12.80	66.75	20.45	1.12	299
1947-025	1313.0m	9.12	21.98	68.89	4.73	611
1947-028	1320.0m	1.99	67.21	30.79	2.47	4191
1947-029	1322.0m	2.80	48.38	48.82	3.09	4632
1947-030	1325.0m	3.71	48.78	47.51	2.74	2978
1947-031	1328.0m	1.61	53.98	44.41	3.32	3018
1947-033	1333.0m	2.10	66.14	31.77	2.19	3714
1947-034	1336.0m	6.44	64.36	29.20	2.28	3951
1947-035	1339.0m	5.66	80.72	13.62	0.90	1987
1947-037	1344.0m	5.73	65.70	28.57	2.86	3548
1947-039	1350.0m	5.46	58.59	35.95	3.07	4237
1947-042	1356.0m	8.31	66.35	25.34	1.62	4126
1947-044	1362.0m	11.03	46.94	42.02	1.14	593

TABLE 14
CONCENTRATION (PPM) OF EXTRACTED C₁₅₊ MATERIAL IN ROCK

JOB 1947	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: 7321/9-1 SWCs

1947-001A	950.0m	1295	493	99	593	336	364	2	702
1947-002A	955.0m	1262	600	108	708	160	389	6	554
1947-003A	960.0m	7778	4710	860	5570	408	1783	18	2208
1947-004A	962.5m	6733	3262	945	4207	472	2047	8	2527
1947-005A	965.0m	13228	7814	2009	9823	746	2634	26	3405
1947-006A	967.0m	11064	6732	1512	8244	412	2396	11	2820
1947-007A	970.0m	7464	4742	888	5630	354	1465	15	1833
1947-008A	974.0m	11875	6240	1590	7830	908	3114	23	4045
1947-009A	975.5m	15418	8265	2347	10611	1019	3758	30	4807
1947-010A	977.0m	5318	2726	707	3434	500	1377	6	1884
1947-011A	979.0m	11303	6470	1704	8175	781	2336	11	3128
1947-012A	982.0m	694	269	68	337	145	210	3	357
1947-013A	984.0m	14531	6435	2467	8902	1813	3789	27	5629
1947-014A	985.0m	10028	4487	976	5464	1807	2744	14	4565
1947-015A	987.0m	897	430	88	518	96	281	2	379
1947-016A	990.0m	1200	665	109	774	200	224	3	427
1947-017A	995.0m	2921	2136	255	2391	182	342	6	530
1947-018A	1000.0m	1965	1210	160	1371	289	300	5	594
1947-019A	1300.0m	1522	395	238	633	543	344	3	889
1947-020A	1302.5m	2961	857	558	1415	938	601	6	1545
1947-021A	1305.0m	2254	672	468	1141	762	348	4	1114
1947-022A	1307.0m	677	142	62	204	176	286	11	473
1947-023A	1308.0m	996	88	91	180	648	164	4	816
1947-024A	1311.0m	1277	875	142	1017	167	90	3	260
1947-025A	1313.0m	603	361	67	428	78	96	2	176
1947-026A	1315.0m	451	173	41	214	132	101	3	236
1947-027A	1316.0m	551	226	101	327	98	123	2	224
1947-028A	1320.0m	5198	2356	1046	3402	503	1282	11	1796
1947-029A	1322.0m	5785	2872	1121	3994	493	1285	13	1791
1947-030A	1325.0m	4403	1816	732	2548	994	852	8	1854
1947-031A	1328.0m	4390	1865	723	2589	960	833	9	1801
1947-032A	1330.0m	4822	2797	729	3526	505	785	7	1296

TABLE 14
CONCENTRATION (PPM) OF EXTRACTED C₁₅₊ MATERIAL IN ROCK

JOB 1947	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
1947-033A		1333.Om	4223	2410	726	3136	316	761	9	1087
1947-034A		1336.Om	4726	2676	779	3455	395	866	10	1271
1947-035A		1339.Om	2333	1181	396	1577	327	423	6	755
1947-036A		1342.Om	4089	2251	685	2936	520	628	5	1153
1947-037A		1344.Om	4274	2341	747	3088	539	642	5	1186
1947-038A		1347.Om	4846	2576	809	3386	736	715	9	1461
1947-039A		1350.Om	5025	2849	835	3684	481	845	15	1341
1947-040A		1352.Om	1288	664	207	871	212	203	2	417
1947-041A		1355.Om	4425	2038	1009	3048	557	812	9	1378
1947-042A		1356.Om	5504	2468	1099	3566	942	980	15	1937
1947-043A		1360.Om	1167	653	212	865	84	215	3	302
1947-044A		1362.Om	717	248	148	396	147	173	2	321

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

TABLE 15
COMPOSITION (NORMALISED %) OF C₁₅₊ MATERIAL

JOB 1947 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: 7321/9-1 SWCs

1947-001A	950.0m	38.12	7.68	25.94	28.12	0.14
1947-002A	955.0m	47.53	8.58	12.65	30.81	0.44
1947-003A	960.0m	60.55	11.06	5.25	22.92	0.23
1947-004A	962.5m	48.44	14.04	7.01	30.40	0.12
1947-005A	965.0m	59.07	15.19	5.64	19.91	0.20
1947-006A	967.0m	60.84	13.67	3.73	21.66	0.10
1947-007A	970.0m	63.54	11.90	4.74	19.62	0.20
1947-008A	974.0m	52.55	13.39	7.64	26.23	0.19
1947-009A	975.5m	53.60	15.22	6.61	24.37	0.19
1947-010A	977.0m	51.27	13.30	9.41	25.90	0.11
1947-011A	979.0m	57.25	15.08	6.91	20.66	0.10
1947-012A	982.0m	38.79	9.79	20.82	30.24	0.37
1947-013A	984.0m	44.28	16.98	12.48	26.08	0.18
1947-014A	985.0m	44.74	9.74	18.02	27.36	0.14
1947-015A	987.0m	47.92	9.82	10.68	31.38	0.20
1947-016A	990.0m	55.40	9.07	16.63	18.63	0.27
1947-017A	995.0m	73.13	8.72	6.23	11.72	0.20
1947-018A	1000.0m	61.61	8.16	14.72	15.25	0.27
1947-019A	1300.0m	25.94	15.63	35.67	22.57	0.19
1947-020A	1302.5m	28.96	18.85	31.69	20.29	0.22
1947-021A	1305.0m	29.83	20.77	33.79	15.42	0.19
1947-022A	1307.0m	20.92	9.21	25.94	42.26	1.67
1947-023A	1308.0m	8.88	9.17	65.04	16.48	0.43
1947-024A	1311.0m	68.53	11.11	13.05	7.07	0.23
1947-025A	1313.0m	59.78	11.07	12.96	15.92	0.27
1947-026A	1315.0m	38.42	9.16	29.26	22.39	0.76
1947-027A	1316.0m	41.09	18.26	17.83	22.39	0.43
1947-028A	1320.0m	45.33	20.13	9.68	24.66	0.21
1947-029A	1322.0m	49.65	19.38	8.52	22.22	0.22
1947-030A	1325.0m	41.26	16.62	22.59	19.34	0.19
1947-031A	1328.0m	42.49	16.48	21.87	18.97	0.19
1947-032A	1330.0m	58.00	15.12	10.47	16.27	0.14
1947-033A	1333.0m	57.07	17.20	7.49	18.03	0.21
1947-034A	1336.0m	56.63	16.47	8.37	18.33	0.21
1947-035A	1339.0m	50.63	16.99	14.01	18.12	0.25
1947-036A	1342.0m	55.06	16.75	12.71	15.36	0.13
1947-037A	1344.0m	54.78	17.48	12.62	15.01	0.11
1947-038A	1347.0m	53.16	16.70	15.19	14.76	0.20
1947-039A	1350.0m	56.69	16.62	9.58	16.81	0.30
1947-040A	1352.0m	51.56	16.08	16.43	15.79	0.14
1947-041A	1355.0m	46.06	22.81	12.59	18.35	0.20
1947-042A	1356.0m	44.83	19.96	17.12	17.81	0.27
1947-043A	1360.0m	55.95	18.18	7.17	18.44	0.26
1947-044A	1362.0m	34.62	20.58	20.47	24.09	0.23

TABLE 16
SIGNIFICANT C₁₅₊ RATIOS

JOB 1947 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: 7321/9-1 SWCs

1947-001A	950.0m	1.40	92.47	35.25	7.10	42.35	26.00	23.99	45.80	4.96
1947-002A	955.0m	1.56	80.92	38.46	6.94	45.40	24.94	10.23	56.10	5.54
1947-003A	960.0m	2.08	373.96	226.42	41.36	267.78	85.71	19.61	71.61	5.47
1947-004A	962.5m	4.38	153.73	74.46	21.58	96.04	46.74	10.77	62.48	3.45
1947-005A	965.0m	3.51	376.87	222.61	57.24	279.85	75.03	21.25	74.26	3.89
1947-006A	967.0m	5.16	214.42	130.46	29.31	159.77	46.44	7.99	74.51	4.45
1947-007A	970.0m	3.27	228.25	145.03	27.15	172.18	44.79	10.81	75.44	5.34
1947-008A	974.0m	4.65	255.38	134.19	34.20	168.39	66.97	19.52	65.94	3.92
1947-009A	975.5m	4.58	336.64	180.45	51.24	231.69	82.04	22.26	68.82	3.52
1947-010A	977.0m	4.10	129.70	66.50	17.25	83.75	33.60	12.21	64.57	3.85
1947-011A	979.0m	5.01	225.60	129.15	34.01	163.16	46.62	15.59	72.32	3.80
1947-012A	982.0m	1.76	39.46	15.30	3.86	19.17	11.93	8.21	48.58	3.96
1947-013A	984.0m	8.72	166.64	73.79	28.29	102.09	43.46	20.79	61.26	2.61
1947-014A	985.0m	1.86	539.15	241.24	52.50	293.74	147.50	97.15	54.48	4.60
1947-015A	987.0m	2.12	42.32	20.28	4.16	24.44	13.28	4.52	57.75	4.88
1947-016A	990.0m	1.21	99.21	54.96	9.00	63.96	18.48	16.50	64.47	6.11
1947-017A	995.0m	1.33	219.66	160.64	19.15	179.79	25.75	13.68	81.85	8.39
1947-018A	1000.0m	1.43	137.38	84.63	11.21	95.84	20.95	20.22	69.77	7.55
1947-019A	1300.0m	2.87	53.04	13.76	8.29	22.05	11.97	18.92	41.57	1.66
1947-020A	1302.5m	4.44	66.68	19.31	12.57	31.88	13.53	21.13	47.81	1.54
1947-021A	1305.0m	4.36	51.70	15.42	10.74	26.16	7.97	17.47	50.60	1.44
1947-022A	1307.0m	2.70	25.08	5.25	2.31	7.55	10.60	6.51	30.13	2.27
1947-023A	1308.0m	0.64	155.58	13.82	14.27	28.08	25.63	101.19	18.05	0.97
1947-024A	1311.0m	0.14	911.99	625.00	101.33	726.33	64.48	119.05	79.64	6.17
1947-025A	1313.0m	0.16	377.14	225.47	41.73	267.20	60.06	48.86	70.85	5.40
1947-026A	1315.0m	0.25	180.28	69.27	16.51	85.78	40.37	52.75	47.58	4.19
1947-027A	1316.0m	0.27	204.04	83.83	37.26	121.09	45.69	36.37	59.35	2.25
1947-028A	1320.0m	1.98	262.53	119.00	52.84	171.84	64.73	25.40	65.45	2.25
1947-029A	1322.0m	1.92	301.28	149.60	58.40	208.00	66.94	25.67	69.04	2.56
1947-030A	1325.0m	2.15	204.77	84.48	34.04	118.52	39.61	46.25	57.88	2.48
1947-031A	1328.0m	1.76	249.44	105.98	41.10	147.08	47.31	54.56	58.97	2.58
1947-032A	1330.0m	1.80	267.91	155.38	40.51	195.89	43.59	28.06	73.12	3.84

TABLE 16
SIGNIFICANT C₁₅₊ RATIOS

JOB 1947	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		
1947-033A		1333.Om	2.52	167.58	95.63	28.82	124.45	30.21	12.56	74.27	3.32
1947-034A		1336.Om	3.17	149.09	84.43	24.56	108.99	27.32	12.47	73.10	3.44
1947-035A		1339.Om	3.58	65.15	32.99	11.07	44.06	11.80	9.13	67.63	2.98
1947-036A		1342.Om	2.71	150.88	83.08	25.27	108.34	23.17	19.17	71.81	3.29
1947-037A		1344.Om	2.64	161.88	88.68	28.29	116.97	24.30	20.43	72.26	3.13
1947-038A		1347.Om	2.62	184.97	98.34	30.88	129.22	27.29	28.09	69.86	3.18
1947-039A		1350.Om	2.70	186.11	105.51	30.92	136.44	31.28	17.83	73.31	3.41
1947-040A		1352.Om	0.69	186.71	96.27	30.02	126.28	29.49	30.68	67.63	3.21
1947-041A		1355.Om	2.88	153.66	70.78	35.05	105.82	28.19	19.34	68.87	2.02
1947-042A		1356.Om	3.54	155.47	69.70	31.04	100.74	27.70	26.61	64.80	2.25
1947-043A		1360.Om	0.94	124.10	69.44	22.56	92.00	22.88	8.90	74.14	3.08
1947-044A		1362.Om	1.29	55.56	19.23	11.44	30.67	13.39	11.37	55.20	1.68

TABLE 17
COMPOSITION (NORMALISED %) OF C₁₅₊ SATURATE (PARAFFIN - NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	001A	002A	003A	004A	005A	006A
DEPTH	950m	955m	960m	962.5m	965m	967m
SAMPLE TYPE						
nC15	13.69	3.65	10.04	12.54	10.88	13.11
nC16	12.66	9.09	8.60	9.88	8.57	11.45
nC17	11.28	12.23	9.12	8.75	7.98	11.29
nC18	9.91	11.75	8.31	7.84	7.99	10.26
nC19	6.66	10.48	8.40	7.70	8.07	8.18
nC20	4.88	9.96	6.57	7.40	6.60	7.99
nC21	4.87	7.93	7.51	6.07	5.90	6.45
nC22	4.51	7.20	7.31	6.06	6.36	5.34
nC23	4.38	6.10	6.57	5.27	5.85	4.70
nC24	3.78	5.07	5.55	5.45	5.61	3.78
nC25	4.48	3.69	5.00	5.33	5.77	3.63
nC26	3.44	2.72	3.85	4.17	4.50	3.07
nC27	3.61	2.51	3.30	3.59	4.11	3.00
nC28	2.66	1.61	2.42	3.27	2.94	2.43
nC29	2.64	1.73	2.42	2.51	2.70	2.01
nC30	1.65	0.97	1.45	1.59	1.97	1.28
nC31	1.96	1.04	1.25	1.19	1.69	0.92
nC32	0.93	0.66	1.00	0.56	1.03	0.43
nC33	0.99	0.67	0.61	0.40	0.68	0.33
nC34	0.58	0.49	0.40	0.25	0.44	0.20
nC35	0.48	0.44	0.31	0.18	0.37	0.16
Paraffin	15.62	15.63	17.95	16.28	12.68	12.65
Isoprenoid	5.28	3.41	4.35	5.95	4.10	5.27
Naphthene	79.10	80.96	77.69	77.78	83.22	82.08
CPI 1 Index	1.12	1.01	1.07	0.97	1.03	1.05
CPI 2 Index	1.28	1.19	1.14	1.09	1.16	1.12
CPI 3 Index	1.18	1.16	1.05	0.97	1.10	1.09
Prist/Phytane	2.43	1.41	1.28	1.28	0.88	1.26
Prist/nC17	0.92	0.66	0.95	1.19	1.18	1.45
Phytane/nC18	0.43	0.48	0.81	1.04	1.06	1.27

Job Number : 1947

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

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

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

CT - ditch cuttings CO - core SWC - sidewall core

TABLE 17
COMPOSITION (NORMALISED %) OF C₁₅₊ SATURATE (PARAFFIN - NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	007A	008A	009A	010A	011A	012A
DEPTH	970m	974m	975.5m	977m	979m	982m
SAMPLE TYPE						
nC15	12.62	13.06	10.05	11.79	13.63	14.69
nC16	11.58	10.33	8.06	8.26	10.47	11.63
nC17	8.76	10.15	8.27	8.02	9.31	10.88
nC18	6.82	7.78	7.05	6.91	7.64	8.84
nC19	7.22	8.83	6.71	6.40	7.53	7.88
nC20	6.53	7.72	6.82	5.22	7.12	6.91
nC21	6.48	6.48	7.08	5.66	6.25	5.73
nC22	5.97	5.85	5.04	4.92	5.77	5.47
nC23	5.34	4.79	6.64	4.83	4.77	4.69
nC24	4.78	4.69	6.00	4.64	4.21	4.49
nC25	5.04	4.31	5.91	4.69	4.40	4.65
nC26	3.69	4.05	4.98	4.90	3.88	3.25
nC27	3.58	3.11	3.88	4.03	3.42	3.42
nC28	3.55	2.92	3.71	4.00	3.48	2.29
nC29	3.06	2.32	2.61	4.16	2.67	2.01
nC30	1.89	1.41	2.26	3.27	2.25	1.07
nC31	1.40	1.07	1.91	2.99	0.99	0.86
nC32	0.65	0.51	1.46	1.72	0.84	0.40
nC33	0.49	0.28	0.65	1.49	0.64	0.39
nC34	0.31	0.21	0.58	1.00	0.42	0.24
nC35	0.23	0.15	0.33	1.10	0.31	0.22
Paraffin	15.99	12.94	12.62	10.03	23.03	9.35
Isoprenoid	6.08	5.09	3.90	3.12	11.05	2.31
Naphtene	77.92	81.96	83.48	86.85	65.90	88.34
CPI 1 Index	1.06	0.95	1.11	1.01	0.99	1.06
CPI 2 Index	1.14	1.02	1.00	1.04	0.96	1.27
CPI 3 Index	0.99	0.89	0.89	0.91	0.93	1.23
Prist/Phytane	1.56	1.33	1.70	1.52	1.52	1.48
Prist/nC17	1.58	1.20	1.38	1.27	1.35	0.86
Phytane/nC18	1.30	1.18	0.96	0.97	1.08	0.72

Job Number : 1947

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

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

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

CT - ditch cuttings CO - core SWC - sidewall core

TABLE 17
COMPOSITION (NORMALISED %) OF C₁₅₊ SATURATE (PARAFFIN - NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	013A	014A	015A	016A	017A	018A
DEPTH	984m	985m	987m	990m	995m	1000m
SAMPLE TYPE						
nC15	16.52	11.50	15.02	10.06	9.07	8.50
nC16	10.98	8.22	13.29	10.32	9.73	9.51
nC17	11.43	9.51	11.80	9.33	9.01	8.82
nC18	8.71	8.10	10.36	10.23	9.11	8.77
nC19	8.03	7.86	10.30	11.19	9.34	9.24
nC20	6.34	7.63	8.40	9.89	8.69	9.62
nC21	6.00	6.46	7.36	9.90	8.81	9.69
nC22	5.88	7.28	5.35	7.30	8.31	7.48
nC23	4.64	6.10	4.89	5.71	7.48	7.23
nC24	3.96	6.34	3.22	3.57	6.35	5.97
nC25	3.96	5.52	2.53	3.54	5.12	5.06
nC26	2.83	5.05	1.50	1.85	3.23	2.94
nC27	2.60	2.93	1.27	1.63	2.51	2.68
nC28	2.72	2.70	1.27	1.35	1.50	1.46
nC29	2.15	2.23	1.04	1.58	0.83	1.22
nC30	1.13	1.53	0.86	0.74	0.43	0.54
nC31	1.02	1.06	0.58	0.77	0.28	0.50
nC32	0.91	1.06	0.46	0.32	0.10	0.28
nC33	0.11	0.28	0.29	0.37	0.05	0.23
nC34	0.06	0.00	0.23	0.19	0.03	0.14
nC35	0.03	0.00	0.00	0.15	0.02	0.11
Paraffin	8.53	12.50	13.34	13.57	9.51	19.08
Isoprenoid	3.43	3.75	3.23	3.32	1.85	3.46
Naphthene	88.04	84.10	83.44	83.11	88.64	77.46
CPI 1 Index	1.01	0.89	1.14	1.20	1.07	1.16
CPI 2 Index	1.10	0.94	1.06	1.38	1.21	1.34
CPI 3 Index	0.94	0.76	0.92	1.02	1.06	1.22
Prist/Phytane	1.58	1.55	1.56	1.75	1.56	1.46
Prist/nC17	0.73	1.09	0.60	0.71	0.82	0.62
Phytane/nC18	0.61	0.88	0.43	0.37	0.52	0.43

Job Number : 1947

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

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

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

CT - ditch cuttings CO - core SWC - sidewall core

TABLE 17
COMPOSITION (NORMALISED %) OF C₁₅₊ SATURATE (PARAFFIN - NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	019A	020A	021A	022A	023A	024A
DEPTH	1300m	1302.5m	1305m	1307m	1308m	1311m
SAMPLE TYPE						
nc15	9.22	8.90	9.09	17.41	8.42	4.10
nc16	8.49	7.97	8.50	15.46	8.21	5.09
nc17	8.12	8.07	8.59	10.06	9.28	6.74
nc18	8.29	7.06	7.57	9.82	6.57	7.18
nc19	9.31	6.66	6.48	7.48	5.67	8.32
nc20	7.28	6.08	6.88	6.85	5.87	8.93
nc21	7.38	6.45	7.00	5.98	6.12	8.25
nc22	6.84	6.49	6.76	5.43	6.98	8.23
nc23	6.37	6.07	7.16	4.24	6.37	7.03
nc24	6.04	5.61	6.28	3.28	5.54	6.56
nc25	5.02	6.01	5.74	2.89	5.71	5.93
nc26	4.13	5.23	4.52	2.02	4.80	4.84
nc27	3.55	4.70	4.21	1.91	4.39	3.98
nc28	2.63	3.68	3.32	1.74	3.49	3.36
nc29	2.51	3.32	2.69	1.62	3.70	3.11
nc30	1.52	2.44	1.59	0.87	2.63	2.28
nc31	1.28	2.08	1.42	1.14	2.26	2.08
nc32	0.73	1.13	0.79	0.65	1.85	1.48
nc33	0.64	1.02	0.71	0.51	1.03	1.12
nc34	0.42	0.61	0.45	0.38	0.70	0.85
nc35	0.22	0.40	0.25	0.24	0.41	0.51
Paraffin	33.19	26.78	34.53	27.47	13.75	18.00
Isoprenoid	7.15	11.67	6.26	6.99	2.49	2.49
Naphtlene	59.66	61.55	59.20	65.53	83.76	79.49
CPI 1 Index	1.03	1.05	1.07	1.03	1.03	0.99
CPI 2 Index	1.12	1.12	1.14	1.19	1.12	1.07
CPI 3 Index	1.05	1.06	1.07	1.02	1.06	0.97
Prist/Phytane	2.05	2.38	3.19	1.82	1.42	1.38
Prist/nc17	0.91	0.83	0.79	1.11	0.64	0.83
Phytane/nc18	0.44	0.40	0.28	0.63	0.63	0.56

Job Number : 1947

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

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

$$C.P.I. 3 = \frac{2 \times (C_{27})}{C_{25} + C_{28}}$$

CT - ditch cuttings CO - core SWC - sidewall core

TABLE 17
COMPOSITION (NORMALISED %) OF C₁₅₊ SATURATE (PARAFFIN - NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	025A	026A	027A	028A	029A	030A
DEPTH	1313m	1315m	1316m	1320m	1322m	1325m
SAMPLE TYPE						
nC15	3.39	8.54	10.69	8.63	9.63	10.23
nC16	4.66	8.27	9.35	7.41	8.75	8.50
nC17	5.50	8.63	9.59	8.37	8.05	8.09
nC18	6.77	8.89	9.37	6.97	7.53	7.67
nC19	6.65	8.63	7.98	6.89	7.18	6.93
nC20	7.49	7.57	6.99	6.36	7.09	6.85
nC21	7.87	7.92	6.67	6.45	6.39	7.01
nC22	7.58	7.31	7.07	7.24	7.09	7.34
nC23	7.92	6.34	6.10	6.36	6.87	5.45
nC24	6.94	6.95	5.55	6.02	6.83	6.60
nC25	6.22	5.19	4.94	5.49	5.38	4.79
nC26	5.50	3.87	3.53	5.14	3.76	4.29
nC27	5.38	3.35	3.21	4.45	3.72	3.80
nC28	3.90	2.02	2.29	3.84	3.19	3.30
nC29	3.73	2.29	2.22	3.40	2.54	2.89
nC30	2.62	1.14	1.27	2.18	1.93	2.06
nC31	2.46	0.88	1.11	2.01	1.44	1.65
nC32	1.69	0.53	0.80	1.05	0.96	0.83
nC33	1.52	0.53	0.58	0.78	0.74	0.74
nC34	1.27	0.53	0.42	0.61	0.57	0.58
nC35	0.93	0.62	0.26	0.35	0.35	0.41
Paraffin	29.41	17.17	13.09	17.34	28.20	11.93
Isoprenoid	3.38	3.06	2.85	3.47	6.47	2.63
Naphthene	67.21	79.77	84.06	79.19	65.31	85.43
CPI 1 Index	1.07	1.01	1.02	0.97	0.99	0.91
CPI 2 Index	1.12	1.19	1.18	1.08	1.08	1.03
CPI 3 Index	1.14	1.14	1.10	0.99	1.07	1.00
Prist/Phytane	1.37	1.63	1.56	1.51	1.51	1.56
Prist/nC17	0.88	0.84	0.83	0.77	0.89	0.98
Phytane/nC18	0.53	0.50	0.54	0.61	0.63	0.66

Job Number : 1947

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

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

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

CT - ditch cuttings CO - core SWC - sidewall core

TABLE 17
COMPOSITION (NORMALISED %) OF C₁₅₊ SATURATE (PARAFFIN - NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	031A	032A	033A	034A	035A	036A
DEPTH	1328m	1330m	1333m	1336m	1339m	1342m
SAMPLE TYPE						
nC15	10.86	9.11	11.61	13.19	11.07	10.86
nC16	9.35	9.03	9.40	10.39	10.59	9.95
nC17	8.15	8.86	8.22	8.45	8.48	8.71
nC18	8.03	8.12	7.42	8.17	7.95	8.74
nC19	7.69	8.99	6.99	7.79	8.29	7.89
nC20	7.76	8.64	6.37	6.73	7.02	7.36
nC21	6.14	7.45	6.09	7.26	6.44	6.78
nC22	7.44	7.25	6.86	6.81	5.75	6.96
nC23	7.32	6.65	5.99	6.30	5.86	5.85
nC24	6.38	6.04	6.13	5.32	5.29	4.93
nC25	5.27	4.03	4.94	4.03	4.94	4.77
nC26	3.78	3.62	4.09	3.75	3.95	3.63
nC27	3.18	3.02	4.12	2.46	3.19	3.54
nC28	2.26	2.62	2.77	2.22	2.93	2.55
nC29	2.26	2.22	2.75	1.79	2.42	2.49
nC30	1.38	1.41	1.88	1.51	1.60	1.53
nC31	1.11	1.21	1.44	1.27	1.44	1.29
nC32	0.66	0.60	0.97	0.88	0.88	0.74
nC33	0.51	0.52	0.81	0.67	0.80	0.64
nC34	0.37	0.40	0.66	0.63	0.68	0.51
nC35	0.07	0.20	0.48	0.37	0.42	0.28
Paraffin	33.67	22.52	34.78	32.75	22.98	27.82
Isoprenoid	7.57	13.22	9.03	9.58	6.08	7.81
Naphtlene	58.76	64.25	56.17	57.66	70.94	64.36
CPI 1 Index	0.98	0.96	0.98	1.00	1.03	1.04
CPI 2 Index	1.16	1.02	1.13	0.94	1.08	1.19
CPI 3 Index	1.05	0.97	1.20	0.82	0.93	1.15
Prist/Phytane	1.52	1.71	1.90	1.62	1.87	1.60
Prist/nC17	0.88	0.93	1.19	1.00	1.07	0.94
Phytane/nC18	0.59	0.60	0.69	0.74	0.61	0.57

Job Number : 1947

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

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

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

CT - ditch cuttings CO - core SWC - sidewall core

TABLE 17
COMPOSITION (NORMALISED %) OF C₁₅₊ SATURATE (PARAFFIN - NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	037A	038A	039A	040A	041A	042A
DEPTH	1344m	1347m	1350m	1352m	1355m	1356m
SAMPLE TYPE						
nC15	10.83	8.42	10.05	10.26	10.20	8.80
nC16	9.95	8.81	8.78	9.81	8.55	8.05
nC17	9.29	7.65	8.28	9.20	8.18	9.07
nC18	8.40	6.99	7.72	9.35	7.34	7.20
nC19	6.34	6.77	6.70	7.84	7.27	7.17
nC20	6.93	6.84	6.06	7.08	6.67	6.68
nC21	5.67	5.87	7.06	6.83	7.02	6.46
nC22	6.04	7.39	6.95	6.12	6.59	6.50
nC23	5.45	6.50	6.01	6.57	6.53	5.58
nC24	5.82	6.25	5.95	5.56	5.52	5.76
nC25	5.90	5.50	5.56	5.36	5.05	4.80
nC26	4.42	4.32	4.35	4.55	4.08	4.28
nC27	3.98	4.06	3.99	3.29	3.33	3.80
nC28	2.95	3.51	3.13	2.53	2.95	3.60
nC29	2.95	3.12	2.99	2.12	2.87	3.31
nC30	1.62	2.26	1.88	1.16	2.18	2.44
nC31	1.40	1.84	1.50	0.96	1.77	2.05
nC32	0.66	1.24	1.00	0.40	1.21	1.53
nC33	0.59	1.08	0.83	0.46	1.10	1.37
nC34	0.52	0.94	0.72	0.35	0.95	1.16
nC35	0.29	0.63	0.50	0.20	0.66	0.38
Paraffin	22.47	12.51	13.64	14.57	10.29	12.64
Isoprenoid	5.64	2.11	2.59	4.05	2.48	2.85
Naphttene	71.89	85.39	83.76	81.38	87.22	84.51
CPI 1 Index	1.00	0.95	1.04	1.06	1.05	0.96
CPI 2 Index	1.22	1.09	1.14	1.10	1.07	1.02
CPI 3 Index	1.08	1.04	1.07	0.93	0.95	0.96
Prist/Phytane	2.25	1.76	1.72	1.62	1.79	1.71
Prist/nC17	1.00	0.88	0.80	0.80	1.09	1.18
Phytane/nC18	0.49	0.55	0.50	0.48	0.67	0.73

Job Number : 1947

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

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

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

CT - ditch cuttings CO - core SWC - sidewall core

TABLE 17
COMPOSITION (NORMALISED %) OF C₁₅₊ SATURATE (PARAFFIN - NAPHTHENE) HYDROCARBONS

GEOCHEM SAMPLE NUMBER	043A	044A
DEPTH	1360m	1362m
SAMPLE TYPE		
nC15	11.76	10.84
nC16	10.82	10.27
nC17	9.21	10.21
nC18	7.35	7.32
nC19	7.19	8.91
nC20	6.56	7.19
nC21	5.85	7.18
nC22	7.27	6.42
nC23	7.09	6.21
nC24	5.38	5.13
nC25	4.83	5.20
nC26	3.77	3.59
nC27	3.56	3.34
nC28	2.60	2.28
nC29	2.52	2.04
nC30	1.56	1.11
nC31	1.10	0.93
nC32	0.61	0.83
nC33	0.47	0.44
nC34	0.31	0.29
nC35	0.20	0.26
Paraffin	13.50	14.35
Isoprenoid	3.46	2.59
Naphtlene	83.04	83.06
CPI 1 Index	1.02	1.12
CPI 2 Index	1.15	1.21
CPI 3 Index	1.12	1.14
Prist/Phytane	1.56	2.54
Prist/nC17	0.89	0.48
Phytane/nC18	0.72	0.26

Job Number : 1947

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

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

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

CT - ditch cuttings CO - core SWC - sidewall core

TABLE 18
CARBON ISOTOPE COMPOSITIONS (‰, PDB)

JOB 1947								
GEOCHEM SAMPLE NUMBER	DEPTH/ IDENTITY	TOTAL EXTRACT WHOLE OIL	SATURATES	AROMATICS	NSO	ASPHALTENES	KEROGEN	PYROLYSATE (S2)

WELL: 7321/9-1 SWCs

1947-002A	955.0m	-29.03	-29.86	-28.06	-28.64	-27.26	-25.70	
1947-003A	960.0m	-29.96	-30.37	-29.52	-29.31	-28.87	-28.71	
1947-004A	962.5m	-30.24	-30.67	-29.95	-29.54	-29.14	-29.00	-30.55
1947-006A	967.0m	-29.93	-30.39	-29.45	-29.34	-28.82	-28.78	-30.21
1947-007A	970.0m	-30.07	-30.36	-29.79	-29.28	-28.56	-28.35	
1947-008A	974.0m	-30.06	-30.77	-30.03	-29.70	-29.49	-29.28	-29.81
1947-010A	977.0m	-29.98	-30.56	-29.70	-29.57	-29.22	-28.83	
1947-011A	979.0m	-30.15	-30.50	-29.57	-29.54	-29.62	-29.03	-31.04
1947-012A	982.0m	-29.73	-30.21	-29.53	-29.72	-28.56	-27.97	
1947-013A	984.0m	-30.11	-30.39	-30.15	-29.88	-30.01	-30.02	-30.31
1947-015A	987.0m	-29.44	-30.11	-29.08	-28.74	-27.82	-27.29	
1947-016A	990.0m	-28.95	-29.57	-28.39	-28.50	-27.43	-26.57	
1947-017A	995.0m	-29.36	-30.09	-27.31	-28.15	-27.33	-26.68	
1947-020A	1302.5m	-27.65	-29.16	-28.71	-28.57	-26.81	-26.12	
1947-023A	1308.0m	-28.48	-28.98	-28.53	-28.30	-28.07	-28.42	
1947-025A	1313.0m	-29.84	-30.00	-29.73	-29.51	-28.56	-27.94	
1947-028A	1320.0m	-30.94	-31.53	-30.41	-30.38	-29.67	-30.02	-31.00
1947-029A	1322.0m	-30.63	-31.58	-30.30	-30.13	-29.57	-29.47	
1947-030A	1325.0m	-30.52	-31.11	-30.14	-30.01	-29.35	-29.20	-29.88
1947-031A	1328.0m	-30.51	-31.29	-30.76	-30.03	-29.62	-29.63	
1947-033A	1333.0m	-30.34	-31.34	-30.30	-30.12	-29.46	-29.40	
1947-034A	1336.0m	-30.58	-30.91	-30.04	-29.83	-29.00	-28.58	-30.94
1947-035A	1339.0m	-30.53	-31.20	-30.12	-29.94	-29.28	-29.03	
1947-037A	1344.0m	-30.60	-30.84	-29.69	-30.39	-29.03	-28.37	
1947-039A	1350.0m	-30.46	-31.10	-30.06	-29.96	-29.50	-29.04	
1947-042A	1356.0m	-29.18	-29.70	-28.43	-28.72	-28.05	-27.31	-28.08
1947-044A	1362.0m	-27.83	-28.65	-27.07	-27.74	-26.77	-25.57	



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REPORT

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REPORT TITLE:

ANALYSIS OF HEADSPACE AND OCCLUDED GAS
(C₁-C₉) OF SEALED CORE SAMPLES FROM
WELL 7321/9-1.
Data report.

REPORT NO.: 22.1912.00/01/89

AUTHORS:

Hermann M. Weiss

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CLIENT:

Norsk Hydro a.s, Harstad, attn: Jan H. Augustson

SUMMARY:

This report contains tables with analytical data from gas chromatographic analysis of headspace and occluded gas from 22 sealed core samples from Barents Sea Well 7321/9-1. The yields (µl/kg dry rock) and relative proportions (vol %) of 74 hydrocarbon compounds ranging from C₁ to n-C₉ are reported.

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OLJEDIREKTORATET

KEY WORDS: Barents Sea	Well 7321/9-1
Organic Geochemistry	
Gas analysis	

PREFACE

The laboratory work was carried out by Wenche Andersen and Grete Haugen.

CONTENTS

	PAGE
1. INTRODUCTION	4
2. EXPERIMENTAL METHODS	4
3. COMMENTS ON SAMPLES AND ANALYTICAL DATA	5
FIGURES	6
Figure 1: Frequency distribution of the water content of the core samples.	7
TABLES	8
Table 1: Sample identification and experimental data.	9
Table 2: Yield of headspace and occluded gas compounds.	10
Table 3: Composition of headspace and occluded gas.	17

1. INTRODUCTION

Twenty-two core samples from Barents Sea well 7321/9-1 were received from Norsk Hydro for gas chromatographic analysis of the hydrocarbons contained in the headspace and the occluded gas (C_1 - C_8) according to order no. K02774-00/UP-U015. The core bits were delivered in sealed glass jars.

This report contains the results of the gas chromatographic analyses. The hydrocarbon concentrations are expressed as μ l gas per kg of dried sample. The hydrocarbon composition is expressed as volume percent of all recorded hydrocarbons.

2. EXPERIMENTAL METHODS

Headspace gas:

The central part of the sealing material which covered the whole metal lid of the glass was punched out, and a septum was attached to the lid. The metal was then punctured, and a sample of the headspace gas was taken for analysis of C_1 - C_8 hydrocarbons.

The gas was analysed on an HP 5880 gas chromatograph fitted with a 50 m x 0.2 mm i.d. fused silica column, coated with 0.5 μ m OV-101, and equipped with 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 glass was then opened and headspace volume and sample weight were determined. Then the samples were dried.

Occluded gas:

Prior to drying, an aliquot 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 by drying the uncrushed rest of the core sample at 35°C for at least 24 hours.

3. COMMENTS ON SAMPLES AND ANALYTICAL DATA

The core samples were received at ambient temperature and were contained in "side-wall core glasses" of ca. 100 ml volume which were sealed with a rubber-like material ("wax"). As no water had been added, the more porous samples had probably lost part of their pore water. This is reflected in the relatively low water contents of a number of samples. The gas composition of these samples may therefore not necessarily be comparable with the one of wet cuttings. As the samples were stored at ambient temperature, secondary alteration of the gas by bacterial activity cannot be completely ruled out.

FIGURES

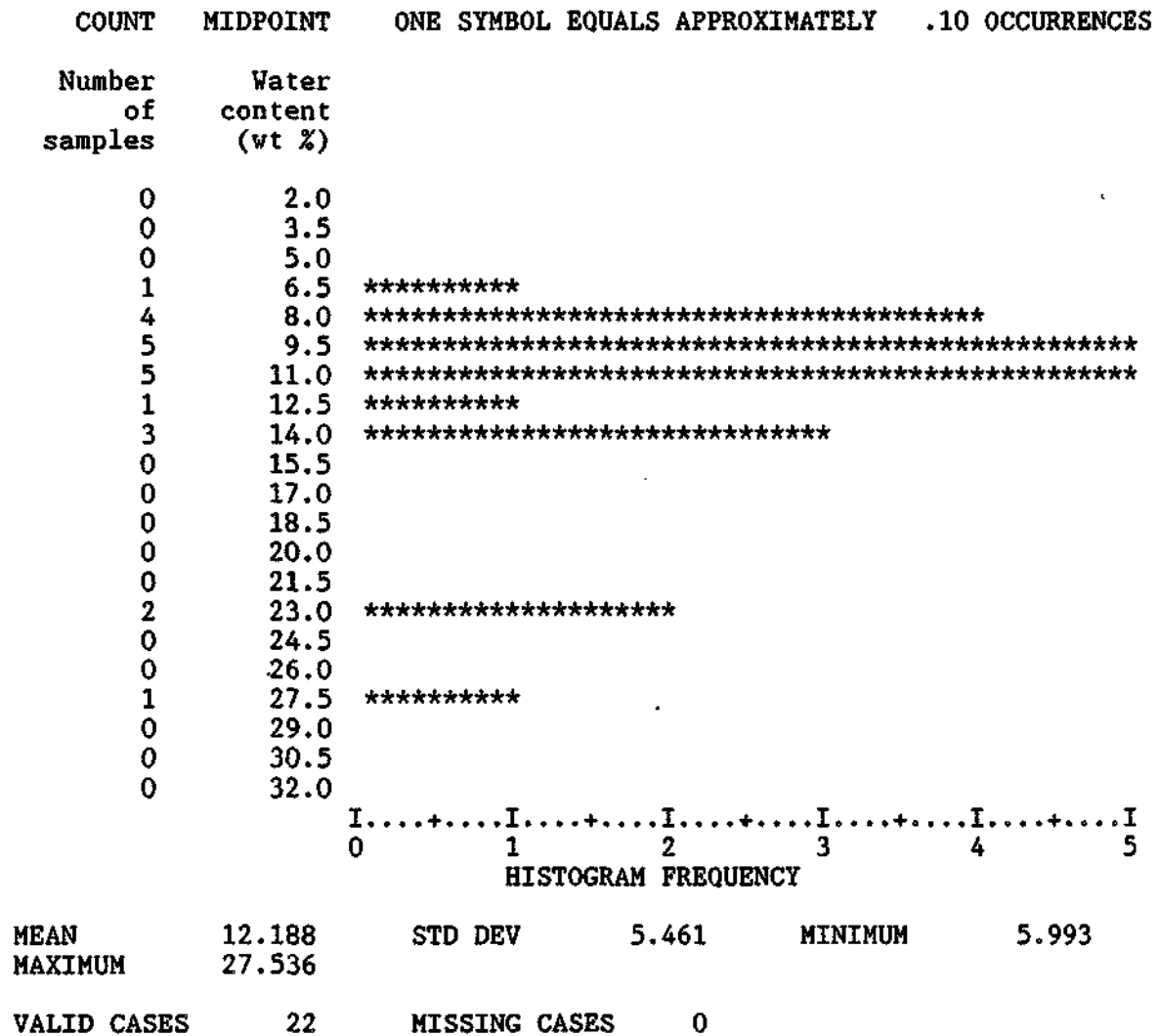


Figure 1: Frequency distribution of the water content of the core samples.

TABLES

Table 1: Sample identification and experimental data.

IKU-ID	Depth (m)	Lithology	Total weight (dry) (g)	Water cont. (wt%)	Total sample volume (ml)	Head-space vol. (ml)	Wt. occl. (dry) (g)	Gas vol. occl. (ml)
389391	1365.35	shale	25.3	8.0	.	50	18.4	33.0
389401	1365.50	shale	19.8	27.5	.	60	14.8	32.5
389411	1365.70	shale	32.0	13.1	.	55	17.4	33.5
389421	1365.85	shale	49.9	7.4	.	45	18.5	35.5
389431	1366.05	shale	25.2	22.8	.	55	15.7	34.5
389441	1366.20	shale	32.4	22.7	.	55	15.7	33.5
389451	1366.40	shale	44.0	6.0	.	50	18.9	34.0
389461	1366.45	shale	37.8	13.8	.	50	17.2	35.0
389471	1366.90	siltstone	43.1	14.5	.	50	17.1	36.0
389481	1367.50	siltstone	50.1	10.4	.	50	18.2	34.5
389491	1368.50	siltstone	40.1	10.2	.	50	18.2	35.0
389501	1369.55	siltstone	35.0	10.6	.	55	18.1	36.0
389511	1369.82	siltstone	45.8	8.5	.	45	18.9	35.5
389521	1371.50	siltstone	44.6	9.9	.	50	18.2	35.5
389531	1372.50	siltstone	42.9	8.8	.	50	18.1	33.5
389541	1374.10	siltstone	48.2	10.3	.	45	18.5	33.5
389551	1375.35	siltstone	46.7	8.3	.	47	19.0	33.5
389561	1375.62	siltstone	35.3	9.6	.	50	19.3	32.0
389571	1376.52	siltstone	38.1	9.3	.	47	17.7	33.0
389581	1377.50	siltstone	32.0	14.4	.	53	18.9	32.0
389591	1378.50	siltstone	35.5	10.9	.	50	20.8	32.0
389601	1378.87	conglom.	42.1	11.2	.	50	18.3	32.5

Comments:

Headspace volume relates to atmospheric pressure.

Gas volume occl. is the volume of the headspace in the ball mill.

Table 2: Yield of headspace and occluded gas compounds.

IKU Project 22.1912.00 Well 7321/9-1 Norsk Hydro et al.
 YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS (microliters gas per kg dry sediment)

IKU-ID	389391	389392	389401	389402	389411	389412	389421	389422
DEPTH	1365.35mH	1365.35mO	1365.50mH	1365.50mO	1365.70mH	1365.70mO	1365.85mH	1365.85mO
COMPOUND								
Methane	0.00	300.01	0.00	310.70	0.00	259.59	836.36	210.54
Ethene	0.00	26.47	0.00	49.15	0.00	40.87	0.00	23.81
Ethane	0.00	26.26	0.00	42.05	0.00	25.26	1493.48	101.72
Propene	0.00	15.32	0.00	29.18	0.00	18.06	0.00	0.00
Propane	0.00	0.00	57.82	29.03	33.91	71.14	1973.38	350.76
i-Butane	0.00	0.00	31.91	22.60	27.55	114.07	489.66	173.89
? RI= 360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	0.00	12.91	34.18	90.69	73.87	381.28	807.34	551.40
2,2-DMC3	0.00	0.00	0.00	0.00	0.00	0.00	12.32	0.00
i-Pentane	0.00	23.71	0.00	70.18	29.72	293.51	246.90	368.20
n-Pentane	0.00	55.22	0.00	70.73	31.38	391.66	214.96	484.78
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	0.00	0.00	0.00	0.00	0.00	17.50	7.68	20.01
CyC5	0.00	0.00	0.00	0.00	0.00	15.13	16.12	33.87
2,3-DMC4	0.00	0.00	0.00	7.93	0.00	29.07	10.61	34.33
2-MC5	0.00	36.07	0.00	54.44	7.39	166.23	45.41	184.75
3-MC5	0.00	18.37	0.00	30.00	0.00	93.74	27.06	107.11
n-Hexane	0.00	68.58	0.00	58.76	11.02	241.16	55.15	275.71
2,2-DMC5	0.00	0.00	0.00	0.00	0.00	7.57	0.00	7.45
MCyC5	0.00	15.37	0.00	32.04	10.11	112.98	47.62	161.07
2,4-DMC5	0.00	0.00	0.00	0.00	0.00	14.38	0.00	14.49
TMC4	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	22.70	14.82	55.51	115.79
3,3-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	0.00	16.63	0.00	35.53	15.78	137.66	62.10	213.33
2-MC6	0.00	17.67	0.00	24.66	0.00	61.72	8.40	62.58
2,3-DMC5	0.00	0.00	0.00	9.31	0.00	21.39	3.14	21.43
1,1-DMC5	0.00	0.00	0.00	0.00	0.00	12.67	0.00	14.28
3-MC6	0.00	18.40	0.00	28.00	0.00	64.48	8.79	65.15
DMCyC5	0.00	0.00	0.00	8.43	0.00	21.20	4.45	23.72
DMCyC5	0.00	6.28	0.00	10.36	0.00	24.07	4.75	26.60
DMCyC5	0.00	8.79	0.00	15.22	0.00	34.33	7.12	37.86
n-Heptane	0.00	40.32	0.00	53.10	0.00	123.82	15.93	131.48
MCyC6	0.00	55.35	0.00	94.76	17.29	236.73	50.79	273.31
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6	0.00	0.00	0.00	8.37	0.00	16.58	0.00	17.04
TMCyC5	0.00	0.00	0.00	0.00	0.00	8.86	0.00	8.37
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.00	7.73	0.00	0.00	37.33	45.42	36.08	119.11
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-Et,2-MC5	0.00	8.43	0.00	0.00	0.00	0.00	0.00	0.00
2-MC7	0.00	0.00	0.00	16.80	0.00	27.69	0.00	25.94
4-MC7	0.00	0.00	0.00	0.00	0.00	9.03	0.00	8.73
3,4-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MC7	0.00	6.26	0.00	12.63	0.00	20.81	0.00	19.94
DMCyC6	0.00	8.11	0.00	14.47	0.00	24.72	3.16	24.81
DMCyC6	0.00	0.00	0.00	0.00	0.00	11.15	0.00	11.40
DMCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	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	15.41	0.00	31.31	0.00	49.15	4.76	49.39
? RI= 806	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 820	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 826	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EtCyC6	0.00	0.00	0.00	9.64	0.00	14.38	0.00	15.79
unsp.Napht	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 846	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EtBenzene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 859	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
m+p-Xylene	0.00	0.00	0.00	0.00	6.67	13.61	4.33	23.51
4--+2-MC8?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 883	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 891	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MC8+C4CyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C4CyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Nonane	0.00	0.00	0.00	7.88	0.00	9.45	0.00	9.04
SUM:	0.0	807.6	123.9	1278.0	324.7	3296.9	6553.4	4422.5

IKU Project 22.1912.00 Well 7321/9-1 Norsk Hydro et al.
 YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS (microliters gas per kg dry sediment)

IKU-ID DEPTH	389431 1366.05mH	389432 1366.05mO	389441 1366.20mH	389442 1366.20mO	389451 1366.40mH	389452 1366.40mO	389461 1366.65mH	389462 1366.65mO
COMPOUND								
Methane	1012.94	527.32	0.00	337.75	0.00	288.44	0.00	308.94
Ethene	0.00	93.55	0.00	31.09	0.00	31.84	0.00	44.28
Ethane	1168.60	115.19	0.00	30.06	0.00	24.61	0.00	32.11
Propene	0.00	53.64	0.00	18.01	0.00	15.43	0.00	21.77
Propane	2204.08	491.90	0.00	19.74	0.00	21.95	12.70	81.17
i-Butane	443.84	271.52	0.00	34.52	8.16	39.14	8.90	99.83
? RI= 360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Butene	0.00	16.17	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	989.52	849.60	0.00	123.29	30.49	154.31	26.06	322.63
2,2-DMC3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Pentane	257.13	436.19	0.00	157.47	18.51	151.09	9.72	231.98
n-Pentane	197.04	530.86	7.21	230.68	26.10	223.50	10.94	297.42
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	7.97	22.22	0.00	13.31	0.00	11.37	0.00	15.85
CyC5	23.55	31.51	0.00	7.49	0.00	10.70	0.00	13.98
2,3-DMC4	12.72	37.40	0.00	21.68	0.00	19.95	0.00	26.90
2-MC5	51.88	194.72	0.00	121.07	8.28	106.88	0.00	132.53
3-MC5	33.00	113.17	0.00	68.45	5.19	61.54	0.00	78.16
n-Hexane	13.34	273.76	0.00	187.98	14.05	168.97	0.00	204.22
2,2-DMC5	0.00	8.48	0.00	0.00	0.00	0.00	0.00	7.12
MCyC5	69.34	164.30	0.00	77.39	12.91	84.55	4.72	107.30
2,4-DMC5	0.00	16.37	0.00	11.31	0.00	9.86	0.00	12.41
TMC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.00	13.05	6.71	17.24	32.90	43.95	9.27	16.22
3,3-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	104.46	215.75	6.15	101.44	21.68	118.28	8.08	148.53
2-MC6	9.82	68.74	0.00	50.42	0.00	44.36	0.00	55.57
2,3-DMC5	0.00	23.86	0.00	16.86	0.00	14.90	0.00	18.82
1,1-DMC5	0.00	15.67	0.00	10.09	0.00	9.43	0.00	12.33
3-MC6	12.90	72.01	0.00	51.70	0.00	45.59	0.00	57.12
DMCyC5	0.00	25.42	0.00	16.26	0.00	15.34	0.00	19.41
DMCyC5	7.73	28.72	0.00	18.50	0.00	17.36	0.00	21.81
DMCyC5	11.74	40.94	0.00	26.07	0.00	24.34	0.00	30.38
n-Heptane	0.00	137.60	0.00	106.01	7.14	94.25	0.00	118.06
MCyC6	96.73	308.08	10.39	209.39	28.07	212.76	9.71	277.52
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6	0.00	19.38	0.00	13.31	0.00	12.74	0.00	16.08
TMCyC5	0.00	9.47	0.00	0.00	0.00	0.00	0.00	7.26
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.00	44.87	16.04	61.56	30.85	77.01	20.44	65.71
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-Et,2-MC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MC7	0.00	28.87	0.00	20.12	0.00	18.13	0.00	23.56
4-MC7	0.00	9.69	0.00	0.00	0.00	0.00	0.00	8.14
3,4-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MC7	0.00	22.57	0.00	16.56	0.00	15.43	0.00	20.47
DMCyC6	7.57	29.51	0.00	21.81	0.00	21.16	0.00	28.69
DMCyC6	0.00	13.54	0.00	10.09	0.00	9.93	0.00	13.55
DMCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	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	54.45	0.00	41.61	0.00	39.54	0.00	52.99
? RI= 806	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.16
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 820	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 826	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EtCyC6	0.00	17.21	0.00	12.87	0.00	13.85	0.00	17.36
unsp. Napht	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 846	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EtBenzene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 859	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
m+p-Xylene	0.00	15.80	0.00	19.52	4.63	21.23	4.95	26.49
4-+2-MC8?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 883	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 891	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MC8+C4CyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C4CyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Nonane	0.00	10.06	0.00	0.00	0.00	7.70	0.00	10.62
SUM:	6735.9	5473.2	46.5	2332.7	249.0	2301.4	125.5	3112.5

IKU Project 22.1912.00 Well 7321/9-1 Norsk Hydro et al.
 YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS (microliters gas per kg dry sediment)

IKU-ID	389471	389472	389481	389482	389491	389492	389501	389502
DEPTH	1366.90mH	1366.90mO	1367.50mH	1367.50mO	1368.50mH	1368.50mO	1369.55mH	1369.55mO
COMPOUND								
Methane	0.00	393.31	218.09	1275.76	520.67	1228.40	288.70	1615.23
Ethene	0.00	34.59	0.00	78.00	0.00	59.92	0.00	61.76
Ethane	0.00	32.34	167.74	98.06	347.01	84.81	241.37	102.85
Propene	0.00	18.51	0.00	47.37	0.00	31.77	0.00	34.37
Propane	0.00	30.61	437.00	74.00	637.19	76.79	558.93	66.13
i-Butane	0.00	34.38	114.05	18.61	184.98	23.56	163.48	17.98
? RI= 360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Butene	0.00	0.00	0.00	15.60	0.00	0.00	0.00	0.00
n-Butane	0.00	131.35	261.17	65.28	274.83	64.94	314.41	52.77
2,2-DMC3	0.00	0.00	0.00	0.00	7.83	0.00	0.00	0.00
i-Pentane	0.00	115.43	108.98	36.40	127.53	41.88	141.29	31.27
n-Pentane	0.00	164.99	108.01	54.97	83.38	47.23	88.68	31.11
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	0.00	9.05	8.27	0.00	10.99	0.00	11.77	0.00
CyC5	0.00	0.00	8.68	6.88	6.47	0.00	7.61	0.00
2,3-DMC4	0.00	15.68	11.97	6.94	12.27	8.44	12.82	0.00
2-MC5	0.00	79.49	49.49	36.72	40.96	35.13	39.19	19.43
3-MC5	0.00	46.61	30.48	24.98	25.87	23.25	25.21	13.80
n-Hexane	0.00	128.34	83.73	90.69	54.39	68.62	48.27	35.78
2,2-DMC5	0.00	0.00	3.95	0.00	0.00	0.00	0.00	0.00
MCyC5	0.00	60.65	50.50	55.65	35.32	38.58	36.66	26.99
2,4-DMC5	0.00	0.00	6.31	7.43	4.88	0.00	0.00	0.00
TMC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.00	11.14	74.46	46.10	36.83	22.27	49.94	22.59
3,3-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	0.00	84.97	84.67	105.91	59.89	73.06	65.09	56.51
2-MC6	0.00	35.24	33.20	51.77	21.05	36.90	21.98	23.27
2,3-DMC5	0.00	11.75	11.13	16.57	7.94	12.62	8.42	8.25
1,1-DMC5	0.00	7.62	7.44	10.01	5.79	7.96	6.19	0.00
3-MC6	0.00	36.00	35.23	56.47	22.29	39.37	23.82	25.88
DMCyC5	0.00	11.68	10.69	16.32	6.75	10.71	7.17	7.40
DMCyC5	0.00	13.22	12.49	19.77	7.98	13.13	8.50	9.27
DMCyC5	0.00	18.13	17.34	27.56	11.78	18.98	12.59	13.78
n-Heptane	0.00	74.80	86.82	167.50	48.39	101.21	55.22	74.21
MCyC6	4.70	180.25	202.05	364.90	128.77	226.25	147.29	184.16
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	0.00	4.13	8.26	0.00	0.00	0.00	0.00
2,4-DMC6	0.00	10.23	13.56	27.30	8.15	16.65	10.09	14.02
TMCyC5	0.00	0.00	5.97	12.59	0.00	8.08	0.00	0.00
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	9.71	44.86	124.81	147.12	80.25	88.04	108.02	92.98
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-Et,2-MC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MC7	0.00	14.46	25.25	57.80	15.26	35.38	21.83	34.21
4-MC7	0.00	0.00	9.27	21.69	5.45	13.13	7.94	12.83
3,4-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MC7	0.00	13.33	23.66	56.41	14.64	33.92	20.81	33.69
DMCyC6	0.00	19.39	29.77	70.36	19.51	43.33	26.24	43.18
DMCyC6	0.00	11.12	14.57	34.29	8.90	20.35	11.80	20.03
DMCyC6	0.00	0.00	6.40	14.75	0.00	8.65	0.00	8.61
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	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	34.36	67.92	172.16	43.12	102.56	63.63	111.98
? RI= 806	0.00	0.00	7.78	19.09	5.27	11.87	7.18	12.37
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 820	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 826	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6?	0.00	0.00	4.82	19.83	0.00	7.62	0.00	8.51
EtCyC6	0.00	11.68	23.79	61.55	16.36	39.40	24.44	44.79
unsp.Napht	0.00	0.00	4.96	13.91	0.00	9.33	5.69	10.66
? RI= 846	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EtBenzene	0.00	0.00	5.99	12.42	5.16	9.02	7.24	10.88
? RI= 859	0.00	0.00	4.49	13.31	0.00	8.94	5.63	10.68
m+p-Xylene	0.00	16.42	53.14	112.56	45.32	82.10	64.10	100.22
4-+2-MC8?	0.00	0.00	9.09	23.75	7.21	15.79	10.51	19.87
? RI= 883	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene	0.00	0.00	9.28	17.27	8.00	12.88	10.80	16.65
? RI= 891	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MC8+C4CyC6	0.00	0.00	4.37	13.76	0.00	8.77	0.00	11.79
C4CyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Nonane	0.00	0.00	22.50	62.01	18.98	42.69	27.61	56.17
SUM:	14.4	1956.0	2719.5	3868.4	3033.6	3014.3	2818.1	3208.9

IKU Project 22.1912.00 Well 7321/9-1 Norsk Hydro et al.
 YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS (microliters gas per kg dry sediment)

IKU-ID	389511	389512	389521	389522	389531	389532	389541	389542
DEPTH	1369.82mH	1369.82mO	1371.50mH	1371.50mO	1372.50mH	1372.50mO	1374.10mH	1374.10mO
COMPOUND								
Methane	77.61	1238.39	220.59	1782.76	659.88	1416.29	170.51	2034.83
Ethene	0.00	59.15	0.00	68.46	0.00	61.85	0.00	84.91
Ethane	54.81	82.04	310.64	115.78	646.79	106.44	32.98	128.19
Propene	0.00	33.79	0.00	36.71	0.00	31.30	0.00	55.05
Propane	159.05	43.41	674.84	80.75	995.08	80.84	93.42	63.41
i-Butane	32.90	0.00	165.29	19.92	228.90	20.19	16.64	12.37
? RI= 360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Butene	0.00	10.54	0.00	11.43	0.00	10.18	0.00	19.43
n-Butane	75.63	26.22	472.51	76.21	498.85	70.91	42.46	31.33
2,2-DMC3	0.00	0.00	7.12	0.00	8.66	0.00	0.00	0.00
i-Pentane	27.91	12.30	228.45	52.06	211.60	43.36	14.08	12.75
n-Pentane	26.28	16.72	250.59	83.19	195.50	62.32	20.48	20.19
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	0.00	0.00	18.88	0.00	16.52	0.00	0.00	0.00
CyC5	0.00	0.00	23.36	12.74	17.94	8.79	0.00	0.00
2,3-DMC4	3.50	0.00	29.42	14.04	23.03	10.09	0.00	0.00
2-MC5	12.41	11.27	123.52	65.64	90.64	44.98	9.82	12.97
3-MC5	7.84	7.64	78.68	45.41	58.04	31.72	6.13	8.60
n-Hexane	20.05	26.80	216.29	159.16	156.32	108.74	19.62	34.55
2,2-DMC5	0.00	0.00	9.97	7.90	7.61	0.00	0.00	0.00
MCyC5	12.40	15.18	141.28	113.11	104.35	75.37	10.98	17.24
2,4-DMC5	0.00	0.00	16.66	13.26	12.30	9.03	0.00	0.00
TMC4	0.00	0.00	4.52	0.00	0.00	0.00	0.00	0.00
Benzene	22.80	18.46	181.07	86.41	153.12	46.86	28.51	27.69
3,3-DMC5	0.00	0.00	7.23	0.00	5.64	0.00	0.00	0.00
CyC6	24.24	34.79	234.30	219.77	177.31	145.72	19.64	34.59
2-MC6	10.06	19.20	83.34	90.51	63.89	63.32	8.23	19.74
2,3-DMC5	3.72	0.00	27.95	29.90	21.40	20.60	0.00	0.00
1,1-DMC5	0.00	0.00	19.17	19.86	14.64	13.49	0.00	0.00
3-MC6	10.82	20.98	87.65	99.38	67.73	69.78	8.75	21.13
DMCyC5	0.00	0.00	27.09	30.86	20.89	21.32	0.00	0.00
DMCyC5	3.66	6.80	31.31	36.59	24.30	25.58	0.00	7.17
DMCyC5	5.51	10.09	43.44	50.73	33.86	35.35	4.35	9.96
n-Heptane	27.39	65.57	201.73	270.25	165.40	200.30	23.29	64.37
MCyC6	69.87	142.71	468.25	646.45	384.91	464.72	56.43	133.91
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	0.00	9.66	13.34	7.87	9.85	0.00	0.00
2,4-DMC6	5.02	11.83	30.77	44.96	25.91	33.46	3.76	10.68
TMCyC5	0.00	0.00	13.78	20.50	11.50	15.20	0.00	0.00
TMCyC5	0.00	0.00	7.21	9.67	6.04	8.20	0.00	0.00
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	57.92	86.27	243.15	235.76	220.80	155.12	48.53	82.57
TMCyC5	0.00	0.00	9.22	13.91	9.48	6.94	0.00	0.00
2,3-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-Et,2-MC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MC7	11.59	31.67	56.22	90.00	48.93	67.02	8.33	24.63
4-MC7	4.25	11.83	21.31	34.56	18.73	25.04	0.00	9.18
3,4-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MC7	11.28	31.22	52.52	87.21	46.04	64.70	8.04	24.25
DMCyC6	14.23	39.13	61.22	107.34	54.24	80.94	10.26	30.33
DMCyC6	6.33	18.03	30.64	52.72	26.53	39.57	4.65	13.78
DMCyC6	0.00	8.49	12.91	23.31	11.47	17.16	0.00	0.00
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.00	0.00	0.00	7.00	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	34.63	106.39	135.38	242.41	123.31	190.39	24.62	77.23
? RI= 806	4.08	11.50	15.43	29.00	13.86	21.64	0.00	8.53
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 820	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 826	0.00	0.00	4.61	7.76	4.17	0.00	0.00	0.00
DMCyC6?	0.00	8.43	15.62	27.83	14.60	22.30	0.00	0.00
EtCyC6	12.34	43.11	45.00	85.51	41.86	66.76	8.51	30.62
unsp. Napht	0.00	10.50	9.89	19.04	9.21	15.03	0.00	7.42
? RI= 846	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EtBenzene	4.06	10.82	11.68	18.20	10.89	13.05	0.00	7.68
? RI= 859	0.00	10.88	9.64	17.87	8.78	14.34	0.00	7.21
m+p-Xylene	36.12	99.14	97.94	160.67	92.72	120.58	24.55	70.48
4-+2-MC8?	6.24	19.85	17.00	31.60	16.48	25.17	4.29	13.33
? RI= 883	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene	6.06	16.34	16.64	26.04	16.36	18.51	3.94	10.50
? RI= 891	0.00	0.00	0.00	7.76	0.00	0.00	0.00	0.00
MC8+C4CyC6	0.00	11.76	7.76	17.55	8.29	13.92	0.00	0.00
C4CyC6?	0.00	0.00	0.00	7.74	0.00	0.00	0.00	0.00
n-Nonane	15.70	55.35	41.19	79.86	41.05	66.22	11.18	37.39
SUM:	918.3	2544.6	5381.5	5858.4	5954.2	4410.5	747.0	3320.2

IKU Project 22.1912.00 Well 7321/9-1 Norsk Hydro et al.
 YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS (microliters gas per kg dry sediment)

IKU-ID	389551	389552	389561	389562	389571	389572	389581	389582
DEPTH	1375.35mH	1375.35mO	1375.62mH	1375.62mO	1376.52mH	1376.52mO	1377.50mH	1377.50mO
COMPOUND								
Methane	0.00	1317.22	280.55	1354.93	0.00	1346.25	587.21	1267.56
Ethene	0.00	42.37	0.00	51.08	0.00	0.00	0.00	48.27
Ethane	0.00	62.06	389.60	95.95	0.00	61.51	593.90	81.68
Propene	0.00	0.00	0.00	24.64	0.00	0.00	0.00	27.51
Propane	0.00	26.54	831.53	88.70	0.00	28.23	1035.27	80.83
i-Butane	0.00	0.00	182.45	22.05	0.00	0.00	246.81	21.33
? RI= 360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	0.00	13.40	468.58	82.12	0.00	12.29	522.18	73.75
2,2-DMC3	0.00	0.00	0.00	0.00	0.00	0.00	9.77	0.00
i-Pentane	0.00	0.00	195.24	47.07	0.00	0.00	236.65	46.78
n-Pentane	0.00	8.27	177.08	64.38	0.00	0.00	217.48	65.98
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	0.00	0.00	15.58	0.00	0.00	0.00	19.74	0.00
Cyc5	0.00	0.00	15.01	8.97	0.00	0.00	20.02	9.43
2,3-DMC4	0.00	0.00	20.65	9.58	0.00	0.00	27.10	10.68
2-MC5	0.00	0.00	75.55	40.26	0.00	0.00	105.74	47.97
3-MC5	0.00	0.00	48.50	27.77	0.00	0.00	67.46	32.80
n-Hexane	0.00	18.64	122.04	90.30	0.00	9.79	179.17	111.09
2,2-DMC5	0.00	0.00	6.78	0.00	0.00	0.00	8.89	0.00
MCyC5	0.00	0.00	83.37	66.25	0.00	0.00	119.08	76.51
2,4-DMC5	0.00	0.00	10.37	7.86	0.00	0.00	14.00	9.11
TMC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	13.76	21.28	126.26	77.89	0.00	0.00	179.39	71.60
3,3-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	6.34	0.00
Cyc6	0.00	11.85	142.90	131.17	0.00	0.00	202.31	147.34
2-MC6	0.00	12.80	52.11	53.04	0.00	0.00	71.60	59.89
2,3-DMC5	0.00	0.00	18.05	18.07	0.00	0.00	24.13	19.96
1,1-DMC5	0.00	0.00	12.48	12.07	0.00	0.00	16.58	13.17
3-MC6	0.00	13.26	55.69	59.32	0.00	0.00	75.52	65.86
DMCyC5	0.00	0.00	16.94	17.97	0.00	0.00	23.47	20.23
DMCyC5	0.00	0.00	19.84	21.67	0.00	0.00	27.26	24.09
DMCyC5	0.00	0.00	28.05	30.59	0.00	0.00	37.85	33.49
n-Heptane	12.41	50.44	136.13	171.49	0.00	17.60	180.10	181.98
MCyC6	28.61	83.61	327.48	414.01	0.00	22.97	427.97	432.10
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	0.00	7.12	9.00	0.00	0.00	8.60	8.55
2,4-DMC6	0.00	7.85	22.24	29.76	0.00	0.00	27.86	29.78
TMCyC5	0.00	0.00	10.25	13.96	0.00	0.00	12.17	13.24
TMCyC5	0.00	0.00	0.00	6.57	0.00	0.00	0.00	6.28
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	61.71	119.14	196.60	217.07	6.80	22.95	242.43	181.79
TMCyC5	0.00	0.00	0.00	6.86	0.00	0.00	5.75	6.18
2,3-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-Et,2-MC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MC7	8.04	23.17	42.65	62.66	0.00	7.01	48.50	56.30
4-MC7	0.00	8.41	15.62	23.66	0.00	0.00	17.99	21.28
3,4-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MC7	8.22	23.50	40.31	61.45	0.00	6.86	45.48	54.92
DMCyC6	10.75	29.76	48.91	77.73	0.00	6.95	55.85	70.18
DMCyC6	4.95	13.72	23.77	37.85	0.00	0.00	27.61	34.76
DMCyC6	0.00	0.00	10.42	16.58	0.00	0.00	11.86	15.02
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	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	33.13	87.68	111.15	185.22	0.00	24.63	122.13	159.24
? RI= 806	0.00	9.10	12.69	21.27	0.00	0.00	14.16	18.98
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 820	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 826	0.00	0.00	0.00	6.18	0.00	0.00	0.00	0.00
DMCyC6?	0.00	6.72	7.97	21.54	0.00	0.00	8.10	17.79
EtCyC6	12.73	37.17	37.65	66.72	0.00	8.89	40.54	55.92
unsp. Napht	0.00	8.52	7.90	14.06	0.00	0.00	8.70	11.53
? RI= 846	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EtBenzene	4.67	11.65	9.45	16.51	0.00	0.00	9.89	12.34
? RI= 859	3.62	8.92	8.02	14.51	0.00	0.00	7.92	11.39
m+p-Xylene	43.27	102.81	83.37	146.11	8.99	46.24	83.66	108.73
4-+2-MC8?	7.17	17.01	14.92	26.64	0.00	6.81	14.61	20.45
? RI= 883	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene	7.42	18.11	13.23	25.00	0.00	8.65	13.50	17.71
? RI= 891	0.00	0.00	0.00	6.37	0.00	0.00	0.00	0.00
MC8+C4CyC6	0.00	9.33	0.00	14.82	0.00	0.00	6.56	11.55
C4CyC6?	0.00	0.00	0.00	6.48	0.00	0.00	0.00	0.00
n-Nonane	21.41	48.31	35.03	69.17	5.98	25.92	33.24	52.49
SUM:	281.9	2272.6	4618.1	4293.0	21.8	1663.5	6150.1	4077.4

IKU Project 22.1912.00 Well 7321/9-1 Norsk Hydro et al.
 YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS (microliters gas per kg dry sediment)

IKU-ID DEPTH	389591 1378.50MH	389592 1378.50MO	389601 1378.87MH	389602 1378.87MO
COMPOUND				
Methane	246.38	980.37	0.00	2392.28
Ethane	0.00	41.11	0.00	50.15
Ethene	401.76	71.31	0.00	170.30
Propane	0.00	21.77	0.00	25.33
Propane	964.23	86.88	0.00	69.58
i-Butane	283.27	28.26	0.00	13.83
? RI= 360	0.00	0.00	0.00	0.00
Butene	0.00	0.00	0.00	12.79
n-Butane	509.54	85.57	0.00	34.12
2,2-DMC3	13.11	0.00	0.00	0.00
i-Pentane	246.52	58.43	0.00	31.86
n-Pentane	163.44	59.06	0.00	42.98
? RI= 509	0.00	0.00	0.00	0.00
2,2-DMC4?	22.14	7.59	0.00	0.00
CYC5	15.79	8.95	0.00	0.00
2,3-DMC4	25.45	11.86	0.00	6.59
2-MC5	80.63	42.48	0.00	33.80
3-MC5	52.77	29.62	0.00	20.14
n-Hexane	112.17	79.42	0.00	62.85
2,2-DMC5	85.24	5.43	0.00	0.00
MCYC5	10.89	62.88	0.00	24.77
2,4-DMC5	0.00	8.11	0.00	0.00
TMC4	122.44	0.00	0.00	6.09
Benzene	5.44	64.86	5.12	0.00
3,3-DMC5	151.44	0.00	0.00	0.00
CYC6	49.79	125.25	5.00	40.79
2-MC6	18.48	46.34	0.00	31.77
2,3-DMC5	13.55	16.74	0.00	9.86
1,1-DMC5	53.65	11.88	0.00	0.00
3-MC6	16.65	51.60	0.00	32.75
DMCYC5	19.68	15.80	0.00	8.13
DMCYC5	28.44	18.95	0.00	9.49
DMCYC5	122.10	27.62	0.00	13.43
n-Heptane	321.73	134.40	10.56	87.91
MCYC6	0.00	348.29	33.94	168.80
TMCYC5	6.63	0.00	0.00	0.00
2,5-DMC6	21.11	7.17	0.00	0.00
2,4-DMC6	9.85	23.94	0.00	13.80
TMCYC5	0.00	11.18	0.00	6.73
TMCYC5	0.00	0.00	0.00	0.00
Toluene	196.93	171.09	40.18	51.25
TMCYC5	0.00	0.00	0.00	0.00
2,3-DMC6	0.00	0.00	0.00	0.00
3-Et,2-MC5	0.00	0.00	0.00	0.00
2-MC7	38.49	46.40	8.74	33.97
4-MC7	14.38	17.54	0.00	12.64
3,4-DMC6	0.00	0.00	0.00	0.00
3-MC7	36.79	45.60	8.97	33.07
DMCYC6	45.99	58.95	11.07	38.43
DMCYC6	22.10	28.38	5.08	17.85
DMCYC6	9.93	12.92	0.00	7.39
DMCYC6?	0.00	0.00	0.00	0.00
DMCYC6	0.00	5.35	0.00	0.00
? RI= 797	99.41	131.42	32.83	107.20
n-Octane	11.77	16.18	0.00	10.90
? RI= 806	0.00	0.00	0.00	0.00
? RI= 815	0.00	0.00	0.00	0.00
? RI= 820	0.00	0.00	0.00	0.00
? RI= 826	0.00	0.00	0.00	0.00
DMCYC6?	7.32	15.28	0.00	8.01
EtCYC6	35.21	47.55	12.46	40.07
unsp. Napht	7.94	10.15	0.00	8.92
? RI= 846	0.00	0.00	0.00	0.00
StBenzene	9.42	11.58	4.10	7.19
? RI= 859	7.27	9.94	0.00	9.77
m+p-Xylene	79.66	99.86	40.77	77.59
4-t2-MC8?	12.97	18.12	7.40	19.06
? RI= 883	0.00	0.00	0.00	0.00
o-Xylene	12.76	16.26	6.66	9.86
? RI= 891	0.00	0.00	0.00	0.00
MC8+C4CYC6	0.00	8.98	0.00	9.89
C4CYC6?	0.00	0.00	0.00	0.00
n-Nonane	30.97	43.40	20.59	53.95
SUM:	4881.3	3408.2	253.5	3978.3

Table 3: Composition of headspace and occluded gas.

IKU Project 22.1912.00 Well 7321/9-1 Norsk Hydro et al.
 COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS (volume percent of hydrocarbons)

IKU-ID DEPTH	389391 1365.35mH	389392 1365.35mO	389401 1365.50mH	389402 1365.50mO	389411 1365.70mH	389412 1365.70mO	389421 1365.85mH	389422 1365.85mO
COMPOUND								
Methane	0.00	37.15	0.00	24.31	0.00	7.87	12.76	4.76
Ethene	0.00	3.28	0.00	3.85	0.00	1.24	0.00	0.54
Ethane	0.00	3.25	0.00	3.29	0.00	0.77	22.79	2.30
Propene	0.00	1.90	0.00	2.28	0.00	0.55	0.00	0.00
Propane	0.00	0.00	46.66	2.27	10.44	2.16	30.11	7.93
1-Butane	0.00	0.00	25.75	1.77	8.48	3.46	7.47	3.93
? RI= 360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	0.00	1.60	27.59	7.10	22.75	11.56	12.32	12.47
2,2-DMC3	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00
i-Pentane	0.00	2.94	0.00	5.49	9.15	8.90	3.77	8.33
n-Pentane	0.00	6.84	0.00	5.53	9.66	11.88	3.28	10.96
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	0.00	0.00	0.00	0.00	0.00	0.53	0.12	0.45
CyC5	0.00	0.00	0.00	0.00	0.00	0.46	0.25	0.77
2,3-DMC4	0.00	0.00	0.00	0.62	0.00	0.88	0.16	0.78
2-MC5	0.00	4.47	0.00	4.26	2.28	5.04	0.69	4.18
3-MC5	0.00	2.27	0.00	2.35	0.00	2.84	0.41	2.42
n-Hexane	0.00	8.49	0.00	4.60	3.39	7.31	0.84	6.23
2,2-DMC5	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.17
MCyC5	0.00	1.90	0.00	2.51	3.11	3.43	0.73	3.64
2,4-DMC5	0.00	0.00	0.00	0.00	0.00	0.44	0.00	0.33
TMC4	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	6.99	0.45	0.85	2.62
3,3-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	0.00	2.06	0.00	2.78	4.86	4.18	0.95	4.82
2-MC6	0.00	2.19	0.00	1.93	0.00	1.87	0.13	1.41
2,3-DMC5	0.00	0.00	0.00	0.73	0.00	0.65	0.05	0.48
1,1-DMC5	0.00	0.00	0.00	0.00	0.00	0.38	0.00	0.32
3-MC6	0.00	2.28	0.00	2.19	0.00	1.96	0.13	1.47
DMCyC5	0.00	0.00	0.00	0.66	0.00	0.64	0.07	0.54
DMCyC5	0.00	0.78	0.00	0.81	0.00	0.73	0.07	0.60
DMCyC5	0.00	1.09	0.00	1.19	0.00	1.04	0.11	0.86
n-Heptane	0.00	4.99	0.00	4.15	0.00	3.76	0.24	2.97
MCyC6	0.00	6.85	0.00	7.41	5.32	7.18	0.78	6.18
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6	0.00	0.00	0.00	0.65	0.00	0.50	0.00	0.39
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.19
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.00	0.96	0.00	0.00	11.50	1.38	0.55	2.69
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-Et,2-MC5	0.00	1.04	0.00	0.00	0.00	0.00	0.00	0.00
2-MC7	0.00	0.00	0.00	1.31	0.00	0.84	0.00	0.59
4-MC7	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.20
3,4-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MC7	0.00	0.78	0.00	0.99	0.00	0.63	0.00	0.45
DMCyC6	0.00	1.00	0.00	1.13	0.00	0.75	0.05	0.56
DMCyC6	0.00	0.00	0.00	0.00	0.00	0.34	0.00	0.26
DMCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	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	1.91	0.00	2.45	0.00	1.49	0.07	1.12
? RI= 806	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 820	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 826	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EtCyC6	0.00	0.00	0.00	0.75	0.00	0.44	0.00	0.36
unsp. Napht	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 846	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EtBenzene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 859	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
m+p-Xylene	0.00	0.00	0.00	0.00	2.05	0.41	0.07	0.53
4-+2-MC8?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 883	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 891	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MC8+C4CyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C4CyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Nonane	0.00	0.00	0.00	0.62	0.00	0.29	0.00	0.20
SUM:	0.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:								
ppm (vol)	0.0	450.3	40.9	582.0	188.9	1712.4	7266.9	2304.7

IKU Project 22.1912.00 Well 7321/9-1 Norsk Hydro et al.
 COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS (volume percent of hydrocarbons)

IKU-ID DEPTH	389431 1366.05mH	389432 1366.05mO	389441 1366.20mH	389442 1366.20mO	389451 1366.40mH	389452 1366.40mO	389461 1366.65mH	389462 1366.65mO
COMPOUND								
Methane	15.04	9.63	0.00	14.48	0.00	12.53	0.00	9.93
Ethene	0.00	1.71	0.00	1.33	0.00	1.38	0.00	1.42
Ethane	17.35	2.10	0.00	1.29	0.00	1.07	0.00	1.03
Propene	0.00	0.98	0.00	0.77	0.00	0.67	0.00	0.70
Propane	32.72	8.99	0.00	0.85	0.00	0.95	10.12	2.61
i-Butane	6.59	4.96	0.00	1.48	3.28	1.70	7.09	3.21
? RI= 360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Butene	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	14.69	15.52	0.00	5.29	12.25	6.71	20.77	10.37
2,2-DMC3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Pentane	3.82	7.97	0.00	6.75	7.44	6.57	7.75	7.45
n-Pentane	2.93	9.70	15.52	9.89	10.48	9.71	8.72	9.56
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC47	0.12	0.41	0.00	0.57	0.00	0.49	0.00	0.51
CyC5	0.35	0.58	0.00	0.32	0.00	0.47	0.00	0.45
2,3-DMC4	0.19	0.68	0.00	0.93	0.00	0.87	0.00	0.86
2-MC5	0.77	3.56	0.00	5.19	3.32	4.64	0.00	4.26
3-MC5	0.49	2.07	0.00	2.93	2.09	2.67	0.00	2.51
n-Hexane	0.20	5.00	0.00	8.06	5.64	7.34	0.00	6.56
2,2-DMC5	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.23
MCyC5	1.03	3.00	0.00	3.32	5.19	3.67	3.76	3.45
2,4-DMC5	0.00	0.30	0.00	0.48	0.00	0.43	0.00	0.40
TMC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.00	0.24	14.42	0.74	13.22	1.91	7.39	0.52
3,3-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	1.55	3.94	13.22	4.35	8.71	5.14	6.44	4.77
2-MC6	0.15	1.26	0.00	2.16	0.00	1.93	0.00	1.79
2,3-DMC5	0.00	0.44	0.00	0.72	0.00	0.65	0.00	0.60
1,1-DMC5	0.00	0.29	0.00	0.43	0.00	0.41	0.00	0.40
3-MC6	0.19	1.32	0.00	2.22	0.00	1.98	0.00	1.84
DMCyC5	0.00	0.46	0.00	0.70	0.00	0.67	0.00	0.62
DMCyC5	0.11	0.52	0.00	0.79	0.00	0.75	0.00	0.70
DMCyC5	0.17	0.75	0.00	1.12	0.00	1.06	0.00	0.98
n-Heptane	0.00	2.51	0.00	4.54	2.87	4.10	0.00	3.79
MCyC6	1.44	5.63	22.34	8.98	11.28	9.24	7.74	8.92
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6	0.00	0.35	0.00	0.57	0.00	0.55	0.00	0.52
TMCyC5	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.23
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.00	0.82	34.50	2.64	12.39	3.35	16.29	2.11
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-Et, 2-MC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MC7	0.00	0.53	0.00	0.86	0.00	0.79	0.00	0.76
4-MC7	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.26
3,4-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MC7	0.00	0.41	0.00	0.71	0.00	0.67	0.00	0.66
DMCyC6	0.11	0.54	0.00	0.93	0.00	0.92	0.00	0.92
DMCyC6	0.00	0.25	0.00	0.43	0.00	0.43	0.00	0.44
DMCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	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	0.99	0.00	1.78	0.00	1.72	0.00	1.70
? RI= 806	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 820	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 826	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EtCyC6	0.00	0.31	0.00	0.55	0.00	0.60	0.00	0.56
unsp. Napht	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 846	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EtBenzene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 859	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
m+p-Xylene	0.00	0.29	0.00	0.84	1.86	0.92	3.94	0.85
4-+2-MC8?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 883	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 891	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MC8+C4CyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C4CyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Nonane	0.00	0.18	0.00	0.00	0.00	0.33	0.00	0.34
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:								
ppm (vol)	3086.3	2490.7	27.4	1093.3	219.6	1279.3	94.9	1529.6

IKU Project 22.1912.00 Well 7321/9-1 Norsk Hydro et al.
 COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS (volume percent of hydrocarbons)

IKU-ID DEPTH	389471 1366.90mH	389472 1366.90mO	389481 1367.50mH	389482 1367.50mO	389491 1368.50mH	389492 1368.50mO	389501 1369.55mH	389502 1369.55mO
COMPOUND								
Methane	0.00	20.11	8.02	32.98	17.16	40.75	10.24	50.34
Ethane	0.00	1.77	0.00	2.02	0.00	1.99	0.00	1.92
Ethene	0.00	1.65	6.17	2.53	11.44	2.81	8.56	3.21
Propene	0.00	0.95	0.00	1.22	0.00	1.05	0.00	1.07
Propane	0.00	1.56	16.07	1.91	21.00	2.55	19.83	2.06
i-Butane	0.00	1.76	4.19	0.48	6.10	0.78	5.80	0.56
? RI= 360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Butene	0.00	0.00	0.00	0.40	0.00	0.00	0.00	0.00
n-Butane	0.00	6.72	9.60	1.69	9.06	2.15	11.16	1.64
2,2-DMC3	0.00	0.00	0.00	0.00	0.26	0.00	0.00	0.00
i-Pentane	0.00	5.90	4.01	0.94	4.20	1.39	5.01	0.97
n-Pentane	0.00	8.44	3.97	1.42	2.75	1.57	3.15	0.97
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	0.00	0.46	0.30	0.00	0.36	0.00	0.42	0.00
CyC5	0.00	0.00	0.32	0.18	0.21	0.00	0.27	0.00
2,3-DMC4	0.00	0.80	0.44	0.18	0.40	0.28	0.46	0.00
2-MC5	0.00	4.06	1.82	0.95	1.35	1.17	1.39	0.61
3-MC5	0.00	2.38	1.12	0.65	0.85	0.77	0.89	0.43
n-Hexane	0.00	6.56	3.08	2.34	1.79	2.28	1.71	1.12
2,2-DMC5	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00
MCyC5	0.00	3.10	1.86	1.44	1.16	1.28	1.30	0.84
2,4-DMC5	0.00	0.00	0.23	0.19	0.16	0.00	0.00	0.00
TMC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.00	0.57	2.74	1.19	1.21	0.74	1.77	0.70
3,3-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	0.00	4.34	3.11	2.74	1.97	2.42	2.31	1.76
2-MC6	0.00	1.80	1.22	1.34	0.69	1.22	0.78	0.73
2,3-DMC5	0.00	0.60	0.41	0.43	0.26	0.42	0.30	0.26
1,1-DMC5	0.00	0.39	0.27	0.26	0.19	0.26	0.22	0.00
3-MC6	0.00	1.84	1.30	1.46	0.73	1.31	0.85	0.81
DMCyC5	0.00	0.60	0.39	0.42	0.22	0.36	0.25	0.23
DMCyC5	0.00	0.68	0.46	0.51	0.26	0.44	0.30	0.29
DMCyC5	0.00	0.93	0.64	0.71	0.39	0.63	0.45	0.43
n-Heptane	0.00	3.82	3.19	4.33	1.60	3.36	1.96	2.31
MCyC6	32.61	9.22	7.43	9.43	4.24	7.51	5.23	5.74
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	0.00	0.15	0.21	0.00	0.00	0.00	0.00
2,4-DMC6	0.00	0.52	0.50	0.71	0.27	0.55	0.36	0.44
TMCyC5	0.00	0.00	0.22	0.33	0.00	0.27	0.00	0.00
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	67.39	2.29	4.59	3.80	2.65	2.92	3.83	2.90
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-Et, 2-MC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MC7	0.00	0.74	0.93	1.49	0.50	1.17	0.77	1.07
4-MC7	0.00	0.00	0.34	0.56	0.18	0.44	0.28	0.40
3,4-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MC7	0.00	0.68	0.87	1.46	0.48	1.13	0.74	1.05
DMCyC6	0.00	0.99	1.09	1.82	0.64	1.44	0.93	1.35
DMCyC6	0.00	0.57	0.54	0.89	0.29	0.67	0.42	0.62
DMCyC6	0.00	0.00	0.24	0.38	0.00	0.29	0.00	0.27
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	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	1.76	2.50	4.45	1.42	3.40	2.26	3.49
? RI= 806	0.00	0.00	0.29	0.49	0.17	0.39	0.25	0.39
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 820	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 826	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6?	0.00	0.00	0.18	0.51	0.00	0.25	0.00	0.27
EtCyC6	0.00	0.60	0.87	1.59	0.54	1.31	0.87	1.40
unsp. Napht	0.00	0.00	0.18	0.36	0.00	0.31	0.20	0.33
? RI= 846	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EtBenzene	0.00	0.00	0.22	0.32	0.17	0.30	0.26	0.34
? RI= 859	0.00	0.00	0.17	0.34	0.00	0.30	0.20	0.33
m+p-Xylene	0.00	0.84	1.95	2.91	1.49	2.72	2.27	3.12
4-+2-MC8?	0.00	0.00	0.33	0.61	0.24	0.52	0.37	0.62
? RI= 883	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene	0.00	0.00	0.34	0.45	0.26	0.43	0.38	0.52
? RI= 891	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MC8+C4CyC6	0.00	0.00	0.16	0.36	0.00	0.29	0.00	0.37
C4CyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Nonane	0.00	0.00	0.83	1.60	0.63	1.42	0.98	1.75
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:								
ppm (vol)	12.4	929.1	2724.9	2040.7	2433.0	1567.4	1793.4	1613.4

IKU Project 22.1912.00 Well 7321/9-1 Norsk Hydro et al.
 COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS (volume percent of hydrocarbons)

IKU-ID DEPTH	389511 1369.82mH	389512 1369.82mO	389521 1371.50mH	389522 1371.50mO	389531 1372.50mH	389532 1372.50mO	389541 1374.10mH	389542 1374.10mO
COMPOUND								
Methane	8.45	48.67	4.10	30.43	11.08	32.11	22.83	61.29
Ethene	0.00	2.32	0.00	1.17	0.00	1.40	0.00	2.56
Ethane	5.97	3.22	5.77	1.98	10.86	2.41	4.42	3.86
Propene	0.00	1.33	0.00	0.63	0.00	0.71	0.00	1.66
Propane	17.32	1.71	12.54	1.38	16.71	1.83	12.51	1.91
i-Butane	3.58	0.00	3.07	0.34	3.84	0.46	2.23	0.37
? RI= 360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Butene	0.00	0.41	0.00	0.20	0.00	0.23	0.00	0.59
n-Butane	8.24	1.03	8.78	1.30	8.38	1.61	5.68	0.94
2,2-DMC3	0.00	0.00	0.13	0.00	0.15	0.00	0.00	0.00
1-Pentane	3.04	0.48	4.25	0.89	3.55	0.98	1.88	0.38
n-Pentane	2.86	0.66	4.66	1.42	3.28	1.41	2.74	0.61
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	0.00	0.00	0.35	0.00	0.28	0.00	0.00	0.00
CyC5	0.00	0.00	0.43	0.22	0.30	0.20	0.00	0.00
2,3-DMC4	0.38	0.00	0.55	0.24	0.39	0.23	0.00	0.00
2-MC5	1.35	0.44	2.30	1.12	1.52	1.02	1.31	0.39
3-MC5	0.85	0.30	1.46	0.78	0.97	0.72	0.82	0.26
n-Hexane	2.18	1.05	4.02	2.72	2.63	2.47	2.63	1.04
2,2-DMC5	0.00	0.00	0.19	0.13	0.13	0.00	0.00	0.00
MCyC5	1.35	0.60	2.63	1.93	1.75	1.71	1.47	0.52
2,4-DMC5	0.00	0.00	0.31	0.23	0.21	0.20	0.00	0.00
TMC4	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00
Benzene	2.48	0.73	3.36	1.47	2.57	1.06	3.82	0.83
3,3-DMC5	0.00	0.00	0.13	0.00	0.09	0.00	0.00	0.00
CyC6	2.64	1.37	4.35	3.75	2.98	3.30	2.63	1.04
2-MC6	1.10	0.75	1.35	1.54	1.07	1.44	1.10	0.59
2,3-DMC5	0.41	0.00	0.52	0.51	0.36	0.47	0.00	0.00
1,1-DMC5	0.00	0.00	0.36	0.34	0.25	0.31	0.00	0.00
3-MC6	1.18	0.82	1.63	1.70	1.14	1.58	1.17	0.64
DMCyC5	0.00	0.00	0.50	0.53	0.39	0.48	0.00	0.00
DMCyC5	0.40	0.27	0.58	0.62	0.41	0.58	0.00	0.22
DMCyC5	0.60	0.40	0.81	0.87	0.57	0.80	0.58	0.30
n-Heptane	2.98	2.58	3.75	4.61	2.78	4.54	3.12	1.94
MCyC6	7.61	5.61	8.70	11.03	6.46	10.54	7.55	4.03
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	0.00	0.18	0.23	0.13	0.22	0.00	0.00
2,4-DMC6	0.55	0.47	0.57	0.77	0.44	0.76	0.50	0.32
TMCyC5	0.00	0.00	0.26	0.35	0.19	0.34	0.00	0.00
TMCyC5	0.00	0.00	0.13	0.17	0.10	0.19	0.00	0.00
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	6.31	3.39	4.52	4.02	3.71	3.52	6.50	2.49
TMCyC5	0.00	0.00	0.17	0.24	0.16	0.16	0.00	0.00
2,3-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-Et,2-MC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MC7	1.26	1.24	1.04	1.54	0.82	1.52	1.11	0.74
4-MC7	0.46	0.47	0.40	0.59	0.31	0.57	0.00	0.28
3,4-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MC7	1.23	1.23	0.98	1.49	0.77	1.47	1.08	0.73
DMCyC6	1.55	1.54	1.14	1.83	0.91	1.84	1.37	0.91
DMCyC6	0.69	0.71	0.57	0.90	0.45	0.90	0.62	0.42
DMCyC6	0.00	0.33	0.24	0.40	0.19	0.39	0.00	0.00
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.00	0.00	0.00	0.12	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	3.77	4.18	2.52	4.14	2.07	4.32	3.30	2.33
? RI= 806	0.44	0.45	0.29	0.50	0.23	0.49	0.00	0.26
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 820	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 826	0.00	0.00	0.09	0.13	0.07	0.00	0.00	0.00
DMCyC6?	0.00	0.33	0.29	0.48	0.25	0.51	0.00	0.00
EtCyC6	1.34	1.69	0.84	1.46	0.70	1.51	1.14	0.92
unsp.Napht	0.00	0.41	0.18	0.32	0.15	0.34	0.00	0.22
? RI= 846	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EtBenzene	0.44	0.43	0.22	0.31	0.18	0.30	0.00	0.23
? RI= 859	0.00	0.43	0.18	0.30	0.15	0.33	0.00	0.22
m+p-Xylene	3.93	3.90	1.82	2.74	1.56	2.73	3.29	2.12
4--+2-MC8?	0.68	0.78	0.32	0.54	0.28	0.57	0.57	0.40
? RI= 883	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene	0.66	0.64	0.31	0.44	0.27	0.42	0.53	0.32
? RI= 891	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00
MC8+C4CyC6	0.00	0.46	0.14	0.30	0.14	0.32	0.00	0.00
C4CyC6?	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00
n-Nonane	1.71	2.18	0.77	1.36	0.69	1.50	1.50	1.13
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:								
ppm (vol)	934.6	1354.7	4800.3	3003.5	5108.7	2383.0	800.1	1833.5

IKU Project 22.1912.00 Well 7321/9-1 Norsk Hydro et al.
 COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS (volume percent of hydrocarbons)

IKU-ID DEPTH	389551 1375.35mH	389552 1375.35mO	389561 1375.62mH	389562 1375.62mO	389571 1376.52mH	389572 1376.52mO	389581 1377.50mH	389582 1377.50mO
COMPOUND								
Methane	0.00	57.96	6.08	31.56	0.00	80.93	9.55	31.09
Ethene	0.00	1.86	0.00	1.19	0.00	0.00	0.00	1.18
Ethane	0.00	2.73	8.44	2.24	0.00	3.70	9.66	2.00
Propene	0.00	0.00	0.00	0.57	0.00	0.00	0.00	0.67
Propane	0.00	1.17	18.01	2.07	0.00	1.70	16.83	1.98
i-Butane	0.00	0.00	3.95	0.51	0.00	0.00	4.01	0.52
? RI= 360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	0.00	0.59	10.15	1.91	0.00	0.74	8.49	1.81
2,2-DMC3	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00
i-Pentane	0.00	0.00	4.23	1.10	0.00	0.00	3.85	1.15
n-Pentane	0.00	0.36	3.83	1.50	0.00	0.00	3.54	1.62
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	0.00	0.00	0.34	0.00	0.00	0.00	0.32	0.00
CyC5	0.00	0.00	0.33	0.21	0.00	0.00	0.33	0.23
2,3-DMC4	0.00	0.00	0.45	0.22	0.00	0.00	0.44	0.26
2-MC5	0.00	0.00	1.64	0.94	0.00	0.00	1.72	1.18
3-MC5	0.00	0.00	1.05	0.65	0.00	0.00	1.10	0.80
n-Hexane	0.00	0.82	2.64	2.10	0.00	0.59	2.91	2.72
2,2-DMC5	0.00	0.00	0.15	0.00	0.00	0.00	0.14	0.00
MCyC5	0.00	0.00	1.81	1.54	0.00	0.00	1.94	1.88
2,4-DMC5	0.00	0.00	0.22	0.18	0.00	0.00	0.23	0.22
TMC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	4.88	0.94	2.73	1.81	0.00	0.00	2.92	1.76
3,3-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00
CyC6	0.00	0.52	3.09	3.06	0.00	0.00	3.29	3.61
2-MC6	0.00	0.56	1.13	1.24	0.00	0.00	1.16	1.47
2,3-DMC5	0.00	0.00	0.39	0.42	0.00	0.00	0.39	0.49
1,1-DMC5	0.00	0.00	0.27	0.28	0.00	0.00	0.27	0.32
3-MC6	0.00	0.58	1.21	1.38	0.00	0.00	1.23	1.62
DMCyC5	0.00	0.00	0.37	0.42	0.00	0.00	0.38	0.50
DMCyC5	0.00	0.00	0.43	0.50	0.00	0.00	0.44	0.59
DMCyC5	0.00	0.00	0.61	0.71	0.00	0.00	0.62	0.82
n-Heptane	4.40	2.22	2.95	3.99	0.00	1.06	2.93	4.46
MCyC6	10.15	3.68	7.09	9.64	0.00	1.38	6.96	10.60
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	0.00	0.15	0.21	0.00	0.00	0.14	0.21
2,4-DMC6	0.00	0.35	0.48	0.69	0.00	0.00	0.45	0.73
TMCyC5	0.00	0.00	0.22	0.33	0.00	0.00	0.20	0.32
TMCyC5	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.15
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	21.89	5.24	4.26	5.06	31.22	1.38	3.94	4.46
TMCyC5	0.00	0.00	0.00	0.16	0.00	0.00	0.09	0.15
2,3-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-Et,2-MC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MC7	2.85	1.02	0.92	1.46	0.00	0.42	0.79	1.38
4-MC7	0.00	0.37	0.34	0.55	0.00	0.00	0.29	0.52
3,4-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MC7	2.92	1.03	0.87	1.43	0.00	0.41	0.74	1.35
DMCyC6	3.81	1.31	1.06	1.81	0.00	0.42	0.91	1.72
DMCyC6	1.76	0.60	0.51	0.88	0.00	0.00	0.45	0.85
DMCyC6	0.00	0.00	0.23	0.39	0.00	0.00	0.19	0.37
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	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	11.75	3.86	2.41	4.31	0.00	1.48	1.99	3.91
? RI= 806	0.00	0.40	0.27	0.50	0.00	0.00	0.23	0.47
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 820	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 826	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00
DMCyC6?	0.00	0.30	0.17	0.50	0.00	0.00	0.13	0.44
EtCyC6	4.52	1.64	0.82	1.55	0.00	0.53	0.66	1.37
unsp.Napht	0.00	0.37	0.17	0.33	0.00	0.00	0.14	0.28
? RI= 846	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EtBenzene	1.66	0.51	0.20	0.38	0.00	0.00	0.16	0.30
? RI= 859	1.29	0.39	0.17	0.34	0.00	0.00	0.13	0.28
m+p-Xylene	15.35	4.52	1.81	3.40	41.30	2.78	1.36	2.67
4+2-MC8?	2.54	0.75	0.32	0.62	0.00	0.41	0.24	0.50
? RI= 883	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene	2.63	0.80	0.29	0.58	0.00	0.52	0.22	0.43
? RI= 891	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00
MC8+C4CyC6	0.00	0.41	0.00	0.35	0.00	0.00	0.11	0.28
C4CyC6?	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00
n-Nonane	7.59	2.13	0.76	1.61	27.48	1.56	0.54	1.29
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:								
ppm (vol)	280.1	1288.9	3260.4	2589.2	17.6	892.3	3713.3	2408.2

IKU Project 22.1912.00 Well 7321/9-1
 COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS

Norsk Hydro et al.
 (volume percent of hydrocarbons)

IKU-ID DEPTH	389591 1378.50mH	389592 1378.50mO	389601 1378.87mH	389602 1378.87mO
COMPOUND				
Methane	5.05	28.77	0.00	60.13
Ethene	0.00	1.21	0.00	1.26
Ethane	8.23	2.09	0.00	4.28
Propene	0.00	0.64	0.00	0.64
Propane	19.75	2.55	0.00	1.75
i-Butane	5.80	0.83	0.00	0.35
? RI= 360	0.00	0.00	0.00	0.00
Butene	0.00	0.00	0.00	0.32
n-Butane	10.44	2.51	0.00	0.86
2,2-DMC3	0.27	0.00	0.00	0.00
i-Pentane	5.05	1.71	0.00	0.80
n-Pentane	3.35	1.73	0.00	1.08
? RI= 509	0.00	0.00	0.00	0.00
2,2-DMC4?	0.45	0.23	0.00	0.00
CyC5	0.32	0.26	0.00	0.00
2,3-DMC4	0.52	0.35	0.00	0.17
2-MC5	1.65	1.25	0.00	0.85
3-MC5	1.08	0.87	0.00	0.51
n-Hexane	2.30	2.33	0.00	1.58
2,2-DMC5	0.16	0.16	0.00	0.00
MCyC5	1.75	1.84	0.00	0.62
2,4-DMC5	0.22	0.24	0.00	0.00
TMC4	0.00	0.00	0.00	0.00
Benzene	2.51	1.90	2.02	0.15
3,3-DMC5	0.11	0.00	0.00	0.00
CyC6	3.10	3.67	1.97	1.03
2-MC6	1.02	1.36	0.00	0.80
2,3-DMC5	0.38	0.49	0.00	0.25
1,1-DMC5	0.28	0.35	0.00	0.00
3-MC6	1.10	1.51	0.00	0.82
DMCyC5	0.34	0.46	0.00	0.20
DMCyC5	0.40	0.56	0.00	0.25
DMCyC5	0.58	0.81	0.00	0.34
n-Heptane	2.50	3.94	4.17	2.21
MCyC6	6.59	10.22	13.39	4.24
TMCyC5	0.00	0.00	0.00	0.00
2,5-DMC6	0.14	0.21	0.00	0.00
2,4-DMC6	0.43	0.70	0.00	0.35
TMCyC5	0.20	0.33	0.00	0.17
TMCyC5	0.00	0.00	0.00	0.00
TMCyC5	0.00	0.00	0.00	0.00
Toluene	4.03	5.02	15.85	1.29
TMCyC5	0.00	0.00	0.00	0.00
2,3-DMC6	0.00	0.00	0.00	0.00
3-Et,2-MC5	0.00	0.00	0.00	0.00
2-MC7	0.79	1.36	3.45	0.85
4-MC7	0.29	0.51	0.00	0.32
3,4-DMC6	0.00	0.00	0.00	0.00
3-MC7	0.75	1.34	3.54	0.83
DMCyC6	0.94	1.73	4.37	0.97
DMCyC6	0.45	0.83	2.01	0.45
DMCyC6	0.20	0.38	0.00	0.19
DMCyC6?	0.00	0.00	0.00	0.00
DMCyC6	0.00	0.16	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.00
n-Octane	2.04	3.86	12.95	2.69
? RI= 806	0.24	0.47	0.00	0.27
? RI= 815	0.00	0.00	0.00	0.00
? RI= 820	0.00	0.00	0.00	0.00
? RI= 826	0.00	0.00	0.00	0.00
DMCyC6?	0.15	0.45	0.00	0.20
EtCyC6	0.72	1.40	4.92	1.01
unsp.Napht	0.16	0.30	0.00	0.22
? RI= 846	0.00	0.00	0.00	0.00
EtBenzene	0.19	0.34	1.62	0.18
? RI= 859	0.15	0.29	0.00	0.25
m+p-Xylene	1.63	2.93	16.09	1.95
4-+2-MC8?	0.27	0.53	2.92	0.48
? RI= 883	0.00	0.00	0.00	0.00
o-Xylene	0.26	0.48	2.63	0.25
? RI= 891	0.00	0.00	0.00	0.00
MC8+C4CyC6	0.00	0.26	0.00	0.25
C4CyC6?	0.00	0.00	0.00	0.00
n-Nonane	0.63	1.27	8.12	1.36
SUM:	100.0	100.0	100.0	100.0
Values used for normalisation:				
ppm (vol)	3465.7	2215.3	213.4	2240.1



OLJEDIREKTORATET
IND. KONTOR HARSTAD
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 20 MARS 1989
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REPORT

REG. NO.: 89.032	ACCESSIBILITY: CONFIDENTIAL
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REPORT TITLE:	
ANALYSIS OF HEADSPACE AND OCCLUDED GAS (C ₁ -C ₉) FROM WELL 7321/9-1.	
Data report.	REPORT NO.: 22.1906.00/01/89
AUTHORS:	
Hermann M. Weiss	

DATE: 3-MAR-89	NO. OF PAGES: 72	NO. OF APPENDICES: -	PROJECT MANAGER: Hermann M. Weiss	SIGN.: <i>Hermann M. Weiss</i>
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CLIENT:
 Norsk Hydro a.s, Harstad, attn: Jan Robert Eide

SUMMARY:
 This report contains tables with analytical data from gas chromatographic analysis of headspace and occluded gas from 112 canned cutting samples and 6 canned mud samples from Barents Sea Well 7321/9-1. The yields (µl/kg dry rock) and relative proportions (vol %) of 74 hydrocarbon compounds ranging from C₁ to n-C₉ are reported.

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 OLJEDIREKTORATET

KEY WORDS: Barents Sea	Well 7321/9-1
Organic Geochemistry	
Gas analysis	

PREFACE

The laboratory work was carried out by Wenche Andersen and Grete Haugen.

CONTENTS

	PAGE
1. INTRODUCTION	4
2. EXPERIMENTAL METHODS	4
3. COMMENTS ON SAMPLES AND ANALYTICAL DATA	5
FIGURES	6
Figure 1: Frequency distribution of the water content of the >125 μ m fraction.	7
TABLES	8
Table 1a: Sample identification and experimental data for cutting samples.	9
Table 1b: Sample identification and experimental data for mud samples.	12
Table 2: Yield of headspace and occluded gas compounds.	13
Table 3: Composition of headspace and occluded gas.	43

1. INTRODUCTION

One hundred and twelve canned cutting samples and six canned mud samples from Barents Sea Well 7321/9-1 were received from Norsk Hydro for gas chromatographic analysis of the hydrocarbons contained in the headspace and the occluded gas (C_1 - C_8), according to order no. N02412-00/UPU010. The cans were received at ambient temperature.

This report contains the results of the gas chromatographic analyses. The hydrocarbon concentrations are expressed as μ l gas per kg of dried cuttings (>125 μ m) and in μ l gas per liter of mud, respectively. The hydrocarbon composition is expressed as volume percent of all recorded hydrocarbons.

2. EXPERIMENTAL METHODS

Headspace gas:

A septum was attached to the can and a sample of the headspace gas was taken for analysis of C_1 - C_8 hydrocarbons.

The gas was analysed on an HP 5880 gas chromatograph fitted with a 50 m x 0.2 mm i.d. fused silica column, coated with 0.5 μ m OV-101, and equipped with 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 the volumes of the headspace and of the cutting-mud mixture were determined. The cuttings were washed with warm water (30-40°C) on 4.0, 2.0 and 0.125 mm sieves in order to remove the drilling mud and were then weighed and dried.

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 by drying the fraction >0.125 mm at 35°C for at least 24 hours. It is assumed that this water content is not significantly different from the one of the 1-4 mm fraction.

3. COMMENTS ON SAMPLES AND 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.

The cutting samples at 700 and 710 m contained some oil-based mud, which may have influenced the analytical results. The water content of the sample at 1190 m could not be calculated, as the weight of the wet sample was not recorded correctly. This, however, has no effect on the concentration values.

FIGURES

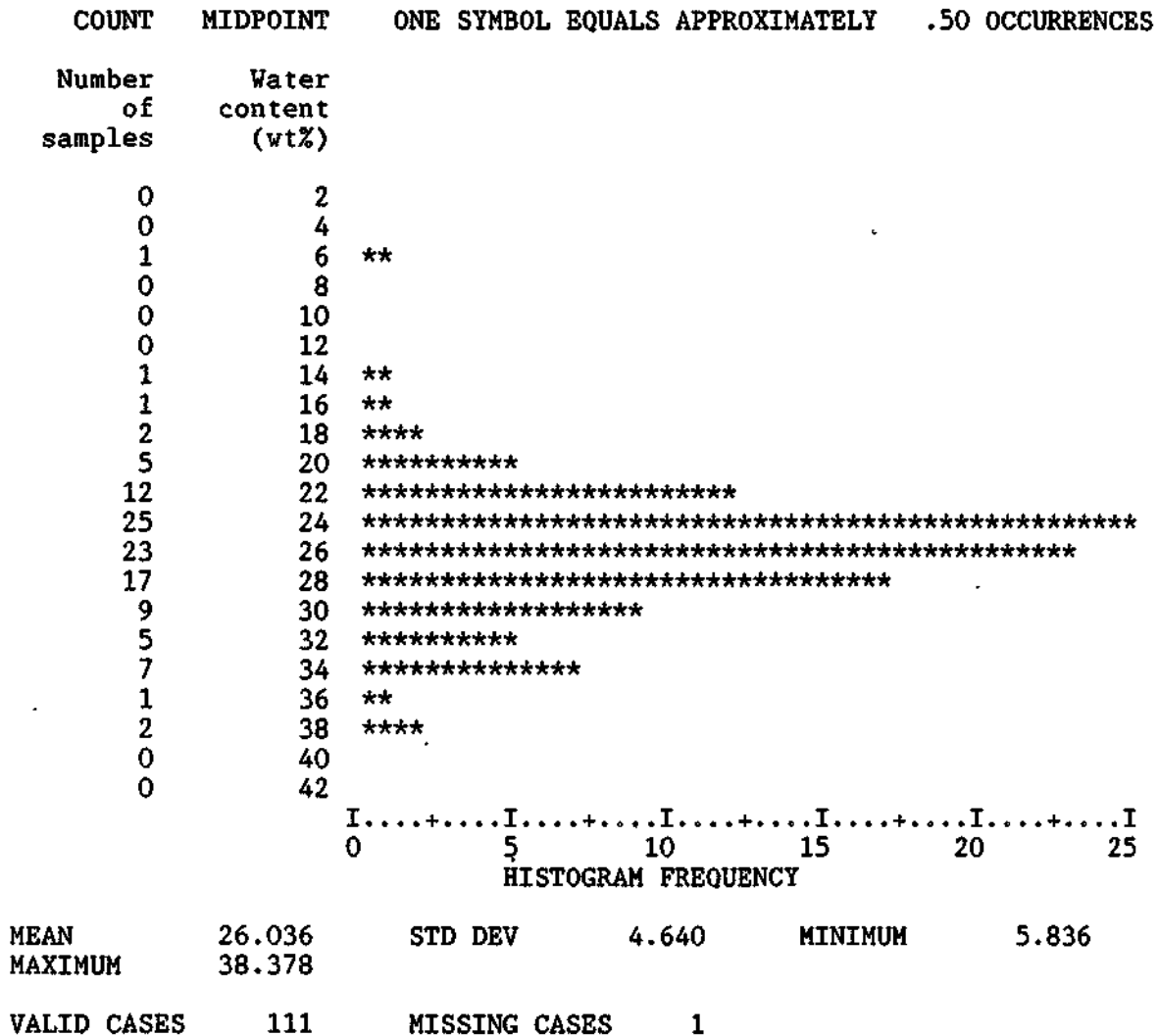


Figure 1: Frequency distribution of the water content of the >125µm fraction.

TABLES

Table 1a: Sample identification and experimental data for cutting samples.

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)
383741	690	142.4	38.4	310	420	12.5	29.5
383751	700	181.7	35.9	400	410	12.7	29.0
383761	710	209.4	37.2	430	310	12.7	31.0
383771	720	63.0	32.0	220	490	13.5	31.0
383781	730	87.0	31.1	250	370	13.6	31.5
383791	740	105.3	28.9	290	370	13.9	30.0
383801	750	194.2	24.5	495	225	15.1	29.5
383811	760	208.7	24.3	640	180	15.6	29.5
383821	770	73.1	24.4	260	380	15.1	31.0
383831	780	84.1	28.5	310	420	14.3	29.0
383841	790	217.2	20.3	450	310	15.9	28.0
383851	800	207.3	23.9	670	100	15.3	29.0
383861	810	235.7	21.0	590	260	15.8	29.5
383871	820	169.5	21.4	485	320	16.0	29.0
383881	830	74.1	31.0	440	370	14.1	29.5
383891	840	125.6	25.2	430	390	15.3	30.0
383901	850	199.7	5.8	480	330	19.0	23.5
383911	860	101.8	26.2	530	300	14.9	30.0
383921	870	137.3	26.1	530	320	15.2	30.0
383931	880	123.6	26.3	470	350	15.2	28.5
383941	890	74.0	30.5	380	480	13.7	30.5
383951	900	186.4	25.4	490	270	15.1	31.5
383961	910	81.8	31.4	200	500	14.0	31.0
383971	920	103.8	34.2	450	300	13.2	30.5
383981	930	86.8	27.7	410	320	15.2	31.5
383991	940	208.1	23.0	490	340	15.3	31.0
384001	950	137.6	30.6	390	250	14.0	31.0
384011	960	122.3	31.0	450	300	13.7	32.5
384021	970	164.5	34.1	340	370	13.3	30.0
384031	980	201.6	33.2	410	250	13.4	29.5
384041	990	98.2	33.4	170	420	13.3	31.5
384051	1000	112.1	33.7	400	400	13.5	30.5
384061	1010	112.0	29.0	530	260	14.2	32.0
384071	1020	327.8	20.5	520	260	16.6	30.0
384081	1030	172.7	22.8	420	390	15.5	31.0
384091	1040	101.5	27.3	350	420	14.6	30.5
384101	1050	88.6	27.2	400	230	14.6	30.0
384111	1060	78.2	27.2	320	255	14.8	30.0
384121	1070	89.2	26.0	350	380	14.8	29.5
384131	1080	93.1	27.3	430	310	15.1	28.5
384141	1090	95.4	27.1	490	250	14.9	28.5

Comments:

Total weight and water content relate to >125 μ m 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.

Table 1a (continued):

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)
384151	1100	107.1	25.9	480	305	15.0	30.0
384161	1110	118.5	26.6	460	310	15.0	29.0
384171	1120	129.7	25.8	500	320	15.0	29.0
384181	1130	114.6	30.0	490	460	14.0	31.5
384191	1140	85.5	31.0	440	125	14.0	32.0
384201	1150	41.7	34.3	260	490	13.1	31.0
384211	1160	65.1	29.7	330	310	14.1	31.5
384221	1170	81.3	33.8	400	230	13.2	32.5
384231	1180	93.9	31.2	370	260	13.8	32.5
384241	1190	.	.	420	290	.	32.0
384251	1200	117.6	15.6	480	280	17.0	27.5
384261	1210	155.8	25.7	440	420	14.9	27.5
384271	1220	253.8	18.9	390	370	16.8	31.5
384281	1230	259.4	14.6	600	220	17.1	33.5
384291	1240	188.9	26.5	390	340	14.8	31.0
384301	1250	152.2	27.3	270	320	14.5	31.0
384311	1260	184.3	20.5	360	370	16.1	31.0
384321	1270	174.5	23.9	485	290	15.7	29.5
384331	1280	198.0	24.3	490	290	15.6	30.5
384341	1290	245.6	22.8	610	210	15.4	30.0
384351	1300	299.2	23.7	680	155	15.9	28.0
384361	1310	338.4	23.6	600	190	15.6	27.0
384371	1320	211.5	23.5	570	180	15.7	29.0
384381	1330	229.4	24.8	460	290	15.3	29.0
384391	1340	262.2	26.9	510	270	15.0	30.0
384401	1450	285.2	25.5	580	225	15.0	29.5
384411	1360	359.5	25.6	610	220	15.3	29.0
384421	1370	214.9	22.6	430	320	15.6	29.0
384431	1380	66.0	26.8	570	310	15.8	29.0
384441	1390	432.7	18.4	550	220	16.3	30.5
384451	1400	387.8	22.0	530	230	15.9	30.5
384461	1410	384.3	23.9	575	230	15.8	29.5
384471	1420	195.0	24.8	565	210	15.9	28.0
384481	1430	199.1	27.1	580	190	14.6	29.5
384491	1440	295.2	25.0	660	170	15.2	31.0
384501	1450	202.9	27.9	730	150	14.5	33.0
384511	1460	238.9	21.2	730	140	16.0	31.0
384521	1470	232.5	26.1	690	160	14.9	31.0
384531	1480	133.4	28.9	690	160	14.3	31.5
384541	1490	546.4	22.7	750	70	16.1	31.0
384551	1500	261.9	25.7	440	270	14.9	31.5

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.
 . = value is missing or cannot be computed

Table 1a (continued):

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)
384561	1510	291.4	19.6	450	220	16.5	32.0
384571	1520	206.3	26.4	490	330	15.2	32.5
384581	1530	198.3	27.5	560	220	14.6	30.0
384591	1540	248.4	23.4	490	330	15.5	32.5
384601	1550	215.2	22.9	520	310	15.4	31.5
384611	1560	219.0	23.8	480	380	15.5	31.5
384621	1570	225.6	25.6	530	360	14.9	32.0
384631	1580	296.3	23.7	530	260	15.3	32.5
384641	1590	194.9	24.8	530	180	15.3	32.0
384651	1600	291.0	24.6	490	300	15.6	30.0
384661	1610	295.8	23.2	540	270	15.4	30.5
384671	1620	289.5	22.0	520	260	17.5	29.0
384681	1630	417.7	21.0	570	200	16.9	31.0
384691	1640	287.9	21.9	520	190	16.6	28.5
384701	1650	272.1	24.0	510	240	16.0	30.5
384711	1660	235.7	24.8	520	310	15.5	32.5
384721	1670	243.7	26.0	570	270	15.5	27.5
384731	1680	134.3	27.5	550	390	14.6	29.5
384741	1690	146.2	28.5	490	310	14.2	22.5
384751	1700	173.3	29.0	560	300	14.4	31.0
384761	1710	156.6	29.3	490	240	14.3	32.5
384771	1720	201.4	23.8	510	230	15.2	32.5
384781	1730	168.5	26.2	400	310	14.8	31.5
384791	1740	108.9	25.8	450	270	14.9	31.0
384801	1750	101.4	24.9	440	210	14.6	33.5
384811	1760	144.6	21.1	460	310	16.0	32.0
384821	1770	135.1	24.6	410	350	15.4	32.0
384831	1780	155.1	26.6	390	250	15.0	31.5
384841	1790	160.9	28.1	550	290	14.6	33.0
384851	1800	126.4	29.2	520	320	14.4	31.5

Comments:Total weight and water content relate to >125 μ m 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.

Table 1b: Sample identification and experimental data for mud samples.

IKU-ID	Depth (m)	Total sample volume (ml)	Head- space vol. (ml)
384861	790	560	440
384871	1015	720	280
384881	1250	630	370
384891	1500	500	500
384901	1750	750	250
384911	1800	660	340

Table 2: Yield of headspace and occluded gas compounds.

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

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

IKU-ID DEPTH	383741 690m H	383742 690m O	383751 700m H	383752 700m O	383761 710m H	383762 710m O	383771 720m H	383772 720m O
COMPOUND								
Methane	8571.22	330.57	6920.22	295.05	4358.21	625.93	18915.55	370.71
Ethene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ethane	2562.06	419.54	2083.33	328.04	1033.23	337.49	3852.57	511.96
Propene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Propane	1051.56	981.76	921.11	819.31	437.63	642.87	1450.09	1105.02
i-Butane	147.97	286.57	135.03	246.59	70.76	211.21	164.11	291.79
? RI= 360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	133.40	467.99	123.14	414.54	62.99	352.77	179.90	466.22
2,2-DMC3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Pentane	15.78	91.64	14.35	79.21	7.67	77.13	0.00	69.72
n-Pentane	18.38	145.47	15.98	132.05	9.00	138.77	0.00	131.07
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	0.00	8.76	0.00	0.00	0.00	8.35	0.00	9.05
CyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC4	0.00	8.45	0.00	0.00	0.00	8.23	0.00	0.00
2-MC5	0.00	34.17	0.00	28.18	0.00	36.86	0.00	28.08
3-MC5	0.00	17.51	0.00	14.04	0.00	18.72	0.00	13.98
n-Hexane	0.00	44.18	0.00	38.45	0.00	56.68	0.00	44.48
2,2-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	10.50	17.49	8.48	18.20	5.54	20.65	35.70	26.48
3,3-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	0.00	36.75	0.00	28.18	0.00	41.01	0.00	36.53
2-MC6	0.00	0.00	0.00	0.00	0.00	11.33	0.00	8.06
2,3-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,1-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MC6	0.00	8.19	0.00	0.00	0.00	12.23	0.00	8.79
DMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Heptane	0.00	13.78	0.00	10.96	0.00	24.60	0.00	17.50
MCyC6	0.00	29.45	0.00	21.12	0.00	39.62	0.00	24.11
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMCyC5	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
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-Et,2-MC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-MC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	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	13.47	0.00	0.00
? RI= 806	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 820	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 826	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EtCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
unsp. Napht	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 846	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EtBenzene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 859	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
m+p-Xylene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-+2-MC8?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 883	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 891	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MC8+C4CyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C4CyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Nonane	0.00	0.00	0.00	0.00	0.00	9.64	0.00	0.00
SUM:	12510.9	2942.3	10221.6	2473.9	5985.0	2687.6	24597.9	3163.6

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS (microliters gas per kg dry sediment)								
IKU-ID DEPTH	383781 730m H	383782 730m O	383791 740m H	383792 740m O	383801 750m H	383802 750m O	383811 760m H	383812 760m O
COMPOUND								
Methane	21667.50	589.65	18576.25	546.41	16779.13	707.18	16143.48	725.62
Ethene	0.00	0.00	0.00	52.12	0.00	0.00	0.00	0.00
Ethane	3706.42	846.93	3231.61	762.28	2775.15	1116.92	2709.94	1257.78
Propene	0.00	0.00	0.00	38.14	0.00	0.00	0.00	0.00
Propane	1144.45	1463.68	892.67	1221.99	680.45	1269.34	767.93	1469.33
i-Butane	115.04	328.25	77.48	247.86	53.47	219.18	61.56	233.22
? RI= 360	0.00	0.00	20.59	0.00	0.00	0.00	0.00	0.00
Butene	0.00	0.00	0.00	20.85	0.00	0.00	0.00	0.00
n-Butane	124.31	517.39	80.47	384.54	55.98	330.89	65.18	358.22
2,2-DMC3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Pentane	0.00	60.80	0.00	37.51	0.00	25.92	0.00	23.39
n-Pentane	0.00	107.54	0.00	63.78	0.00	44.68	3.92	35.15
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MC5	0.00	16.31	0.00	0.00	0.00	0.00	0.00	0.00
3-MC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Hexane	0.00	24.23	0.00	10.21	0.00	0.00	0.00	0.00
2,2-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.00	25.22	0.00	9.13	0.00	12.05	4.06	15.37
3,3-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	0.00	23.42	0.00	11.05	0.00	6.72	0.00	0.00
2-MC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,1-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC5	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
MCyC6	0.00	9.89	0.00	0.00	0.00	0.00	0.00	0.00
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMCyC5	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
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-Et, 2-MC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-MC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	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
? RI= 806	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 820	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 826	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EtCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
unsp. Napht	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 846	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EtBenzene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 859	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
m+p-Xylene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-+2-MC8?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 883	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 891	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MC8+C4CyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C4CyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Nonane	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUM:	26757.7	4013.3	22879.1	3405.9	20344.2	3732.9	19756.1	4118.1

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

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

IKU-ID DEPTH	383821 770m H	383822 770m O	383831 780m H	383832 780m O	383841 790m H	383842 790m O	383851 800m H	383852 800m O
COMPOUND								
Methane	17897.79	650.90	14275.36	314.48	25054.98	1716.24	15754.87	459.19
Ethene	0.00	66.85	0.00	0.00	0.00	19.00	0.00	0.00
Ethane	3935.42	187.33	3362.10	575.05	3718.24	1513.67	2668.36	1068.47
Propene	0.00	30.10	0.00	0.00	0.00	0.00	0.00	0.00
Propane	1492.50	857.06	1419.91	1313.05	840.41	1617.24	814.99	1404.23
i-Butane	113.90	201.15	106.97	232.45	56.42	239.13	61.25	210.64
? RI= 360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	136.98	369.29	134.89	399.33	67.54	418.26	69.40	392.41
2,2-DMC3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Pentane	0.00	28.58	0.00	27.78	0.00	31.68	3.66	28.37
n-Pentane	0.00	45.62	0.00	41.11	0.00	42.67	3.19	36.47
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Hexane	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.00	8.07	0.00	18.76	0.00	21.18	2.28	14.46
3,3-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	0.00	7.37	0.00	0.00	0.00	7.70	0.00	0.00
2-MC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,1-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC5	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
MCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMCyC5	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
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-Et, 2-MC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-MC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	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
? RI= 806	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 820	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 826	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EtCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
unsp. Napht	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 846	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EtBenzene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 859	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
m+p-Xylene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-+2-MC8?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 883	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 891	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MC8+C4CyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C4CyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Nonane	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUM:	23576.6	2452.3	19299.2	2922.0	29737.6	5626.8	19378.0	3614.2

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

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

IKU-ID DEPTH	383861 810m H	383862 810m O	383871 820m H	383872 820m O	383881 830m H	383882 830m O	383891 840m H	383892 840m O
COMPOUND								
Methane	22388.42	792.65	26859.57	512.96	12087.77	248.78	22358.80	751.73
Ethene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ethane	4010.66	1420.93	4920.26	1199.95	3925.65	346.87	4304.63	1190.65
Propene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Propane	1049.02	1797.80	1385.63	1659.11	2978.03	1151.61	1730.53	1942.98
i-Butane	69.88	268.02	96.26	251.12	324.56	247.84	156.59	305.41
? RI= 360	0.00	0.00	0.00	0.00	0.00	0.00	162.05	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	92.29	521.31	125.28	522.87	499.43	613.85	266.04	757.31
2,2-DMC3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Pentane	0.00	47.09	0.00	52.76	53.93	110.24	23.75	112.16
n-Pentane	0.00	54.00	0.00	57.66	41.49	118.52	20.06	119.29
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC5	0.00	0.00	0.00	0.00	0.00	9.02	0.00	9.10
2,3-DMC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MC5	0.00	0.00	0.00	0.00	0.00	17.07	0.00	13.45
3-MC5	0.00	0.00	0.00	0.00	0.00	8.08	0.00	0.00
n-Hexane	0.00	0.00	0.00	0.00	0.00	15.73	0.00	13.57
2,2-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	7.99	25.30	0.00	22.86	81.59	30.53	35.80	30.69
3,3-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	0.00	9.39	0.00	9.06	21.47	32.39	13.76	24.57
2-MC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,1-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC5	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
MCyC6	0.00	0.00	0.00	0.00	0.00	10.19	0.00	7.35
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMCyC5	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	33.70	15.36	13.41	11.14
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-Et, 2-MC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-MC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	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
? RI= 806	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 820	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 826	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EtCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
unsp. Napht	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 846	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EtBenzene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 859	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
m+p-Xylene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-+2-MC8?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 883	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 891	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MC8+C4CyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C4CyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Nonane	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUM:	27618.3	4936.5	33387.0	4288.3	20047.6	2976.1	29085.4	5289.4

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

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

IKU-ID DEPTH	383901 850m H	383902 850m O	383911 860m H	383912 860m O	383921 870m H	383922 870m O	383931 880m H	383932 880m O
COMPOUND								
Methane	22370.21	791.18	11354.20	3022.95	14740.74	1202.07	15549.46	881.59
Ethane	0.00	0.00	0.00	36.08	0.00	0.00	0.00	0.00
Ethane	4658.21	1345.57	2442.64	374.13	4010.91	344.80	4917.98	652.28
Propene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Propane	1541.76	1925.01	2618.02	979.63	3812.85	928.34	4213.62	1732.76
i-Butane	112.85	294.86	430.58	270.52	523.58	188.88	421.70	262.46
? RI= 360	79.45	0.00	189.96	0.00	451.01	0.00	476.61	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	174.72	650.84	748.32	844.19	964.50	716.33	855.72	1001.42
2,2-DMC3	0.00	0.00	0.00	0.00	14.03	0.00	0.00	0.00
i-Pentane	14.79	90.19	178.64	303.38	196.75	209.47	122.90	212.94
n-Pentane	12.44	86.43	124.72	386.48	143.06	280.66	94.13	273.32
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	0.00	0.00	0.00	24.46	9.42	13.20	0.00	7.84
CyC5	0.00	6.58	24.19	24.06	25.82	18.32	24.04	21.15
2,3-DMC4	0.00	0.00	11.96	35.26	10.70	19.95	0.00	12.56
2-MC5	0.00	9.18	36.22	148.03	32.63	85.38	13.14	52.82
3-MC5	0.00	0.00	21.07	77.05	18.74	45.93	0.00	29.33
n-Hexane	0.00	9.47	19.95	159.42	24.77	93.04	10.65	55.82
2,2-DMC5	0.00	0.00	0.00	12.97	0.00	0.00	0.00	0.00
MCyC5	0.00	0.00	31.53	63.97	31.98	45.43	24.21	39.60
2,4-DMC5	0.00	0.00	0.00	18.68	0.00	8.35	0.00	0.00
TMC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	21.65	20.42	69.90	41.13	62.83	28.16	70.25	30.96
3,3-DMC5	0.00	0.00	0.00	7.27	0.00	0.00	0.00	0.00
CyC6	0.00	16.44	88.73	136.65	78.33	85.82	55.44	65.83
2-MC6	0.00	0.00	0.00	52.71	0.00	25.16	0.00	8.32
2,3-DMC5	0.00	0.00	0.00	26.92	0.00	13.03	0.00	0.00
1,1-DMC5	0.00	0.00	0.00	13.79	0.00	7.05	0.00	0.00
3-MC6	0.00	0.00	0.00	54.10	0.00	25.70	0.00	8.70
DMCyC5	0.00	0.00	0.00	7.51	0.00	0.00	0.00	0.00
DMCyC5	0.00	0.00	0.00	11.62	0.00	0.00	0.00	0.00
DMCyC5	0.00	0.00	0.00	12.85	0.00	7.56	0.00	0.00
n-Heptane	0.00	0.00	0.00	71.13	0.00	32.70	0.00	10.80
MCyC6	0.00	0.00	62.33	183.93	50.04	101.94	27.81	51.41
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	0.00	0.00	8.28	0.00	0.00	0.00	0.00
2,4-DMC6	0.00	0.00	0.00	14.80	0.00	0.00	0.00	0.00
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.00	5.78	42.41	43.97	36.66	27.02	34.75	20.14
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-Et, 2-MC5	0.00	0.00	0.00	30.00	0.00	11.03	0.00	0.00
2-MC7	0.00	0.00	0.00	9.91	0.00	0.00	0.00	0.00
4-MC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MC7	0.00	0.00	0.00	21.83	0.00	8.43	0.00	0.00
DMCyC6	0.00	0.00	0.00	14.56	0.00	0.00	0.00	0.00
DMCyC6	0.00	0.00	0.00	7.67	0.00	0.00	0.00	0.00
DMCyC6	0.00	0.00	0.00	8.80	0.00	0.00	0.00	0.00
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	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	36.06	0.00	13.97	0.00	0.00
? RI= 806	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 820	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 826	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EtCyC6	0.00	0.00	0.00	15.95	0.00	0.00	0.00	0.00
unsp. Napht	0.00	0.00	0.00	11.84	0.00	0.00	0.00	0.00
? RI= 846	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
StBenzene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 859	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
m+p-Xylene	0.00	0.00	0.00	15.60	0.00	0.00	0.00	0.00
4-+2-MC8?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 883	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 891	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MC8+C4CyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C4CyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Nonane	0.00	0.00	0.00	8.88	0.00	0.00	0.00	0.00
SUM:	28986.1	5252.0	18495.4	7649.0	25239.4	4587.7	26912.4	5432.0

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

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

IKU-ID DEPTH	383941 890m H	383942 890m O	383951 900m H	383952 900m O	383961 910m H	383962 910m O	383971 920m H	383972 920m O
COMPOUND								
Methane	30238.31	756.36	26551.01	1552.32	44996.57	1165.07	34238.53	1842.38
Ethene	0.00	34.93	0.00	66.92	0.00	56.24	0.00	72.04
Ethane	7900.35	845.36	5343.58	1042.25	11278.42	807.53	8108.84	1113.13
Propene	0.00	0.00	0.00	22.03	0.00	18.82	0.00	23.11
Propane	6264.45	2364.53	3778.80	2129.13	10710.21	2546.43	8985.55	3350.66
i-Butane	599.09	376.57	604.18	549.85	1481.11	612.43	1401.13	908.28
? RI= 360	589.88	0.00	133.20	0.00	579.52	0.00	236.27	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	1378.77	1516.79	1169.78	1895.09	3422.55	2427.34	3366.68	3584.65
2,2-DMC3	0.00	0.00	12.83	22.68	0.00	18.84	26.30	30.55
i-Pentane	189.28	321.85	330.52	953.37	785.09	920.50	810.17	1526.78
n-Pentane	157.62	417.00	226.72	1193.47	586.06	1225.39	676.68	2114.30
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	0.00	10.26	12.80	74.47	26.53	50.86	22.60	76.43
CyC5	46.31	34.00	45.57	78.21	134.41	87.86	134.54	150.37
2,3-DMC4	0.00	17.19	19.29	133.09	41.14	92.45	38.03	144.92
2-MC5	0.00	76.49	62.08	642.54	141.14	452.98	149.05	794.52
3-MC5	0.00	43.46	42.57	386.59	96.76	271.63	99.16	469.79
n-Hexane	0.00	83.95	36.11	946.36	84.23	594.20	115.90	1102.92
2,2-DMC5	0.00	0.00	0.00	50.11	0.00	26.77	0.00	36.58
MCyC5	49.04	66.61	115.20	486.48	283.01	385.75	293.27	699.47
2,4-DMC5	0.00	0.00	0.00	85.13	0.00	45.70	0.00	68.46
TMC4	0.00	0.00	0.00	20.30	0.00	10.47	0.00	13.47
Benzene	186.94	63.07	137.20	113.19	355.07	95.13	213.35	109.18
3,3-DMC5	0.00	0.00	0.00	32.25	0.00	16.85	0.00	22.04
CyC6	101.90	95.86	218.84	726.52	490.16	500.72	422.95	804.46
2-MC6	0.00	10.37	13.69	409.27	28.85	191.09	25.52	293.65
2,3-DMC5	0.00	0.00	7.26	145.40	0.00	76.75	13.70	120.68
1,1-DMC5	0.00	0.00	9.50	84.17	0.00	48.91	17.89	77.87
3-MC6	0.00	11.20	17.28	434.97	36.12	208.01	33.06	330.95
DMCyC5	0.00	0.00	10.44	122.79	25.24	75.26	27.66	142.73
DMCyC5	0.00	0.00	11.52	146.49	27.57	86.05	29.39	159.62
DMCyC5	0.00	8.88	18.15	207.04	44.25	128.92	50.06	253.98
n-Heptane	0.00	14.40	7.88	880.25	0.00	348.68	30.95	570.07
MCyC6	54.16	76.61	199.81	1839.18	448.47	961.95	364.62	1472.71
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	0.00	9.27	54.26	0.00	22.16	19.97	142.84
2,4-DMC6	0.00	0.00	0.00	150.34	0.00	72.34	0.00	0.00
TMCyC5	0.00	0.00	0.00	76.00	0.00	37.04	0.00	62.71
TMCyC5	0.00	0.00	0.00	48.27	0.00	28.28	0.00	62.43
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	93.60	39.18	117.57	194.40	308.01	142.22	199.57	191.06
TMCyC5	0.00	0.00	0.00	43.04	0.00	18.51	0.00	24.24
2,3-DMC6	0.00	0.00	0.00	9.87	0.00	0.00	0.00	8.71
3-Et, 2-MC5	0.00	0.00	5.16	294.60	0.00	116.89	11.27	161.49
2-MC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-MC7	0.00	0.00	0.00	109.71	0.00	41.89	0.00	54.74
3,4-DMC6	0.00	0.00	0.00	21.30	0.00	8.92	0.00	12.62
3-MC7	0.00	0.00	6.62	269.56	0.00	102.88	0.00	129.14
DMCyC6	0.00	0.00	14.25	283.88	32.95	123.60	24.88	184.09
DMCyC6	0.00	0.00	7.10	140.06	0.00	59.72	11.79	86.58
DMCyC6	0.00	0.00	0.00	67.44	0.00	32.04	0.00	49.05
DMCyC6?	0.00	0.00	0.00	9.58	0.00	0.00	0.00	0.00
DMCyC6	0.00	0.00	0.00	28.85	0.00	19.77	0.00	45.43
? RI= 797	0.00	0.00	0.00	11.16	0.00	0.00	0.00	15.13
n-Octane	0.00	0.00	9.08	627.10	24.02	221.54	23.24	297.19
? RI= 806	0.00	0.00	0.00	83.51	0.00	31.42	0.00	52.82
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 820	0.00	0.00	0.00	17.27	0.00	7.99	0.00	8.99
? RI= 826	0.00	0.00	0.00	24.32	0.00	10.14	0.00	13.24
DMCyC6?	0.00	0.00	0.00	82.82	0.00	36.16	0.00	52.54
EtCyC6	0.00	0.00	11.39	217.62	26.47	89.50	20.00	124.70
unsp. Napht	0.00	0.00	0.00	59.43	0.00	26.90	0.00	41.66
? RI= 846	0.00	0.00	0.00	15.88	0.00	0.00	0.00	12.15
EtBenzene	0.00	0.00	5.74	18.42	0.00	10.14	11.47	22.87
? RI= 859	0.00	0.00	0.00	49.67	0.00	20.22	0.00	28.77
m+p-Xylene	0.00	0.00	29.64	198.76	58.44	88.62	50.78	118.95
4-+2-MC8?	0.00	0.00	0.00	80.73	0.00	31.33	0.00	37.87
? RI= 883	0.00	0.00	0.00	15.79	0.00	0.00	0.00	9.36
o-Xylene	0.00	0.00	7.50	19.15	0.00	11.29	15.23	17.03
? RI= 891	0.00	0.00	0.00	21.01	0.00	8.26	0.00	13.29
MC8+C4CyC6	0.00	0.00	0.00	41.18	0.00	14.53	0.00	17.01
C4CyC6?	0.00	0.00	0.00	19.55	0.00	0.00	0.00	0.00
n-Nonane	0.00	0.00	0.00	180.55	0.00	57.84	0.00	64.23
SUM:	47849.7	7284.9	39359.1	21057.0	76552.4	16047.7	60320.1	24643.7

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

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

IKU-ID DEPTH	383981 930m H	383982 930m O	383991 940m H	383992 940m O	384001 950m H	384002 950m O	384011 960m H	384012 960m O
COMPOUND								
Methane	73234.39	1605.01	48591.50	3298.72	51761.83	2807.87	70171.25	2981.15
Ethene	0.00	64.20	0.00	89.43	0.00	77.83	0.00	96.74
Ethane	19745.03	1354.67	12053.48	2898.66	12379.94	2536.00	15594.60	2275.52
Propene	0.00	22.03	0.00	29.76	0.00	24.82	0.00	31.17
Propane	24573.16	5583.29	11854.50	8770.85	12457.70	7951.17	13737.84	7022.04
i-Butane	4010.10	2277.43	1605.60	2881.36	1743.57	2451.68	1568.83	2086.19
? RI= 360	243.35	0.00	70.42	19.71	209.96	18.13	188.63	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	10606.67	7477.15	4173.28	9614.01	4727.47	8938.21	4680.42	7930.76
2,2-DMC3	67.10	84.68	22.04	95.96	25.85	74.91	16.56	52.43
i-Pentane	2464.22	3816.83	802.31	4357.95	1000.71	3952.96	826.14	3366.48
n-Pentane	2420.31	4697.60	733.20	5328.60	952.13	5115.38	859.01	4583.90
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	58.91	168.90	16.03	182.90	20.98	152.19	13.66	113.77
CyC5	438.67	331.62	173.90	429.40	191.42	423.26	231.83	420.74
2,3-DMC4	111.26	307.52	30.78	340.55	40.64	305.82	33.16	255.66
2-MC5	506.25	1771.56	128.26	1939.42	183.25	1838.30	153.85	1620.16
3-MC5	327.48	1023.75	85.78	1135.98	121.31	1090.54	104.89	971.44
n-Hexane	493.09	2404.47	101.33	2589.59	161.94	2434.76	134.82	2135.53
2,2-DMC5	0.00	64.10	0.00	69.25	0.00	58.37	0.00	44.95
MCyC5	961.92	1458.01	307.49	1710.69	391.72	1750.57	418.75	1683.83
2,4-DMC5	26.14	133.25	5.96	147.93	9.03	135.63	0.00	115.55
TMC4	0.00	25.16	0.00	28.24	0.00	24.18	0.00	17.63
Benzene	407.96	108.51	223.41	179.27	181.32	171.50	267.67	164.26
3,3-DMC5	0.00	37.03	0.00	41.11	0.00	36.07	0.00	27.57
CyC6	1181.86	1449.04	392.85	1710.73	457.47	1643.49	472.22	1459.77
2-MC6	97.88	545.94	19.70	597.61	30.96	548.54	26.98	464.18
2,3-DMC5	48.04	215.57	10.70	243.26	16.84	241.25	16.12	219.03
1,1-DMC5	53.82	137.71	14.35	158.16	20.08	155.60	19.11	140.32
3-MC6	125.35	607.74	26.57	675.09	41.52	649.25	38.44	573.92
DMCyC5	101.16	275.19	26.14	317.09	39.03	343.41	42.36	337.67
DMCyC5	107.28	302.07	27.53	348.80	41.44	378.89	45.31	373.94
DMCyC5	186.18	489.41	49.36	575.81	75.67	650.00	87.11	666.82
n-Heptane	137.36	1140.53	19.25	1236.31	38.08	1131.01	27.84	919.63
MCyC6	1058.62	2161.73	278.37	2433.97	364.41	2369.31	349.33	1997.78
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	76.39	238.41	18.99	275.47	28.87	289.30	34.32	276.37
2,4-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMCyC5	25.47	106.19	0.00	125.26	9.61	139.10	11.73	142.24
TMCyC5	28.53	116.36	6.80	141.85	12.08	175.95	15.77	191.82
TMCyC5	0.00	11.13	0.00	13.86	0.00	15.37	0.00	14.61
Toluene	474.51	236.62	201.32	298.17	183.76	321.47	277.46	284.48
TMCyC5	0.00	35.38	0.00	40.26	0.00	39.46	0.00	34.73
2,3-DMC6	0.00	14.24	0.00	16.96	0.00	18.56	0.00	17.58
3-Et, 2-MC5	44.28	268.04	8.69	302.50	14.64	292.04	13.98	241.92
2-MC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-MC7	15.12	87.33	0.00	97.94	0.00	92.65	0.00	75.79
3,4-DMC6	0.00	18.98	0.00	21.88	0.00	22.19	0.00	20.09
3-MC7	35.43	197.99	7.14	222.53	11.43	210.69	0.00	170.73
DMCyC6	89.59	261.28	19.88	298.80	29.47	304.51	32.16	267.85
DMCyC6	41.44	118.85	9.31	133.73	13.75	137.22	15.01	121.84
DMCyC6	27.02	68.16	6.37	79.38	9.56	86.51	10.79	80.89
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	28.24	81.49	6.37	98.29	11.36	124.27	15.21	131.90
? RI= 797	15.59	23.79	0.00	28.49	0.00	33.55	0.00	32.90
n-Octane	89.59	495.32	15.23	551.58	27.22	521.89	24.26	396.59
? RI= 806	23.67	70.96	0.00	82.73	7.29	89.24	0.00	81.82
? RI= 815	0.00	9.51	0.00	11.65	0.00	14.90	0.00	17.22
? RI= 820	0.00	12.12	0.00	14.00	0.00	14.33	0.00	12.91
? RI= 826	0.00	20.66	0.00	24.09	0.00	25.91	0.00	23.58
DMCyC6?	0.00	78.50	0.00	91.26	0.00	96.96	0.00	85.16
EtCyC6	64.41	165.21	16.01	188.69	20.82	193.99	22.94	161.48
unsp.Napht	17.92	55.39	0.00	66.74	7.01	78.05	9.96	80.14
? RI= 846	0.00	16.95	0.00	20.79	0.00	33.75	0.00	34.56
EtBenzene	35.50	35.89	12.43	42.49	13.48	52.79	19.08	52.09
? RI= 859	0.00	41.76	0.00	49.84	0.00	53.76	0.00	49.13
m+p-Xylene	152.70	173.81	50.21	190.72	50.04	197.78	70.06	152.01
4-+2-MC8?	18.25	56.33	0.00	68.28	0.00	67.67	0.00	52.31
? RI= 883	0.00	12.33	0.00	14.57	0.00	16.65	0.00	15.51
o-Xylene	37.31	25.93	15.21	27.37	14.21	30.47	18.84	24.20
? RI= 891	0.00	21.72	0.00	25.47	0.00	30.00	0.00	28.06
MC8+C4CyC6	0.00	25.84	0.00	30.11	0.00	31.51	0.00	26.07
C4CyC6?	0.00	15.09	0.00	17.99	0.00	19.64	0.00	16.56
n-Nonane	13.38	119.37	0.00	134.68	0.00	127.32	0.00	82.01
SUM:	145147.9	45478.6	82238.0	58324.6	88150.9	54480.3	110718.3	48647.7

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS (microliters gas per kg dry sediment)								
IKU-ID DEPTH	384021 970m H	384022 970m O	384031 980m H	384032 980m O	384041 990m H	384042 990m O	384051 1000m H	384052 1000m O
COMPOUND								
Methane	71634.18	5333.91	57439.49	7137.90	100593.03	3300.02	64069.23	3230.09
Ethene	0.00	97.11	0.00	94.71	0.00	80.81	0.00	93.44
Ethane	26489.14	12374.17	21161.21	17082.53	38030.36	7600.12	20090.85	4228.97
Propene	0.00	28.71	0.00	25.91	0.00	26.01	0.00	31.86
Propane	18707.94	33397.42	13782.17	41030.38	27925.21	26424.24	19646.82	15929.97
i-Butane	1784.12	7857.23	1230.61	8941.49	2738.08	7259.09	2685.82	5279.55
? RI= 360	0.00	0.00	95.09	0.00	563.49	0.00	270.40	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.95
n-Butane	4999.03	26044.31	3433.79	28662.73	7675.91	23646.98	7461.37	17708.37
2,2-DMC3	15.81	171.38	11.19	174.62	26.52	162.19	35.08	143.37
i-Pentane	779.72	8044.56	520.21	8296.00	1154.14	7297.32	1401.11	6508.02
n-Pentane	828.28	9898.67	534.77	9961.18	1202.47	8903.53	1461.30	8250.50
? RI= 509	0.00	23.50	0.00	20.78	0.00	17.55	0.00	16.56
2,2-DMC4?	11.97	194.35	8.27	198.13	19.72	194.64	28.80	206.95
CyC5	231.33	919.83	147.59	910.45	335.91	800.43	324.75	682.25
2,3-DMC4	30.68	436.89	20.49	426.28	45.98	404.27	59.41	412.20
2-MC5	148.34	2764.89	96.50	2623.30	214.70	2453.45	275.22	2479.45
3-MC5	98.94	1612.29	64.63	1524.69	143.11	1424.51	179.73	1437.36
n-Hexane	130.23	3221.08	72.88	3057.15	191.52	2951.67	267.33	3195.04
2,2-DMC5	0.00	63.16	0.00	57.86	0.00	57.86	0.00	67.12
MCyC5	381.45	2628.99	240.60	2464.20	551.47	2298.53	613.49	2257.02
2,4-DMC5	0.00	176.05	4.94	159.92	0.00	152.05	13.35	161.63
TMC4	0.00	25.31	0.00	23.29	0.00	23.23	0.00	26.93
Benzene	380.35	461.39	226.40	488.62	672.09	401.00	487.99	307.33
3,3-DMC5	0.00	38.66	0.00	33.42	0.00	32.92	0.00	39.42
CyC6	404.39	2027.50	254.10	1920.87	617.47	1857.24	702.02	1921.03
2-MC6	26.02	618.27	17.51	561.20	39.90	548.76	50.88	614.59
2,3-DMC5	16.64	320.86	11.17	287.63	24.04	268.91	26.33	277.53
1,1-DMC5	18.35	199.74	11.71	177.57	26.39	166.93	29.69	174.80
3-MC6	37.90	789.02	25.95	713.02	37.44	681.61	67.15	731.66
DMCyC5	41.21	474.52	26.12	423.81	37.95	392.52	60.98	391.73
DMCyC5	44.49	531.74	28.46	474.47	62.40	436.52	64.76	432.29
DMCyC5	87.16	962.35	55.17	857.37	119.71	780.75	118.61	754.16
n-Heptane	27.67	1083.34	16.06	995.54	42.56	1005.04	62.16	1185.66
MCyC6	292.40	2264.86	186.20	2094.10	464.01	2077.96	567.96	2352.30
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	33.22	372.34	20.90	332.07	48.46	309.53	48.06	318.74
2,4-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMCyC5	13.29	215.84	8.97	187.66	18.78	167.73	15.63	160.41
TMCyC5	18.04	292.49	12.08	255.02	24.93	224.88	19.59	206.45
TMCyC5	0.00	22.17	0.00	20.76	0.00	19.21	0.00	17.64
Toluene	328.75	505.85	188.05	503.61	578.59	481.95	473.22	438.50
TMCyC5	0.00	44.93	0.00	43.15	0.00	40.95	0.00	42.79
2,3-DMC6	0.00	24.02	0.00	24.41	0.00	22.05	0.00	21.58
3-Et, 2-MC5	14.64	287.55	9.88	264.40	23.18	257.54	23.76	284.37
2-MC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-MC7	0.00	85.87	0.00	83.11	0.00	81.71	0.00	92.38
3,4-DMC6	0.00	20.23	0.00	25.71	0.00	23.87	0.00	24.60
3-MC7	0.00	138.77	5.47	183.36	0.00	180.90	18.45	204.60
DMCyC6	29.98	308.84	20.16	291.57	46.75	278.36	48.46	299.22
DMCyC6	13.52	135.65	8.95	128.17	21.00	122.97	22.23	132.98
DMCyC6	10.75	101.48	0.00	91.69	0.00	86.38	15.41	88.90
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	17.25	187.38	11.81	166.48	20.02	150.39	18.63	141.79
? RI= 797	0.00	39.99	4.56	36.24	0.00	34.53	0.00	35.45
n-Octane	24.81	400.13	16.29	361.86	37.81	371.56	41.71	450.23
? RI= 806	0.00	109.13	4.95	96.93	0.00	90.40	0.00	92.25
? RI= 815	0.00	27.50	0.00	23.93	0.00	21.41	0.00	19.45
? RI= 820	0.00	26.17	0.00	15.12	0.00	13.95	0.00	14.23
? RI= 826	0.00	33.54	0.00	27.98	0.00	26.55	0.00	27.16
DMCyC6?	0.00	111.00	0.00	93.74	0.00	89.76	0.00	94.98
EtCyC6	18.92	182.91	14.00	160.91	36.18	158.14	33.43	176.43
unsp. Napht	11.20	124.24	7.86	105.83	16.85	94.57	0.00	89.11
? RI= 846	0.00	54.97	0.00	45.86	0.00	41.07	0.00	38.57
EtBenzene	21.28	80.84	11.89	73.18	34.39	68.52	29.08	64.73
? RI= 859	0.00	67.31	0.00	58.58	0.00	54.50	0.00	55.08
m+p-Xylene	68.96	175.62	38.10	169.32	114.88	173.89	106.55	190.14
4-+2-MC8?	0.00	70.62	0.00	58.36	0.00	58.22	0.00	57.90
? RI= 883	0.00	18.41	0.00	17.37	0.00	15.44	0.00	15.63
o-Xylene	19.34	23.73	10.31	31.15	35.88	28.54	29.94	29.05
? RI= 891	0.00	31.08	0.00	33.64	0.00	26.01	0.00	26.00
MC8+C4CyC6	0.00	22.47	0.00	26.00	0.00	19.47	0.00	21.44
C4CyC6?	0.00	9.07	0.00	18.62	0.00	7.84	0.00	8.49
n-Nonane	0.00	51.88	0.00	53.65	0.00	52.06	0.00	74.56
SUM:	128291.7	129490.1	100117.5	146010.6	184653.3	108023.5	122066.7	85597.9

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS (microliters gas per kg dry sediment)								
IKU-ID	384061	384062	384071	384072	384081	384082	384091	384092
DEPTH	1010m H	1010m O	1020m H	1020m O	1030m H	1030m O	1040m H	1040m O
COMPOUND								
Methane	57661.57	2081.10	53478.68	4643.49	69707.08	2153.88	46247.13	1198.32
Ethene	0.00	76.30	0.00	79.63	0.00	58.42	0.00	56.47
Ethane	16890.20	2401.53	12708.84	6255.70	18685.38	2204.04	14213.71	1170.34
Propene	0.00	25.08	0.00	23.24	0.00	19.82	0.00	20.31
Propane	18498.05	9493.36	9260.47	14938.43	19034.13	7213.94	20176.67	6755.50
i-Butane	2618.13	3230.69	1136.12	3816.23	2814.75	2369.12	3314.15	2715.25
? RI= 360	115.63	0.00	49.80	24.98	244.12	12.76	141.27	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	6852.88	10864.45	2965.79	13114.90	6903.63	8107.14	7944.95	8563.86
2,2-DMC3	35.05	90.03	14.85	94.54	43.67	67.86	42.83	74.10
i-Pentane	1300.51	4356.37	550.76	4744.73	1416.17	3491.02	1639.08	3748.43
n-Pentane	1275.76	5564.76	535.74	6010.08	1325.21	4426.72	1526.61	4596.62
? RI= 509	0.00	0.00	0.00	8.46	0.00	0.00	0.00	0.00
2,2-DMC4?	25.28	145.35	10.28	146.04	28.72	126.46	31.41	126.83
CyC5	281.47	456.00	112.96	557.39	239.26	355.66	286.55	305.48
2,3-DMC4	50.70	290.61	20.45	302.69	53.18	250.54	62.32	249.97
2-MC5	220.16	1705.92	94.06	1817.42	247.10	1473.38	273.43	1461.62
3-MC5	145.60	996.44	61.26	1069.84	154.60	861.04	176.69	830.10
n-Hexane	185.16	2256.97	70.66	2340.14	228.31	1936.96	245.54	1874.29
2,2-DMC5	0.00	49.96	0.00	49.55	0.00	46.28	0.00	44.54
MCyC5	516.61	1613.12	205.41	1767.36	449.21	1337.04	542.19	1152.75
2,4-DMC5	10.98	115.02	4.58	121.86	11.54	104.32	0.00	94.45
TMC4	8.29	21.05	0.00	20.17	0.00	18.94	0.00	16.71
Benzene	335.93	209.28	145.73	316.68	314.44	168.70	396.79	137.71
3,3-DMC5	0.00	30.58	0.00	30.49	0.00	28.00	0.00	25.26
CyC6	604.31	1455.98	231.03	1540.73	520.71	1241.44	676.80	1080.66
2-MC6	37.89	454.51	15.57	470.86	40.65	415.60	44.48	375.09
2,3-DMC5	20.10	198.63	8.35	216.25	20.48	179.62	22.63	156.18
1,1-DMC5	24.75	131.67	9.66	138.98	22.63	117.04	29.79	106.69
3-MC6	51.09	531.85	20.96	566.89	51.67	482.52	57.10	424.20
DMCyC5	47.80	281.83	19.70	311.98	43.74	246.48	52.14	209.87
DMCyC5	50.51	308.94	20.84	344.19	46.32	269.88	54.37	227.00
DMCyC5	91.51	529.55	38.25	601.54	83.96	456.18	91.74	367.46
n-Heptane	39.63	896.23	12.56	916.90	54.22	821.64	48.74	720.34
MCyC6	474.55	1905.62	174.90	1897.57	402.13	1719.52	562.59	1559.01
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	36.89	27.58	0.00	0.00	0.00	26.72	0.00	23.61
2,4-DMC6	0.00	200.07	15.06	253.63	31.84	173.66	33.56	132.15
TMCyC5	12.30	113.28	5.11	130.36	10.98	99.58	0.00	81.60
TMCyC5	14.56	139.56	6.34	167.49	12.96	118.98	0.00	89.62
TMCyC5	0.00	11.79	0.00	14.02	0.00	10.58	0.00	8.04
Toluene	342.81	325.48	125.34	387.07	283.66	256.24	390.91	219.93
TMCyC5	0.00	32.27	0.00	34.41	0.00	29.26	0.00	24.57
2,3-DMC6	0.00	15.03	0.00	16.99	0.00	12.84	0.00	10.30
3-Et,2-MC5	18.06	219.70	6.82	231.22	18.27	203.56	17.79	166.43
2-MC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-MC7	0.00	70.54	0.00	73.63	0.00	65.26	0.00	53.15
3,4-DMC6	0.00	18.14	0.00	19.59	0.00	16.02	0.00	13.24
3-MC7	14.60	160.27	5.78	165.38	13.32	147.72	14.77	121.12
DMCyC6	39.19	236.48	14.97	246.80	32.20	212.88	41.42	181.08
DMCyC6	18.25	106.23	6.93	109.37	14.84	96.84	19.82	83.81
DMCyC6	12.51	68.01	4.87	72.96	10.05	59.76	0.00	49.78
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	13.95	96.02	6.15	114.18	11.13	79.90	0.00	56.05
? RI= 797	8.19	27.04	3.45	28.86	0.00	22.52	0.00	17.59
n-Octane	31.46	368.47	11.63	370.37	30.69	342.14	32.81	276.05
? RI= 806	9.63	70.20	3.96	75.63	7.77	61.10	0.00	50.81
? RI= 815	0.00	13.16	0.00	15.61	0.00	10.28	0.00	7.29
? RI= 820	0.00	11.49	0.00	11.98	0.00	10.00	0.00	8.21
? RI= 826	0.00	19.67	0.00	22.01	0.00	17.00	0.00	12.39
DMCyC6?	0.00	72.43	0.00	78.16	0.00	63.62	0.00	49.07
EtCyC6	30.92	143.50	10.56	146.95	21.61	128.54	31.12	105.56
unsp.Napht	9.66	65.31	3.96	74.02	0.00	54.60	0.00	42.95
? RI= 846	0.00	20.17	0.00	31.81	0.00	16.62	0.00	12.99
EtBenzene	21.64	44.78	8.37	52.28	16.10	34.64	20.52	25.90
? RI= 859	0.00	41.42	0.00	45.58	0.00	35.60	0.00	26.97
m+p-Xylene	80.60	149.41	30.53	158.93	61.63	125.66	80.48	98.39
4-+2-MC8?	9.05	47.19	3.17	48.49	0.00	41.98	0.00	29.33
? RI= 883	0.00	12.96	0.00	13.90	0.00	10.88	0.00	7.98
o-Xylene	22.98	25.65	8.70	27.38	16.21	20.22	22.30	15.17
? RI= 891	0.00	23.28	0.00	25.95	0.00	19.26	0.00	11.99
MC8+C4CyC6	0.00	22.65	0.00	23.80	0.00	19.74	0.00	12.78
C4CyC6?	0.00	14.38	0.00	15.70	0.00	12.30	0.00	0.00
n-Nonane	0.00	72.54	0.00	72.23	0.00	67.30	0.00	42.62
SUM:	109217.4	55874.9	82260.0	72676.7	123780.3	45505.8	99607.3	42613.9

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

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

IKU-ID	384101	384102	384111	384112	384121	384122	384131	384132
DEPTH	1050m H	1050m O	1060m H	1060m O	1070m H	1070m O	1080m H	1080m O
COMPOUND								
Methane	64747.34	1266.53	67022.74	1195.78	62615.74	1053.83	65936.03	876.06
Ethane	0.00	61.17	0.00	60.57	0.00	56.71	0.00	56.04
Ethane	16884.49	1243.64	18284.71	1162.52	19330.37	1170.71	20140.81	1171.46
Propene	0.00	22.19	0.00	21.12	0.00	20.89	0.00	20.01
Propane	24088.24	6932.61	26472.00	6963.14	27114.75	6600.82	27386.15	6307.73
i-Butane	3958.65	2830.03	4330.73	2891.84	4364.55	2545.03	4358.08	2291.42
? RI= 360	428.80	13.25	484.53	0.00	451.27	11.36	367.57	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	9010.73	8733.33	9728.25	8743.74	9684.33	7864.12	9445.88	7174.43
2,2-DMC3	57.37	82.50	60.75	80.64	59.94	64.60	59.87	58.42
i-Pentane	1851.63	3864.97	2010.29	3824.27	1930.55	3323.87	1906.22	2946.37
n-Pentane	1737.98	4773.25	1875.46	4594.03	1749.53	4016.03	1704.00	3513.80
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	38.86	137.82	43.04	135.41	38.77	115.05	38.39	98.90
CyC5	255.47	307.36	265.24	290.21	281.12	264.80	255.56	227.28
2,3-DMC4	71.62	267.25	79.24	262.62	70.89	227.07	69.13	193.05
2-MC5	336.38	1570.99	380.12	1533.24	321.68	1320.26	315.56	1107.16
3-MC5	205.70	887.12	229.53	858.89	197.71	747.01	191.69	626.04
n-Hexane	295.99	2088.60	319.60	1982.35	317.97	1706.91	295.22	1392.76
2,2-DMC5	0.00	50.86	0.00	49.36	0.00	42.00	0.00	35.14
MCyC5	503.53	1207.89	532.76	1141.78	529.57	1029.31	487.04	850.02
2,4-DMC5	17.31	106.21	19.04	102.28	0.00	88.02	14.55	70.50
TMC4	0.00	19.40	0.00	18.85	0.00	15.41	0.00	12.00
Benzene	251.86	131.30	300.36	114.83	394.61	125.93	333.04	108.30
3,3-DMC5	0.00	28.40	0.00	27.69	0.00	23.82	0.00	19.95
CyC6	591.98	1158.23	624.91	1118.94	680.04	1022.27	619.47	852.60
2-MC6	67.00	434.65	73.34	416.07	56.19	359.00	55.21	286.40
2,3-DMC5	30.81	172.42	33.23	165.20	26.41	146.14	25.67	118.02
1,1-DMC5	30.97	116.40	33.85	114.65	32.12	103.11	30.17	84.78
3-MC6	81.77	482.69	87.98	457.78	68.08	400.94	66.53	317.71
DMCyC5	55.94	227.05	60.20	214.78	53.17	193.82	50.18	153.58
DMCyC5	59.50	245.10	63.20	231.34	55.59	209.21	52.64	165.15
DMCyC5	98.67	390.31	103.40	363.04	90.83	331.18	86.01	260.69
n-Heptane	67.34	867.82	69.72	820.16	76.47	704.55	66.73	544.92
MCyC6	554.54	1762.93	571.89	1692.65	576.77	1534.86	536.69	1228.75
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	28.15	0.00	27.28	0.00	24.20	0.00	18.89
2,4-DMC6	39.90	145.83	40.11	133.91	34.34	122.60	32.50	93.96
TMCyC5	17.63	89.90	17.54	84.53	0.00	78.10	13.72	59.59
TMCyC5	17.83	94.64	17.97	86.68	0.00	82.20	13.62	61.57
TMCyC5	0.00	8.82	0.00	8.57	0.00	8.21	0.00	0.00
Toluene	252.04	235.05	309.85	205.05	365.35	210.29	296.65	163.41
TMCyC5	0.00	28.42	0.00	26.84	0.00	24.30	0.00	18.87
2,3-DMC6	0.00	11.49	0.00	10.76	0.00	9.93	0.00	7.46
3-Et, 2-MC5	30.16	201.29	29.74	193.44	23.56	171.90	23.51	131.38
2-MC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-MC7	10.72	64.77	0.00	62.27	0.00	54.56	0.00	41.41
3,4-DMC6	0.00	15.14	0.00	14.35	0.00	12.78	0.00	9.93
3-MC7	24.66	146.42	23.32	139.22	18.91	122.96	18.25	94.24
DMCyC6	52.54	210.97	49.50	202.28	46.78	185.77	44.62	143.97
DMCyC6	23.73	95.67	21.88	91.56	21.26	83.36	20.44	64.51
DMCyC6	15.06	55.66	13.92	52.52	0.00	47.88	12.99	36.77
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	14.90	59.77	12.98	53.66	0.00	50.91	0.00	36.99
? RI= 797	0.00	18.97	0.00	17.49	0.00	15.81	0.00	11.76
n-Octane	46.96	346.81	45.36	334.50	43.75	292.11	39.22	220.45
? RI= 806	12.54	57.23	0.00	54.85	0.00	50.67	0.00	37.62
? RI= 815	0.00	7.60	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 820	0.00	9.53	0.00	9.02	0.00	8.47	0.00	6.74
? RI= 826	0.00	14.57	0.00	13.66	0.00	12.62	0.00	9.34
DMCyC6?	0.00	58.11	0.00	55.56	0.00	50.43	0.00	16.14
EtCyC6	36.27	125.24	31.30	119.72	34.29	108.59	31.57	74.18
unsp. Napht	11.08	46.48	0.00	42.63	0.00	41.66	0.00	28.44
? RI= 846	0.00	14.36	0.00	13.40	0.00	12.70	0.00	7.63
EtBenzene	15.50	28.81	16.83	25.11	18.79	25.31	15.15	16.14
? RI= 859	0.00	31.68	0.00	29.70	0.00	27.93	0.00	19.67
m+p-Xylene	53.35	122.36	56.05	111.75	80.13	105.74	65.16	76.21
4-+2-MC8?	9.79	37.42	0.00	36.28	0.00	32.23	0.00	24.12
? RI= 883	0.00	9.84	0.00	8.27	0.00	7.91	0.00	0.00
o-Xylene	14.67	20.03	18.55	15.55	19.72	16.07	16.02	11.42
? RI= 891	0.00	16.73	0.00	12.57	0.00	12.08	0.00	9.02
MC8+C4CyC6	0.00	18.86	0.00	14.55	0.00	13.47	0.00	10.32
C4CyC6?	0.00	11.20	0.00	0.00	0.00	0.00	0.00	0.00
n-Nonane	0.00	67.58	0.00	62.01	0.00	51.90	0.00	38.75
SUM:	127079.8	45039.7	134865.0	44019.3	131875.9	39614.3	135537.5	34770.3

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

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

IKU-ID DEPTH	384141 1090m H	384142 1090m O	384151 1100m H	384152 1100m O	384161 1110m H	384162 1110m O	384171 1120m H	384172 1120m O
COMPOUND								
Methane	48510.56	1419.34	36375.34	973.16	41213.00	851.09	34406.61	885.22
Ethane	0.00	136.49	0.00	55.56	0.00	48.47	0.00	49.40
Ethane	13937.81	1417.79	12436.48	1208.40	13250.47	1351.86	13001.94	963.71
Propene	0.00	77.94	0.00	19.90	0.00	17.98	0.00	18.29
Propane	17072.88	6557.33	14371.96	5638.64	15274.13	6122.44	19622.17	5308.80
i-Butane	2362.81	2187.61	1879.01	1774.78	2079.49	1895.29	3309.35	2009.12
? RI= 360	422.09	12.01	267.81	0.00	228.33	0.00	375.34	14.06
Butene	0.00	41.11	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	5397.80	6591.65	4461.23	5633.44	4641.94	5896.09	7377.64	6322.02
2,2-DMC3	26.18	48.01	21.22	38.50	23.94	39.61	42.12	46.13
i-Pentane	1016.75	2684.15	866.84	2249.56	902.22	2320.60	1647.03	2926.39
n-Pentane	889.18	3099.06	767.80	2639.20	765.92	2644.41	1402.10	3355.98
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	18.29	83.61	16.00	68.40	16.06	68.34	31.01	93.35
CyC5	164.15	201.07	143.07	175.92	133.10	170.89	196.64	201.57
2,3-DMC4	36.79	170.73	32.44	142.10	31.89	141.29	59.78	202.81
2-MC5	158.46	988.30	141.88	831.68	141.40	825.03	275.57	1219.60
3-MC5	102.07	560.49	91.19	471.50	88.92	464.25	168.91	678.74
n-Hexane	135.88	1180.63	108.39	980.36	113.38	941.17	240.63	1399.04
2,2-DMC5	0.00	30.41	0.00	24.56	0.00	24.13	0.00	40.43
MCyC5	297.35	746.41	263.31	638.86	239.71	602.35	396.24	813.10
2,4-DMC5	0.00	61.69	0.00	50.52	0.00	49.18	11.87	84.72
TMC4	0.00	9.93	0.00	8.08	0.00	7.66	0.00	12.80
Benzene	203.83	106.98	192.71	107.26	182.31	102.27	191.28	105.58
3,3-DMC5	0.00	17.54	0.00	13.84	0.00	13.86	0.00	22.00
CyC6	389.02	752.53	343.16	647.42	309.76	603.26	482.84	800.65
2-MC6	26.78	253.13	23.78	206.16	23.05	197.59	43.20	339.51
2,3-DMC5	13.84	106.96	12.50	89.68	11.77	85.14	21.51	139.37
1,1-DMC5	18.92	79.02	17.86	69.20	16.53	67.28	30.17	104.65
3-MC6	34.28	283.01	30.56	233.04	28.62	221.50	51.69	373.81
DMCyC5	29.35	140.42	27.00	120.34	24.54	112.29	43.18	171.66
DMCyC5	30.82	151.43	28.05	129.84	25.79	120.76	45.10	186.97
DMCyC5	50.08	236.88	45.96	203.58	41.78	186.78	71.45	281.24
n-Heptane	27.54	464.61	18.48	366.52	22.99	343.11	54.03	592.97
MCyC6	318.19	1101.21	286.94	930.48	258.39	862.19	421.18	1311.79
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	17.85	0.00	13.98	0.00	13.20	0.00	27.32
2,4-DMC6	18.03	84.93	15.06	69.42	13.92	61.54	22.65	103.59
TMCyC5	0.00	56.52	0.00	48.08	0.00	43.81	10.54	76.68
TMCyC5	0.00	58.53	0.00	51.24	0.00	44.87	10.16	73.20
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.50
Toluene	173.19	144.11	143.93	135.32	136.92	119.04	158.84	154.59
TMCyC5	0.00	17.62	0.00	13.84	0.00	12.88	0.00	24.73
2,3-DMC6	0.00	6.89	0.00	0.00	0.00	0.00	0.00	9.22
3-Et, 2-MC5	11.43	122.65	0.00	95.84	9.44	88.72	17.94	172.99
2-MC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-MC7	0.00	37.85	0.00	28.24	0.00	26.18	0.00	52.72
3,4-DMC6	0.00	9.33	0.00	0.00	0.00	0.00	0.00	13.15
3-MC7	9.51	86.27	0.00	64.44	0.00	59.41	11.60	119.71
DMCyC6	25.63	133.95	22.87	110.46	20.95	101.38	32.10	173.81
DMCyC6	11.71	60.18	10.51	47.84	9.60	44.08	15.25	79.96
DMCyC6	0.00	33.99	0.00	29.16	0.00	26.27	9.72	43.98
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.00	33.76	0.00	28.90	0.00	24.07	0.00	39.36
? RI= 797	0.00	10.67	0.00	9.20	0.00	7.98	0.00	12.32
n-Octane	20.26	198.60	16.00	153.02	16.06	139.41	28.42	253.79
? RI= 806	0.00	35.56	0.00	23.20	0.00	21.17	0.00	47.12
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 820	0.00	6.68	0.00	0.00	0.00	0.00	0.00	9.13
? RI= 826	0.00	9.12	0.00	6.96	0.00	0.00	0.00	12.26
DMCyC6?	0.00	37.49	0.00	28.98	0.00	25.87	0.00	51.48
EtCyC6	18.11	78.16	14.55	62.74	13.63	56.82	20.87	99.86
unsp. Napht	0.00	31.69	0.00	26.62	0.00	23.28	0.00	42.65
? RI= 846	0.00	9.54	0.00	7.80	0.00	6.79	0.00	12.41
EtBenzene	0.00	16.47	0.00	14.04	0.00	11.45	0.00	18.42
? RI= 859	0.00	21.14	0.00	16.62	0.00	14.65	0.00	28.05
m+p-Xylene	28.85	68.67	26.94	54.96	22.18	46.67	25.98	84.00
4-+2-MC8?	0.00	23.13	0.00	17.22	0.00	15.43	0.00	30.78
? RI= 883	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.04
o-Xylene	0.00	9.45	0.00	8.42	0.00	6.92	0.00	12.16
? RI= 891	0.00	8.63	0.00	0.00	0.00	0.00	0.00	12.84
MC8+C4CyC6	0.00	9.79	0.00	7.88	0.00	7.02	0.00	15.52
C4CyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.13
n-Nonane	0.00	35.33	0.00	23.76	0.00	20.76	0.00	45.16
SUM:	92008.4	33514.0	73520.8	27938.7	80332.2	28467.8	84384.6	33055.1

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

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

IKU-ID DEPTH	384181 1130m H	384182 1130m O	384191 1140m H	384192 1140m O	384201 1150m H	384202 1150m O	384211 1160m H	384212 1160m O
COMPOUND								
Methane	42946.26	1188.00	48666.30	1353.01	67474.88	886.34	17460.90	1372.22
Ethene	0.00	73.62	0.00	86.97	0.00	73.64	0.00	0.00
Ethane	17212.43	1596.44	20546.64	1737.87	24347.71	722.42	5954.33	570.15
Propene	0.00	28.03	0.00	32.89	0.00	31.26	0.00	0.00
Propane	23306.79	7633.89	31479.52	9349.78	40757.54	5907.98	8337.29	916.90
i-Butane	3665.91	2552.53	5394.46	3580.75	6829.10	2811.72	1282.00	158.06
? RI= 360	443.42	15.14	393.22	33.87	1769.99	21.51	0.00	0.00
Butene	0.00	0.00	0.00	12.87	0.00	13.30	0.00	0.00
n-Butane	8856.32	7934.94	11757.18	11173.28	16298.43	8976.68	3027.71	352.11
2,2-DMC3	44.35	54.74	75.31	89.42	74.62	70.92	0.00	0.00
i-Pentane	2016.86	3339.76	2696.43	5246.61	3631.05	4756.61	627.86	83.35
n-Pentane	1841.49	3797.32	2239.97	6017.23	3232.24	5541.21	692.90	73.88
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	40.46	106.33	54.43	182.19	67.33	167.26	0.00	0.00
CyC5	284.67	248.06	231.64	365.05	539.59	299.56	76.62	10.16
2,3-DMC4	83.81	226.15	104.93	394.17	146.88	367.41	23.48	0.00
2-MC5	392.65	1340.35	491.26	2449.01	687.88	2296.04	114.38	17.34
3-MC5	246.30	746.28	292.95	1333.49	428.19	1254.93	69.62	10.30
n-Hexane	346.45	1507.16	381.20	2755.22	623.60	2586.51	244.52	16.87
2,2-DMC5	0.00	42.39	10.76	88.27	0.00	83.39	0.00	0.00
MCyC5	605.02	927.90	530.50	1489.12	1086.58	1359.20	147.67	22.72
2,4-DMC5	18.22	87.61	23.17	188.96	0.00	177.65	0.00	0.00
TMC4	0.00	12.42	0.00	27.04	0.00	25.94	0.00	0.00
Benzene	362.86	138.58	122.24	160.80	794.46	133.61	62.95	10.16
3,3-DMC5	0.00	23.49	7.16	45.55	0.00	44.56	0.00	0.00
CyC6	747.68	920.45	575.32	1456.94	1420.06	1317.03	169.57	28.22
2-MC6	69.60	354.53	79.30	750.24	141.71	710.26	18.90	0.00
2,3-DMC5	34.88	149.11	39.06	296.21	68.51	284.23	0.00	0.00
1,1-DMC5	48.77	115.25	50.58	215.57	95.41	209.50	0.00	0.00
3-MC6	85.78	394.07	95.15	815.57	173.56	775.19	21.57	0.00
DMCyC5	71.17	186.53	67.87	339.09	132.78	326.00	16.14	0.00
DMCyC5	74.78	203.29	71.70	374.74	140.30	360.14	17.05	0.00
DMCyC5	118.33	308.77	108.68	544.25	215.86	519.97	26.05	0.00
n-Heptane	80.12	603.65	75.63	1258.79	155.93	1190.90	20.90	0.00
MCyC6	713.88	1402.18	580.96	2496.34	1357.43	2140.51	143.57	29.56
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	28.73	0.00	71.18	0.00	67.87	0.00	0.00
2,4-DMC6	39.54	111.17	30.86	221.28	81.67	207.27	0.00	0.00
TMCyC5	19.27	82.96	19.88	174.97	44.30	169.91	0.00	0.00
TMCyC5	18.54	81.94	17.08	156.80	0.00	151.66	0.00	0.00
TMCyC5	0.00	0.00	0.00	14.61	0.00	13.73	0.00	0.00
Toluene	297.68	163.26	112.34	235.93	827.01	220.43	35.10	8.53
TMCyC5	0.00	26.10	5.64	58.31	0.00	56.37	0.00	0.00
2,3-DMC6	0.00	9.97	0.00	20.37	0.00	19.14	0.00	0.00
3-Et,2-MC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MC7	32.83	180.54	31.71	414.42	73.68	400.99	0.00	0.00
4-MC7	0.00	54.83	9.56	125.14	0.00	119.27	0.00	0.00
3,4-DMC6	0.00	13.90	0.00	31.63	0.00	30.69	0.00	0.00
3-MC7	22.24	123.14	22.49	278.58	56.87	269.30	0.00	0.00
DMCyC6	60.65	182.57	51.40	359.43	136.89	352.41	0.00	0.00
DMCyC6	28.94	84.33	25.06	166.51	72.74	163.28	0.00	0.00
DMCyC6	18.54	46.73	15.54	90.83	0.00	87.91	0.00	0.00
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.00	43.47	10.37	79.66	0.00	75.58	0.00	0.00
? RI= 797	0.00	13.30	5.16	23.29	0.00	21.82	0.00	0.00
n-Octane	51.94	257.63	40.58	534.01	108.58	519.64	0.00	0.00
? RI= 806	14.85	50.51	12.53	100.41	0.00	97.95	0.00	0.00
? RI= 815	0.00	0.00	0.00	13.92	0.00	13.46	0.00	0.00
? RI= 820	0.00	9.97	0.00	22.24	0.00	21.35	0.00	0.00
? RI= 826	0.00	13.19	0.00	32.91	0.00	29.94	0.00	0.00
DMCyC6?	0.00	56.18	12.60	132.85	0.00	125.63	0.00	0.00
EtCyC6	41.99	106.54	31.33	216.89	102.35	207.89	0.00	0.00
unsp. Napht	0.00	48.62	11.68	103.43	0.00	100.34	0.00	0.00
? RI= 846	0.00	14.06	0.00	42.17	0.00	39.05	0.00	0.00
EtBenzene	16.02	20.11	7.35	35.77	52.64	33.08	0.00	0.00
? RI= 859	0.00	31.03	5.91	67.29	0.00	65.69	0.00	0.00
m+p-Xylene	56.12	86.00	26.37	170.79	228.31	168.23	0.00	0.00
4-+2-MC8?	0.00	33.03	7.43	74.40	0.00	73.15	0.00	0.00
? RI= 883	0.00	0.00	0.00	17.44	0.00	17.20	0.00	0.00
o-Xylene	18.38	10.53	7.16	19.38	63.57	18.62	0.00	0.00
? RI= 891	0.00	11.79	0.00	28.85	0.00	28.28	0.00	0.00
MC8+C4CyC6	0.00	14.06	0.00	35.22	0.00	34.90	0.00	0.00
C4CyC6?	0.00	0.00	0.00	21.58	0.00	21.08	0.00	0.00
n-Nonane	0.00	41.51	0.00	93.60	0.00	93.80	0.00	0.00
SUM:	105496.8	40310.7	127763.5	61027.3	174540.2	50580.3	38591.1	3680.5

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

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

IKU-ID DEPTH	384221 1170m H	384222 1170m O	384231 1180m H	384232 1180m O	384241 1190m H	384242 1190m O	384251 1200m H	384252 1200m O
COMPOUND								
Methane	36268.03	1118.89	27119.05	887.91	21701.77	478.66	21918.36	898.51
Ethene	0.00	68.55	0.00	63.99	0.00	34.99	0.00	76.19
Ethane	11251.10	1335.68	8597.28	858.61	7426.71	472.19	8428.71	752.34
Propene	0.00	27.97	0.00	26.97	0.00	13.80	0.00	31.82
Propane	14487.20	7474.51	11537.38	5208.24	11656.94	2643.93	15991.88	4983.32
i-Butane	2006.57	2731.58	1650.43	1896.89	2014.30	974.89	3037.52	2055.22
? RI= 360	595.34	21.69	0.00	0.00	0.00	0.00	55.10	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.20
n-Butane	4504.77	8229.42	3606.47	5758.91	4461.35	3083.64	7172.02	6779.40
2,2-DMC3	18.02	47.59	0.00	31.58	18.85	17.61	30.07	40.04
i-Pentane	938.50	3575.27	716.98	2405.99	996.36	1415.39	1728.24	3275.62
n-Pentane	806.84	3828.38	606.39	2602.07	820.76	1572.00	1539.10	3837.22
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	17.09	98.88	12.65	64.67	17.13	42.70	31.62	104.24
CyC5	127.70	227.65	105.16	149.03	125.65	93.04	200.29	209.08
2,3-DMC4	38.28	224.13	28.13	144.11	36.49	99.70	70.10	244.83
2-MC5	183.72	1328.49	127.15	840.74	157.67	587.79	316.02	1483.56
3-MC5	112.77	729.11	80.02	462.42	99.63	325.79	198.17	810.94
n-Hexane	158.20	1382.19	97.47	880.07	137.00	624.46	292.95	1617.19
2,2-DMC5	0.00	39.49	0.00	24.61	0.00	20.34	0.00	54.48
MCyC5	254.30	826.48	197.95	524.26	241.01	359.90	421.17	835.98
2,4-DMC5	9.87	81.03	0.00	49.72	0.00	40.56	13.83	108.16
TMC4	0.00	10.34	0.00	0.00	0.00	5.33	0.00	14.75
Benzene	145.53	104.54	130.86	51.08	116.53	43.10	155.10	82.73
3,3-DMC5	0.00	20.53	0.00	12.84	0.00	10.76	0.00	28.92
CyC6	319.96	822.89	270.00	548.43	343.56	409.17	629.26	1000.94
2-MC6	39.30	308.92	22.57	186.73	23.20	157.47	47.88	410.43
2,3-DMC5	19.10	133.52	12.16	82.00	12.69	68.90	26.29	176.40
1,1-DMC5	23.59	111.14	16.72	66.65	20.12	52.03	38.43	126.44
3-MC6	47.64	340.59	29.07	204.75	28.34	172.73	58.50	446.21
DMCyC5	33.92	165.38	23.70	98.30	25.38	76.54	47.74	181.81
DMCyC5	36.15	178.48	25.17	106.57	26.72	84.43	50.62	202.25
DMCyC5	56.21	265.07	39.54	159.51	41.82	124.57	77.74	290.14
n-Heptane	41.13	494.27	18.72	293.72	31.28	257.97	69.12	688.41
MCyC6	332.86	1092.37	252.94	690.37	285.60	643.63	572.12	1608.14
TMCyC5	0.00	115.10	0.00	68.37	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	22.90	0.00	13.33	0.00	13.14	0.00	36.72
2,4-DMC6	21.05	84.43	13.57	49.34	12.46	44.76	23.95	114.64
TMCyC5	12.22	68.52	0.00	38.91	0.00	35.77	11.86	87.94
TMCyC5	11.51	64.56	0.00	36.76	0.00	32.70	10.67	75.14
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.67
Toluene	119.24	122.64	106.91	52.97	96.90	55.43	141.31	123.12
TMCyC5	0.00	19.82	0.00	11.21	0.00	11.83	0.00	31.29
2,3-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.67
3-Et,2-MC5	20.28	0.00	0.00	77.53	0.00	78.89	0.00	0.00
2-MC7	0.00	136.55	9.77	0.00	9.81	0.00	19.90	209.08
4-MC7	0.00	38.93	0.00	21.71	0.00	23.14	0.00	62.49
3,4-DMC6	0.00	8.89	0.00	0.00	0.00	6.21	0.00	16.77
3-MC7	15.56	86.86	0.00	48.80	0.00	52.37	12.83	138.71
DMCyC6	36.32	141.89	23.04	81.60	19.99	78.86	39.69	194.12
DMCyC6	16.72	61.21	10.72	34.81	9.46	35.74	19.19	90.05
DMCyC6	9.87	35.06	0.00	20.23	0.00	19.39	12.60	48.34
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.02
DMCyC6	0.00	27.99	0.00	15.52	0.00	14.54	0.00	25.62
? RI= 797	0.00	8.45	0.00	0.00	0.00	0.00	0.00	10.30
n-Octane	29.79	184.27	15.26	103.06	18.00	107.31	36.17	283.67
? RI= 806	0.00	27.77	0.00	15.64	0.00	15.27	10.14	50.26
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.73
? RI= 820	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.95
? RI= 826	0.00	8.79	0.00	0.00	0.00	5.29	0.00	14.40
DMCyC6?	0.00	37.15	0.00	20.32	0.00	21.73	0.00	60.27
EtCyC6	24.56	73.00	14.98	39.73	13.52	42.24	26.74	110.74
unsp.Napht	0.00	32.40	0.00	17.22	0.00	18.80	0.00	48.97
? RI= 846	0.00	9.13	0.00	0.00	0.00	4.94	0.00	13.26
EtBenzene	0.00	12.34	0.00	0.00	0.00	5.69	0.00	15.01
? RI= 859	0.00	19.72	0.00	10.15	0.00	11.31	0.00	30.28
m+p-Xylene	29.65	53.70	25.47	23.95	18.59	30.27	29.05	82.65
4-+2-MC8?	0.00	19.75	0.00	9.91	0.00	12.21	0.00	33.86
? RI= 883	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.54
o-Xylene	0.00	0.00	0.00	0.00	0.00	0.00	8.88	10.14
? RI= 891	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.00
MC8+C4CyC6	0.00	8.35	0.00	0.00	0.00	5.14	0.00	15.03
C4CyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.75
n-Nonane	0.00	22.85	0.00	11.82	0.00	15.59	0.00	47.09
SUM:	73220.5	38998.0	55543.7	26204.6	51065.6	15806.6	63620.9	35619.2

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

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

IKU-ID DEPTH	384261 1210m H	384262 1210m O	384271 1220m H	384272 1220m O	384281 1230m H	384282 1230m O	384291 1240m H	384292 1240m O
COMPOUND								
Methane	25476.18	922.97	44738.54	1910.04	31053.95	1995.66	51270.98	4645.96
Ethene	0.00	65.98	0.00	62.61	0.00	55.36	0.00	80.06
Ethane	8530.53	993.01	11352.69	2205.92	7258.83	1939.51	12209.01	8941.80
Propene	0.00	25.75	0.00	21.43	0.00	17.20	0.00	24.09
Propane	12912.04	5545.31	9240.74	6772.93	6409.78	5449.73	7761.63	20559.91
i-Butane	2083.99	2026.07	1101.59	1850.66	731.28	1254.19	602.42	3306.82
? RI= 360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	4869.22	6481.60	2612.22	6269.96	1762.91	4443.55	1444.61	9427.81
2,2-DMC3	18.90	37.19	9.83	34.03	5.39	16.77	0.00	22.94
i-Pentane	1033.96	2827.09	464.03	2373.51	295.77	1410.13	168.88	1701.67
n-Pentane	896.61	3182.77	400.53	2864.44	258.26	1725.94	144.95	1593.48
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC47	17.50	84.99	7.42	69.26	4.18	32.44	0.00	20.49
CyC5	143.33	184.43	79.60	222.79	42.87	130.85	30.71	119.45
2,3-DMC4	38.55	192.43	16.43	161.12	10.00	84.73	0.00	51.61
2-MC3	166.65	1120.17	69.73	948.99	44.24	504.87	20.43	268.15
3-MC5	105.30	618.29	44.52	542.64	28.29	291.47	12.91	154.08
n-Hexane	151.37	1189.00	59.39	1094.76	32.36	531.83	15.25	215.24
2,2-DMC5	0.00	40.09	0.00	31.82	0.00	14.05	0.00	0.00
MCyC5	260.44	678.90	121.76	747.00	66.86	386.78	33.80	198.19
2,4-DMC5	0.00	78.24	0.00	67.61	0.00	30.21	0.00	9.22
TMC4	0.00	10.80	0.00	9.62	0.00	0.00	0.00	0.00
Benzene	175.49	78.49	137.88	142.13	47.82	87.04	57.54	84.31
3,3-DMC5	0.00	20.97	0.00	16.75	0.00	7.70	0.00	0.00
CyC6	413.80	818.06	193.12	865.69	116.09	540.45	68.79	322.61
2-MC6	25.66	298.38	11.17	268.50	6.03	113.14	0.00	27.98
2,3-DMC5	13.88	130.28	6.08	122.51	3.49	56.73	0.00	16.40
1,1-DMC5	22.21	93.96	8.47	84.43	4.69	41.98	0.00	15.52
3-MC6	31.65	326.16	13.79	307.61	7.45	130.65	0.00	32.49
DMCyC5	26.39	137.26	11.41	144.45	6.22	66.22	0.00	20.78
DMCyC5	27.90	152.80	12.14	161.83	6.64	73.92	0.00	22.56
DMCyC5	43.37	224.72	19.54	259.37	10.71	116.11	0.00	35.19
n-Heptane	35.56	492.25	14.16	471.88	6.39	184.92	0.00	40.72
MCyC6	332.87	1221.55	140.62	1175.08	79.41	647.12	38.55	230.09
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	26.95	0.00	22.52	0.00	8.37	0.00	0.00
2,4-DMC6	13.86	87.87	6.82	100.35	3.33	40.85	0.00	10.37
TMCyC5	0.00	66.33	0.00	69.86	0.00	29.60	0.00	0.00
TMCyC5	0.00	59.17	0.00	75.00	0.00	32.32	0.00	0.00
TMCyC5	0.00	0.00	0.00	6.73	0.00	0.00	0.00	0.00
Toluene	132.31	99.06	87.12	153.47	27.63	77.11	24.28	37.03
TMCyC5	0.00	23.62	0.00	22.05	0.00	8.97	0.00	0.00
2,3-DMC6	0.00	7.59	0.00	8.57	0.00	0.00	0.00	0.00
3-Et, 2-MC5	0.00	0.00	0.00	0.00	0.00	56.24	0.00	9.43
2-MC7	11.94	156.27	5.38	142.13	0.00	0.00	0.00	0.00
4-MC7	0.00	46.47	0.00	43.91	0.00	15.30	0.00	0.00
3,4-DMC6	0.00	12.70	0.00	12.04	0.00	0.00	0.00	0.00
3-MC7	0.00	104.30	0.00	98.06	0.00	35.58	0.00	0.00
DMCyC6	22.78	148.15	10.28	146.59	5.13	66.20	0.00	14.98
DMCyC6	10.76	67.24	4.87	66.06	0.00	29.84	0.00	0.00
DMCyC6	0.00	37.06	0.00	38.87	0.00	18.04	0.00	0.00
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.00	27.85	0.00	42.64	0.00	16.04	0.00	0.00
? RI= 797	0.00	8.42	0.00	11.06	0.00	0.00	0.00	0.00
n-Octane	21.51	212.06	9.48	202.22	4.52	84.95	0.00	16.78
? RI= 806	0.00	38.74	0.00	39.53	0.00	13.67	0.00	0.00
? RI= 815	0.00	0.00	0.00	6.45	0.00	0.00	0.00	0.00
? RI= 820	0.00	8.69	0.00	7.88	0.00	0.00	0.00	0.00
? RI= 826	0.00	11.04	0.00	11.08	0.00	0.00	0.00	0.00
DMCyC6?	0.00	45.97	0.00	43.13	0.00	18.00	0.00	0.00
EtCyC6	15.64	84.59	7.22	83.03	3.55	41.24	0.00	8.96
unsp. Napht	0.00	38.74	0.00	41.14	0.00	17.75	0.00	0.00
? RI= 846	0.00	10.52	0.00	11.74	0.00	0.00	0.00	0.00
EtBenzene	0.00	11.92	0.00	18.60	0.00	0.00	0.00	0.00
? RI= 859	0.00	23.72	0.00	23.74	0.00	9.80	0.00	0.00
m+p-Xylene	22.64	61.46	13.56	65.53	4.09	27.74	0.00	0.00
4-+2-MC8?	0.00	25.67	0.00	22.65	0.00	9.48	0.00	0.00
? RI= 883	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene	0.00	7.68	0.00	9.11	0.00	0.00	0.00	0.00
? RI= 891	0.00	9.54	0.00	9.36	0.00	0.00	0.00	0.00
MC8+C4CyC6	0.00	12.14	0.00	9.66	0.00	0.00	0.00	0.00
C4CyC6?	0.00	6.94	0.00	0.00	0.00	0.00	0.00	0.00
n-Nonane	0.00	35.64	0.00	27.36	0.00	11.17	0.00	0.00
SUM:	58104.8	31924.1	71032.1	33975.4	48348.1	23049.5	73904.7	52287.1

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS (microliters gas per kg dry sediment)								
IKU-ID DEPTH	384301 1250m H	384302 1250m O	384311 1260m H	384312 1260m O	384321 1270m H	384322 1270m O	384331 1280m H	384332 1280m O
COMPOUND								
Methane	62820.59	2985.79	69472.97	3902.73	59514.08	3654.88	43070.82	3324.27
Ethane	0.00	72.22	0.00	78.14	0.00	53.25	0.00	58.52
Ethane	19613.06	7488.40	14532.00	6439.51	12755.51	8016.58	12086.41	7304.52
Propene	0.00	25.08	0.00	26.13	0.00	13.62	0.00	17.95
Propane	14299.88	19881.97	8459.63	14962.66	6997.24	15502.85	7832.20	16652.28
i-Butane	1189.47	3284.93	619.52	2486.76	472.71	2004.97	615.40	2626.21
? RI= 360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	2835.34	9709.63	1556.29	8045.19	1253.70	6168.64	1546.77	7988.97
2,2-DMC3	0.00	25.16	0.00	24.24	0.00	13.74	0.00	22.48
i-Pentane	331.25	1824.81	189.46	1670.53	147.28	936.41	187.69	1413.05
n-Pentane	275.97	1740.06	168.52	1703.27	135.63	857.72	166.41	1340.65
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	0.00	22.49	0.00	23.07	0.00	8.85	0.00	15.35
CyC5	51.24	126.46	40.27	130.99	28.87	76.02	30.04	100.18
2,3-DMC4	7.76	55.78	0.00	59.38	0.00	22.49	0.00	37.66
2-MC5	32.55	298.26	26.34	338.48	21.47	120.29	25.53	219.13
3-MC5	21.40	171.42	16.86	194.91	13.61	70.10	15.64	122.90
n-Hexane	23.84	240.97	19.55	290.32	15.77	94.34	17.53	174.57
2,2-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MCyC5	56.96	220.06	47.82	255.37	33.72	107.27	32.69	154.12
2,4-DMC5	0.00	10.11	0.00	13.46	0.00	0.00	0.00	0.00
TMC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	66.35	86.07	78.24	92.67	50.26	61.93	44.72	73.38
3,3-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	113.47	355.79	94.66	405.75	67.02	183.22	66.07	255.61
2-MC6	0.00	31.92	0.00	46.46	0.00	10.28	0.00	21.10
2,3-DMC5	0.00	18.41	0.00	24.74	0.00	0.00	0.00	11.67
1,1-DMC5	0.00	17.08	0.00	20.95	0.00	0.00	0.00	10.38
3-MC6	0.00	37.14	0.00	53.41	0.00	11.93	0.00	24.17
DMCyC5	0.00	23.80	0.00	31.21	0.00	9.13	0.00	15.11
DMCyC5	0.00	25.74	0.00	34.10	0.00	9.62	0.00	16.40
DMCyC5	0.00	40.47	7.69	52.70	0.00	14.83	0.00	24.28
n-Heptane	0.00	45.69	0.00	68.12	0.00	14.67	0.00	29.17
MCyC6	56.91	256.53	59.49	330.47	42.99	105.22	37.26	163.10
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6	0.00	11.76	0.00	17.71	0.00	0.00	0.00	0.00
TMCyC5	0.00	0.00	0.00	10.53	0.00	0.00	0.00	0.00
TMCyC5	0.00	0.00	0.00	9.22	0.00	0.00	0.00	0.00
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	25.88	38.95	35.13	48.00	18.43	25.12	18.15	33.53
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-Et,2-MC5	0.00	10.45	0.00	18.48	0.00	0.00	0.00	0.00
2-MC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-MC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MC7	0.00	0.00	0.00	10.82	0.00	0.00	0.00	0.00
DMCyC6	0.00	16.93	0.00	26.09	0.00	0.00	0.00	8.86
DMCyC6	0.00	7.78	0.00	11.51	0.00	0.00	0.00	0.00
DMCyC6	0.00	0.00	0.00	6.93	0.00	0.00	0.00	0.00
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	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	18.64	0.00	29.54	0.00	0.00	0.00	10.38
? RI= 806	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 820	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 826	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EtCyC6	0.00	9.90	0.00	15.23	0.00	0.00	0.00	0.00
unsp. Napht	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 846	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EtBenzene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 859	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
m+p-Xylene	0.00	0.00	0.00	7.18	0.00	0.00	0.00	0.00
4+2-MC8?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 883	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 891	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MC8+C4CyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C4CyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Nonane	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUM:	101821.9	49236.3	95424.4	42017.0	81568.3	38168.0	65793.3	42269.9

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

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

IKU-ID	384341	384342	384351	384352	384361	384362	384371	384372
DEPTH	1290m H	1290m O	1300m H	1300m O	1310m H	1310m O	1320m H	1320m O
COMPOUND								
Methane	61290.81	4151.98	37146.46	4894.24	57698.94	9812.98	27954.53	5084.62
Ethene	0.00	51.90	0.00	60.56	0.00	73.61	0.00	56.74
Ethane	15544.22	8264.36	8522.85	9603.75	11742.53	18740.21	9395.74	1251.16
Propene	0.00	13.29	0.00	15.00	0.00	0.00	0.00	13.85
Propane	9508.74	16736.11	4602.89	17119.31	4548.18	22850.45	12589.52	4882.97
i-Butane	761.22	2463.08	343.33	2421.68	269.98	2368.70	2345.57	1660.06
? RI= 360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	1741.51	7279.69	837.71	7482.94	717.87	7074.17	6668.07	7205.24
2,2-DMC3	4.98	21.94	0.00	21.89	0.00	16.08	29.92	31.25
i-Pentane	194.87	1209.99	83.23	1123.49	63.16	800.08	1516.09	2735.62
n-Pentane	161.59	1125.58	74.63	1116.00	59.33	768.96	1683.51	3967.27
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	0.00	13.68	0.00	14.74	0.00	7.77	19.94	55.47
CyC5	24.42	85.31	14.25	103.99	15.39	101.46	180.36	286.03
2,3-DMC4	4.30	32.06	2.00	30.82	0.00	16.11	47.34	148.75
2-MC5	21.66	184.73	9.42	162.72	5.85	78.96	315.46	1203.02
3-MC5	12.81	102.82	5.71	92.51	3.84	49.02	194.75	715.80
n-Hexane	15.54	145.68	7.50	139.54	5.11	70.94	347.34	1510.07
2,2-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	4.40	26.27
MCyC5	23.65	121.83	11.86	127.13	12.15	103.98	389.56	994.28
2,4-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	13.08	70.65
TMC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.07
Benzene	28.04	58.50	14.63	71.43	17.89	79.03	80.14	99.67
3,3-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.02
CyC6	46.96	202.89	22.49	203.59	18.20	129.03	393.91	960.47
2-MC6	0.00	17.03	0.00	17.33	0.00	6.54	50.20	321.62
2,3-DMC5	0.00	9.29	0.00	9.02	0.00	0.00	24.81	145.72
1,1-DMC5	0.00	8.40	0.00	8.56	0.00	0.00	24.24	94.54
3-MC6	0.00	19.17	0.00	19.27	0.00	7.79	64.08	392.57
DMCyC5	0.00	11.84	0.00	11.27	0.00	6.65	46.02	189.00
DMCyC5	0.00	12.82	0.00	12.06	0.00	6.91	49.85	214.97
DMCyC5	2.86	18.80	0.00	18.38	0.00	11.91	82.86	341.44
n-Heptane	0.00	23.05	0.00	24.37	0.00	9.59	86.30	604.92
MCyC6	22.53	127.95	10.97	128.20	8.06	63.85	315.45	1102.26
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	122.87
2,5-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.85
2,4-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	24.90	107.24
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	11.94	78.52
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	13.17	75.57
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.63
Toluene	10.49	25.11	5.37	29.16	5.59	25.94	64.94	123.70
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	3.12	23.03
2,3-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.41
3-Et, 2-MC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MC7	0.00	0.00	0.00	0.00	0.00	0.00	24.01	184.21
4-MC7	0.00	0.00	0.00	0.00	0.00	0.00	6.41	51.37
3,4-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.94
3-MC7	0.00	0.00	0.00	0.00	0.00	0.00	14.94	116.63
DMCyC6	0.00	6.72	0.00	7.63	0.00	0.00	25.07	142.25
DMCyC6	0.00	0.00	0.00	0.00	0.00	0.00	11.07	61.68
DMCyC6	0.00	0.00	0.00	0.00	0.00	0.00	7.54	37.63
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.00	0.00	0.00	0.00	0.00	0.00	9.25	49.58
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.60
n-Octane	0.00	7.71	0.00	8.52	0.00	0.00	33.64	238.78
? RI= 806	0.00	0.00	0.00	0.00	0.00	0.00	5.73	38.03
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 820	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.28
? RI= 826	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.12
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	4.10	56.34
EtCyC6	0.00	0.00	0.00	0.00	0.00	0.00	18.04	92.74
unsp. Napht	0.00	0.00	0.00	0.00	0.00	0.00	6.89	46.14
? RI= 846	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.34
EtBenzene	0.00	0.00	0.00	0.00	0.00	0.00	4.68	17.22
? RI= 859	0.00	0.00	0.00	0.00	0.00	0.00	3.51	25.93
m+p-Xylene	0.00	0.00	0.00	0.00	0.00	0.00	15.77	59.77
4-+2-MC8?	0.00	0.00	0.00	0.00	0.00	0.00	5.19	28.82
? RI= 883	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.41
o-Xylene	0.00	0.00	0.00	0.00	0.00	0.00	3.20	6.69
? RI= 891	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.99
MC8+C4CyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.70
C4CyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Nonane	0.00	0.00	0.00	0.00	0.00	0.00	4.04	33.34
SUM:	89421.2	42553.3	51715.3	45099.1	75192.1	63280.7	65234.2	38336.8

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS (microliters gas per kg dry sediment)								
IKU-ID DEPTH	384381 1330m H	384382 1330m O	384391 1340m H	384392 1340m O	384401 1450m H	384402 1350m O	384411 1360m H	384412 1360m O
COMPOUND								
Methane	25009.34	2419.02	46625.39	2558.30	31185.01	2968.17	40782.48	6528.13
Ethene	0.00	54.34	0.00	58.52	0.00	62.70	0.00	69.85
Ethane	10720.60	2969.16	22348.72	5437.64	12594.90	4891.24	17675.82	6072.75
Propene	0.00	18.04	0.00	20.50	0.00	21.20	0.00	18.82
Propane	11532.90	12711.72	24242.36	20547.04	12251.81	17092.99	17170.26	18652.12
i-Butane	1631.00	4660.49	3863.08	7132.92	1791.95	6072.14	2777.12	6308.47
? RI= 360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	5268.54	18295.17	11325.27	27147.12	5383.08	22838.25	7425.71	22232.18
2,2-DMC3	13.80	92.67	36.33	133.14	16.02	119.40	33.47	126.35
i-Pentane	998.43	7479.56	2285.33	10396.20	1056.27	9343.67	1537.75	8718.16
n-Pentane	1194.35	10375.20	2661.95	13998.60	1240.32	12795.88	1758.10	11770.10
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	9.47	116.47	18.99	130.78	8.76	126.14	14.96	130.73
CyC5	211.46	753.37	319.49	991.74	180.17	878.57	184.95	769.05
2,3-DMC4	31.04	341.59	59.26	397.26	28.63	384.60	41.78	369.84
2-MC5	205.82	2963.52	431.07	3487.22	198.11	3414.49	301.21	3199.53
3-MC5	134.96	1746.52	264.27	2039.10	126.26	1991.84	182.22	1832.44
n-Hexane	211.20	3812.34	501.14	4356.32	223.49	4312.35	334.17	4061.76
2,2-DMC5	0.00	40.43	0.00	37.26	0.00	38.15	2.82	40.28
MCyC5	390.69	2488.54	610.15	2955.02	337.59	2828.48	387.27	2517.43
2,4-DMC5	8.58	147.88	16.67	153.26	7.46	157.02	12.15	153.11
TMC4	0.00	13.31	0.00	11.08	0.00	11.43	0.00	12.02
Benzene	156.87	203.95	192.43	295.50	124.26	275.33	119.88	281.32
3,3-DMC5	0.00	22.04	0.00	20.16	0.00	20.85	0.00	21.13
CyC6	396.77	1960.85	535.36	2214.76	318.61	2162.39	349.66	1996.32
2-MC6	34.44	617.68	58.39	606.58	27.22	629.55	42.72	617.40
2,3-DMC5	18.90	291.99	31.94	304.52	15.19	311.54	21.59	281.85
1,1-DMC5	20.57	198.09	31.99	217.26	17.16	220.17	21.10	193.62
3-MC6	48.34	788.42	80.00	795.16	37.95	820.26	55.78	772.80
DMCyC5	42.59	435.78	66.91	475.26	34.96	479.38	42.73	418.83
DMCyC5	46.14	486.40	71.82	524.46	37.43	529.39	45.90	462.45
DMCyC5	79.10	788.57	122.18	852.92	63.74	856.50	75.69	731.63
n-Heptane	47.84	1304.01	116.67	1294.24	48.38	1342.45	70.80	1268.70
MCyC6	293.78	1962.60	381.08	2018.04	219.67	2075.46	257.81	1929.81
TMCyC5	0.00	0.00	0.00	241.98	0.00	262.55	0.00	0.00
2,5-DMC6	0.00	38.88	0.00	32.76	0.00	33.61	0.00	33.55
2,4-DMC6	23.08	205.46	31.30	201.66	16.24	205.44	20.27	189.16
TMCyC5	11.39	150.74	16.69	150.42	8.17	158.06	10.70	141.08
TMCyC5	11.23	154.27	17.98	154.30	7.83	159.06	10.81	135.41
TMCyC5	0.00	14.82	0.00	15.74	0.00	17.17	0.00	16.09
Toluene	131.44	252.17	146.49	310.58	91.89	300.03	87.49	296.56
TMCyC5	0.00	34.50	0.00	31.08	0.00	32.27	2.43	31.71
2,3-DMC6	0.00	23.73	0.00	23.24	0.00	23.58	0.00	20.47
3-Et,2-MC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MC7	18.89	302.74	28.01	272.24	12.87	282.24	18.23	270.97
4-MC7	5.06	78.07	5.99	66.60	2.99	69.80	4.74	72.22
3,4-DMC6	0.00	25.17	0.00	23.66	0.00	23.97	0.00	21.08
3-MC7	12.05	176.20	7.11	148.64	3.43	153.89	10.61	156.47
DMCyC6	25.26	245.44	30.75	242.36	16.87	259.40	21.41	241.31
DMCyC6	11.05	105.78	13.13	104.28	7.38	110.64	9.21	104.48
DMCyC6	7.33	64.14	8.68	61.62	0.00	62.97	5.64	58.63
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	10.88	107.87	13.76	105.88	6.96	108.50	8.30	94.39
? RI= 797	0.00	21.25	4.19	21.92	0.00	22.73	2.50	19.64
n-Octane	27.19	428.90	43.39	401.72	20.84	425.55	26.61	401.03
? RI= 806	5.85	65.88	6.67	64.18	3.79	67.77	4.57	62.44
? RI= 815	0.00	8.83	0.00	8.00	0.00	8.63	0.00	7.98
? RI= 820	0.00	9.04	0.00	7.46	0.00	7.91	0.00	8.09
? RI= 826	0.00	17.76	0.00	14.92	0.00	15.64	0.00	15.66
DMCyC6?	0.00	92.88	4.92	84.04	0.00	85.96	3.18	80.61
EtCyC6	19.06	149.53	20.84	139.74	12.04	148.70	14.14	141.40
unsp.Napht	7.59	75.31	8.50	68.28	4.27	70.25	5.07	61.68
? RI= 846	0.00	30.86	0.00	29.14	0.00	30.94	0.00	27.43
EtBenzene	8.98	36.83	9.39	36.88	5.12	36.64	4.87	31.96
? RI= 859	0.00	41.49	4.48	38.32	0.00	41.67	2.88	37.55
m+p-Xylene	21.98	96.61	22.65	90.14	11.63	91.02	16.27	93.65
4-+2-MC8?	5.50	42.15	5.58	35.64	3.24	37.13	3.65	35.07
? RI= 883	0.00	11.96	0.00	10.14	0.00	11.96	0.00	10.42
o-Xylene	6.50	15.94	6.24	14.08	3.79	16.58	3.46	16.02
? RI= 891	0.00	21.27	0.00	15.88	0.00	20.57	0.00	18.99
MC8+C4CyC6	0.00	19.22	0.00	13.60	0.00	19.27	0.00	18.56
C4CyC6?	0.00	12.38	0.00	0.00	0.00	12.29	0.00	11.77
n-Nonane	0.00	59.95	4.89	47.92	0.00	56.82	3.23	55.92
SUM:	59127.8	83797.7	117759.9	114936.9	67813.7	103563.2	92026.2	105598.3

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

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

IKU-ID DEPTH	384421 1370m H	384422 1370m O	384431 1380m H	384432 1380m O	384441 1390m H	384442 1390m O	384451 1400m H	384452 1400m O
COMPOUND								
Methane	7591.28	2705.87	16162.37	2872.87	2592.22	1411.61	4752.07	649.40
Ethene	0.00	54.11	0.00	54.35	0.00	32.61	0.00	28.91
Ethane	5221.48	1231.85	4733.09	552.05	1843.78	1169.87	1478.42	951.79
Propene	0.00	17.62	0.00	17.93	0.00	0.00	0.00	0.00
Propane	5482.65	4529.56	5164.18	2056.93	1283.74	2639.69	971.31	2417.50
i-Butane	840.68	1341.42	922.39	703.80	139.23	530.77	119.34	538.05
? RI= 360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	2050.38	4903.92	2446.09	2700.91	321.16	1819.65	227.14	1808.90
2,2-DMC3	11.11	25.45	0.00	16.50	0.00	10.68	0.00	11.03
i-Pentane	482.03	1992.56	854.66	1364.49	75.25	607.81	49.73	597.24
n-Pentane	501.03	2738.03	991.44	2077.39	64.87	862.98	42.44	863.59
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	8.13	45.58	30.39	52.33	2.01	20.55	0.00	23.69
CyC5	71.86	197.76	102.86	122.68	10.84	62.67	7.54	66.04
2,3-DMC4	19.03	121.39	59.98	125.54	3.96	45.26	2.91	48.93
2-MC5	113.87	915.53	334.38	897.11	21.12	302.10	13.78	303.71
3-MC5	71.18	541.30	206.76	521.49	13.60	181.88	8.91	182.79
n-Hexane	106.80	1127.84	287.74	1224.19	9.03	366.71	5.79	386.93
2,2-DMC5	0.00	19.52	0.00	31.28	0.00	10.22	0.00	12.83
MCyC5	170.42	780.58	403.14	665.95	29.13	262.75	18.79	274.42
2,4-DMC5	0.00	53.24	21.84	69.03	0.00	22.55	0.00	25.55
TMC4	0.00	0.00	0.00	10.15	0.00	0.00	0.00	0.00
Benzene	90.25	101.09	156.93	85.66	18.68	59.48	18.81	75.66
3,3-DMC5	0.00	10.63	0.00	17.73	0.00	0.00	0.00	7.75
CyC6	202.68	759.04	482.85	666.21	38.57	297.74	29.17	334.89
2-MC6	20.82	227.48	88.35	313.03	5.13	91.80	4.02	109.92
2,3-DMC5	10.81	109.42	39.74	133.38	2.87	47.13	2.05	50.39
1,1-DMC5	11.26	75.10	35.88	80.54	2.72	32.58	0.00	33.78
3-MC6	26.83	282.88	106.43	365.71	7.01	114.40	5.33	131.94
DMCyC5	21.04	151.80	62.61	161.94	4.60	59.07	3.13	61.65
DMCyC5	22.77	170.65	68.62	184.33	5.09	67.74	3.54	70.88
DMCyC5	38.52	280.76	108.17	291.89	8.68	114.95	5.79	115.15
n-Heptane	32.15	430.61	95.58	615.59	2.02	157.81	0.00	199.27
MCyC6	181.46	901.40	722.35	1273.94	45.07	424.17	37.00	587.13
TMCyC5	0.00	89.25	0.00	0.00	0.00	43.04	0.00	0.00
2,5-DMC6	0.00	16.10	0.00	26.14	0.00	8.01	0.00	10.49
2,4-DMC6	12.57	82.22	40.91	110.07	3.29	37.16	2.58	45.54
TMCyC5	5.85	61.35	18.60	76.04	0.00	28.91	0.00	30.50
TMCyC5	5.61	63.24	0.00	73.95	0.00	30.24	0.00	29.21
TMCyC5	0.00	0.00	0.00	7.45	0.00	0.00	0.00	0.00
Toluene	73.47	111.26	184.68	123.49	9.87	43.86	10.27	71.36
TMCyC5	0.00	15.02	0.00	23.18	0.00	7.63	0.00	10.28
2,3-DMC6	0.00	8.46	0.00	10.57	0.00	0.00	0.00	0.00
3-Et, 2-MC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MC7	10.36	114.83	35.27	167.52	2.23	51.59	0.00	68.81
4-MC7	0.00	30.95	0.00	51.06	0.00	14.48	0.00	21.75
3,4-DMC6	0.00	8.51	0.00	13.67	0.00	0.00	0.00	0.00
3-MC7	6.72	70.51	33.49	119.58	2.23	34.02	2.10	51.95
DMCyC6	15.31	114.55	67.92	169.56	4.96	60.36	4.42	80.93
DMCyC6	7.01	47.78	32.27	76.76	2.17	25.19	0.00	37.25
DMCyC6	0.00	29.71	0.00	41.96	0.00	16.67	0.00	20.89
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.00	41.70	0.00	50.49	0.00	19.93	0.00	22.14
? RI= 797	0.00	9.29	0.00	10.85	0.00	0.00	0.00	0.00
n-Octane	18.45	171.58	61.48	272.67	3.43	79.62	2.87	121.69
? RI= 806	0.00	31.01	17.33	46.05	0.00	13.19	0.00	18.34
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 820	0.00	0.00	0.00	7.93	0.00	0.00	0.00	0.00
? RI= 826	0.00	7.81	0.00	12.11	0.00	0.00	0.00	0.00
DMCyC6?	0.00	36.86	0.00	52.03	0.00	18.62	0.00	23.44
EtCyC6	11.14	69.32	49.65	105.67	3.37	37.91	3.29	58.05
unsp. Napht	0.00	33.44	0.00	45.61	0.00	19.55	0.00	24.53
? RI= 846	0.00	8.83	0.00	12.70	0.00	0.00	0.00	0.00
EtBenzene	0.00	14.59	0.00	18.91	0.00	6.55	0.00	9.00
? RI= 859	0.00	18.98	0.00	28.19	0.00	9.62	0.00	15.96
m+p-Xylene	12.11	43.43	57.54	71.45	0.00	19.33	0.00	44.52
4-+2-MC8?	0.00	17.42	0.00	28.34	0.00	9.00	0.00	21.48
? RI= 883	0.00	0.00	0.00	8.39	0.00	0.00	0.00	0.00
o-Xylene	0.00	0.00	0.00	8.87	0.00	0.00	0.00	0.00
? RI= 891	0.00	7.53	0.00	13.38	0.00	0.00	0.00	9.25
MC8+C4CyC6	0.00	7.62	0.00	15.73	0.00	0.00	0.00	8.57
C4CyC6?	0.00	0.00	0.00	9.10	0.00	0.00	0.00	0.00
n-Nonane	0.00	22.25	0.00	46.14	0.00	10.07	0.00	47.74
SUM:	23579.1	28249.4	35288.0	22282.6	6602.0	12471.8	7832.6	11873.4

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

IKU-ID DEPTH	YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS (microliters gas per kg dry sediment)							
	384461 1410m H	384462 1410m O	384471 1420m H	384472 1420m O	384481 1430m H	384482 1430m O	384491 1440m H	384492 1440m O
COMPOUND								
Methane	7272.99	2155.50	31816.86	3373.00	22268.48	5273.67	31795.23	4031.88
Ethene	0.00	40.09	0.00	65.12	0.00	95.81	0.00	84.70
Ethane	1715.65	600.89	10391.40	789.30	8569.83	1691.40	11579.37	3091.94
Propene	0.00	13.82	0.00	22.95	6.78	31.54	0.00	29.51
Propane	1457.72	1599.72	7838.29	1665.67	5728.96	2641.36	7425.95	4369.76
i-Butane	260.51	395.21	1625.70	621.23	939.41	854.81	1291.67	1381.42
? RI= 360	0.00	0.00	0.00	0.00	0.00	0.00	32.32	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	469.95	1352.97	2767.56	1759.51	1828.36	2320.98	2343.49	3591.00
2,2-DMC3	6.09	10.55	40.83	26.59	19.39	36.67	27.20	59.74
i-Pentane	141.09	497.11	902.19	1025.10	508.79	1308.24	631.64	1989.69
n-Pentane	121.60	713.23	723.25	1230.47	434.18	1510.60	519.92	2162.03
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	6.27	27.43	37.64	69.67	19.23	92.24	21.60	135.67
CyC5	13.53	46.14	57.58	70.63	55.33	88.44	57.40	141.38
2,3-DMC4	9.43	50.09	51.99	115.45	29.72	150.57	31.63	216.25
2-MC5	43.71	278.31	191.57	529.08	107.93	688.34	111.60	960.51
3-MC5	26.68	164.70	117.43	316.42	70.15	409.85	71.20	564.73
n-Hexane	32.13	376.80	206.63	803.97	103.25	1016.90	117.88	1393.61
2,3-DMC5	0.00	15.81	7.71	31.66	3.80	41.48	3.39	55.13
MCyC5	46.43	222.89	198.72	455.36	172.52	549.29	162.91	774.49
2,4-DMC5	3.54	28.12	12.92	53.43	6.99	69.61	6.24	93.14
TMC4	0.00	0.00	0.00	12.57	0.00	15.74	0.00	20.99
Benzene	26.24	59.54	105.03	83.37	108.74	77.99	77.13	138.07
3,3-DMC5	0.00	9.35	5.07	19.42	0.00	24.39	2.60	32.75
CyC6	66.16	297.76	291.88	647.17	280.98	777.51	250.57	1124.50
2-MC6	14.26	124.12	46.03	235.45	26.01	298.43	21.47	395.01
2,3-DMC5	6.23	49.94	17.86	81.48	11.15	102.54	9.00	133.95
1,1-DMC5	4.74	31.03	16.55	55.10	12.85	67.93	11.03	91.37
3-MC6	17.34	138.78	48.94	245.75	30.53	308.76	24.58	405.51
DMCyC5	7.87	51.46	21.48	81.76	17.15	99.15	14.17	129.79
DMCyC5	8.90	59.71	23.51	92.56	18.64	112.04	15.13	146.43
DMCyC5	13.60	89.64	34.19	130.31	28.02	158.61	22.66	207.09
n-Heptane	12.94	226.68	67.68	498.07	29.01	618.45	29.90	840.00
MCyC6	96.42	612.72	301.94	1156.40	284.73	1335.93	221.78	1762.57
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	13.29	0.00	21.85	0.00	26.61	0.00	34.45
2,4-DMC6	6.18	45.39	14.24	74.86	13.97	88.08	10.18	116.03
TMCyC5	3.51	27.88	6.10	34.66	4.71	42.59	3.09	54.54
TMCyC5	2.68	21.98	0.00	20.48	0.00	25.07	0.00	31.55
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	20.95	72.26	102.39	161.75	103.69	134.71	64.13	220.28
TMCyC5	0.00	11.86	0.00	17.61	0.00	20.55	0.00	27.08
2,3-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-Et, 2-MC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MC7	6.60	75.82	16.00	119.10	9.87	142.75	6.66	193.97
4-MC7	2.73	25.82	5.84	44.15	3.91	52.70	2.51	70.85
3,4-DMC6	0.00	0.00	0.00	8.24	0.00	9.70	0.00	12.73
3-MC7	6.54	62.85	14.02	107.74	10.25	126.14	6.47	169.50
DMCyC6	11.53	86.67	22.67	130.65	22.06	150.69	14.52	196.89
DMCyC6	5.31	40.78	11.00	64.45	10.70	72.17	7.11	95.59
DMCyC6	2.82	20.54	5.69	29.48	5.80	33.30	3.81	43.79
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	2.44	15.65	0.00	10.62	0.00	12.33	0.00	16.46
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.75
n-Octane	11.09	137.27	28.00	259.85	18.92	303.45	13.62	426.27
? RI= 806	2.79	19.98	5.70	32.42	6.30	35.64	4.07	48.15
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 820	0.00	0.00	0.00	6.27	0.00	7.07	0.00	9.57
? RI= 826	0.00	0.00	0.00	8.59	0.00	9.88	0.00	13.62
DMCyC6?	0.00	25.04	0.00	31.01	0.00	36.15	0.00	50.64
EtCyC6	8.20	59.39	14.20	85.71	16.86	95.15	9.91	131.79
unsp. Napht	2.47	20.84	0.00	20.23	3.60	23.12	0.00	31.24
? RI= 846	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.36
StBenzene	0.00	6.55	4.18	9.93	5.17	8.91	2.70	15.09
? RI= 859	0.00	14.53	0.00	16.85	0.00	18.87	0.00	26.96
m+p-Xylene	8.38	47.39	28.34	97.42	29.01	96.22	12.72	148.94
4-+2-MC8?	2.12	19.53	3.74	28.86	3.86	32.03	2.07	46.36
? RI= 883	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.91
o-Xylene	0.00	0.00	4.79	12.24	6.99	10.89	3.54	19.19
? RI= 891	0.00	0.00	0.00	7.29	0.00	8.02	0.00	11.24
MC8+C4CyC6	0.00	9.06	0.00	14.56	0.00	15.74	0.00	22.48
C4CyC6?	0.00	0.00	0.00	6.64	0.00	0.00	0.00	10.22
n-Nonane	2.52	35.90	5.10	67.57	3.65	76.22	2.00	113.82
SUM:	12010.9	11256.3	58260.4	17915.1	42000.2	24584.0	57099.8	32988.9

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS (microliters gas per kg dry sediment)								
IKU-ID	384501	384502	384511	384512	384521	384522	384531	384532
DEPTH	1450m H	1450m O	1460m H	1460m O	1470m H	1470m O	1480m H	1480m O
COMPOUND								
Methane	26630.66	2533.79	31112.38	3017.93	18905.52	4039.24	29448.92	4126.02
Ethane	0.00	81.04	0.00	73.18	0.00	60.42	0.00	59.54
Ethane	12084.64	2391.18	8967.00	1475.46	7911.03	978.35	9090.11	846.58
Propene	0.00	28.68	0.00	24.65	0.00	21.14	8.80	19.72
Propane	8370.97	4044.84	5813.32	2163.08	5585.42	1398.20	6320.02	1214.95
i-Butane	1283.36	1045.90	873.48	502.88	875.14	307.98	964.67	263.26
? RI= 360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	2460.33	3189.55	1630.53	1593.63	1618.72	1020.25	1879.14	918.08
2,2-DMC3	25.14	39.51	17.40	18.15	19.04	0.00	20.28	0.00
i-Pentane	604.05	1451.27	383.27	677.74	404.75	425.35	475.08	377.41
n-Pentane	491.11	1740.94	300.02	854.34	313.30	557.06	391.26	525.08
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	20.69	89.90	13.29	42.84	15.39	27.13	18.70	24.78
CyC5	63.96	116.80	38.34	58.09	39.62	36.80	51.05	33.11
2,3-DMC4	30.67	146.93	18.05	70.22	20.69	44.69	26.51	41.83
2-MC5	103.91	663.57	59.48	323.79	65.44	209.66	88.83	199.77
3-MC5	67.85	394.27	39.05	194.89	43.41	125.89	58.66	119.30
n-Hexane	90.72	980.56	47.85	495.63	53.68	322.63	74.54	313.94
2,2-DMC5	3.26	37.57	0.00	19.65	0.00	12.71	0.00	13.02
MCyC5	169.01	583.83	97.31	302.21	105.04	197.07	141.09	181.73
2,4-DMC5	5.94	64.11	3.39	33.34	3.85	21.49	5.76	21.81
TMC4	0.00	14.27	0.00	7.30	0.00	0.00	0.00	0.00
Benzene	97.67	134.64	57.02	80.21	61.33	52.22	90.97	52.29
3,3-DMC5	2.62	22.26	0.00	12.15	0.00	7.84	0.00	7.84
CyC6	271.99	867.58	158.25	456.77	171.94	296.02	230.96	268.17
2-MC6	19.72	275.65	10.65	150.29	11.69	97.45	19.48	98.69
2,3-DMC5	9.00	96.38	5.12	53.75	5.83	35.58	9.30	35.80
1,1-DMC5	11.67	67.43	6.77	36.50	7.92	24.59	11.24	23.28
3-MC6	23.64	288.37	12.83	159.88	14.01	105.09	23.47	105.51
DMCyC5	14.61	98.45	8.25	54.50	9.18	36.78	13.95	35.58
DMCyC5	15.66	110.95	8.88	62.04	9.91	42.13	15.20	40.91
DMCyC5	24.09	159.86	13.91	89.98	15.75	61.65	23.90	59.01
n-Heptane	20.74	579.46	10.31	323.89	11.01	207.33	16.47	206.01
MCyC6	237.34	1354.87	132.90	780.99	150.35	531.45	225.24	523.83
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	26.54	0.00	16.84	0.00	11.32	0.00	11.65
2,4-DMC6	10.65	89.81	5.95	54.21	6.30	36.49	10.84	37.16
TMCyC5	3.53	45.15	2.13	28.60	0.00	19.79	4.20	20.07
TMCyC5	0.00	27.79	0.00	18.43	0.00	13.40	0.00	11.67
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	76.89	195.86	42.78	114.58	45.06	76.29	72.20	82.23
TMCyC5	0.00	21.80	0.00	14.11	0.00	9.67	0.00	9.82
2,3-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-Et, 2-MC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MC7	6.25	155.53	3.52	98.54	3.77	67.74	7.54	67.45
4-MC7	0.00	54.94	0.00	35.49	0.00	23.53	0.00	24.19
3,4-DMC6	0.00	10.24	0.00	6.80	0.00	0.00	0.00	0.00
3-MC7	6.47	131.52	3.55	84.63	3.63	56.92	7.33	58.09
DMCyC6	16.18	160.52	9.07	103.27	10.05	71.13	17.67	73.53
DMCyC6	7.81	76.72	4.35	48.88	4.82	33.43	8.38	34.39
DMCyC6	4.46	38.01	2.62	23.50	3.02	16.64	4.93	16.63
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.00	14.36	0.00	13.72	0.00	9.86	0.00	9.65
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	12.77	328.22	7.11	209.56	7.67	139.25	12.75	140.76
? RI= 806	4.58	38.28	2.61	24.95	2.99	17.71	5.00	18.00
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 820	0.00	8.58	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 826	0.00	11.95	0.00	8.18	0.00	0.00	0.00	0.00
DMCyC6?	0.00	46.54	0.00	31.93	0.00	23.32	0.00	22.95
EtCyC6	11.44	113.45	6.47	76.01	6.89	53.93	12.70	54.81
unsp. Napht	0.00	29.50	0.00	21.58	0.00	16.42	0.00	16.37
? RI= 846	0.00	8.01	0.00	0.00	0.00	0.00	0.00	0.00
EtBenzene	3.13	13.11	0.00	7.23	0.00	0.00	0.00	0.00
? RI= 859	0.00	25.63	0.00	18.00	0.00	13.00	0.00	13.22
m+p-Xylene	18.98	125.90	7.79	76.90	7.94	54.72	12.86	57.80
4-+2-MC8?	0.00	41.60	0.00	28.75	0.00	20.45	0.00	20.29
? RI= 883	0.00	8.40	0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene	4.27	15.50	2.06	7.03	0.00	0.00	0.00	0.00
? RI= 891	0.00	11.36	0.00	6.80	0.00	0.00	0.00	0.00
MC8+C4CyC6	0.00	20.71	0.00	13.25	0.00	9.45	0.00	9.78
C4CyC6?	0.00	9.40	0.00	0.00	0.00	0.00	0.00	0.00
n-Nonane	0.00	101.00	0.00	65.55	0.00	43.92	0.00	45.27
SUM:	53442.4	25700.3	49939.1	15467.3	36551.1	12142.6	49920.0	11612.6

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

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

IKU-ID DEPTH	384541 1490m H	384542 1490m O	384551 1500m H	384552 1500m O	384561 1510m H	384562 1510m O	384571 1520m H	384572 1520m O
COMPOUND								
Methane	12048.74	3398.81	15311.56	2480.28	26974.51	2648.96	25546.54	1655.49
Ethene	0.00	75.77	0.00	72.41	0.00	68.48	0.00	50.37
Ethane	4553.16	2062.92	5764.56	1326.02	8162.57	1385.31	8040.26	1087.23
Propene	1.32	24.65	0.00	26.66	0.00	23.87	0.00	17.70
Propane	2737.58	2589.94	3379.15	1970.86	4414.62	2135.74	4813.94	1889.58
i-Butane	465.36	747.91	549.56	597.53	636.58	581.84	691.29	533.26
? RI= 360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	785.37	1978.09	987.66	1663.05	1122.93	1708.88	1367.17	1621.02
2,2-DMC3	10.55	30.61	11.24	26.00	11.35	20.77	12.00	19.18
i-Pentane	213.03	1054.54	274.93	937.98	273.20	827.69	331.04	793.75
n-Pentane	166.73	1151.12	203.08	1039.92	203.21	972.86	260.50	955.31
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	7.42	69.28	9.79	64.61	8.82	50.08	10.46	48.02
CyC5	13.71	80.62	33.64	69.17	33.00	66.02	46.21	61.49
2,3-DMC4	10.05	111.91	14.71	106.38	13.27	86.69	17.08	83.73
2-MC5	35.14	490.44	53.05	484.17	45.56	409.23	61.83	404.05
3-MC5	21.77	293.52	34.38	288.51	29.58	242.08	39.73	238.25
n-Hexane	37.20	704.18	33.36	682.64	31.66	576.91	38.60	557.95
2,2-DMC5	1.15	29.09	0.00	30.00	0.00	22.17	0.00	22.09
MCyC5	38.90	425.82	87.41	400.52	75.90	342.03	107.56	327.61
2,4-DMC5	1.97	48.89	3.61	51.12	0.00	39.31	0.00	39.00
TMC4	0.57	10.61	0.00	10.59	0.00	7.87	0.00	7.85
Benzene	14.38	74.03	78.78	69.83	71.17	74.38	132.96	69.55
3,3-DMC5	0.76	16.98	0.00	17.42	0.00	13.32	0.00	13.21
CyC6	54.50	640.47	154.47	602.71	141.97	548.58	205.68	513.71
2-MC6	6.35	209.14	12.79	224.96	8.67	179.36	13.45	177.04
2,3-DMC5	2.69	72.88	5.90	78.54	4.16	64.21	6.67	63.80
1,1-DMC5	2.90	50.45	6.39	51.90	5.56	44.72	8.05	43.62
3-MC6	7.06	218.29	15.94	236.99	10.76	192.50	17.74	190.19
DMCyC5	3.68	73.07	8.78	76.57	6.63	63.92	10.48	62.95
DMCyC5	3.94	82.16	9.72	87.25	7.19	72.48	11.45	71.59
DMCyC5	5.94	118.22	14.94	125.85	11.33	106.74	18.06	105.18
n-Heptane	8.90	429.55	7.32	458.23	5.80	373.53	7.15	355.17
MCyC6	49.52	1024.54	144.27	1075.04	116.13	938.03	180.15	901.49
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	20.18	0.00	23.32	0.00	18.56	0.00	18.67
2,4-DMC6	2.21	67.24	6.57	74.73	5.06	62.04	8.96	60.34
TMCyC5	0.92	33.06	0.00	38.67	0.00	34.66	0.00	34.79
TMCyC5	0.57	20.10	0.00	24.46	0.00	22.88	0.00	23.35
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	10.01	119.28	67.64	118.14	52.10	118.73	96.65	109.37
TMCyC5	0.00	15.98	0.00	18.77	0.00	16.02	0.00	15.72
2,3-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-Et, 2-MC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MC7	1.99	113.72	4.69	134.73	3.04	121.87	0.00	118.99
4-MC7	0.69	41.09	0.00	48.12	0.00	41.76	0.00	40.56
3,4-DMC6	0.00	7.51	0.00	9.11	0.00	7.91	0.00	7.76
3-MC7	1.66	97.74	5.79	114.46	3.15	95.83	6.29	93.01
DMCyC6	3.37	118.40	13.04	137.27	8.74	125.11	15.92	121.36
DMCyC6	1.62	57.21	6.11	64.99	4.06	57.04	7.21	54.72
DMCyC6	0.90	26.73	0.00	30.53	0.00	27.09	0.00	26.11
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.00	14.52	0.00	12.96	0.00	15.63	0.00	15.27
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	3.54	240.18	8.26	279.04	5.51	241.12	9.93	228.80
? RI= 806	0.87	28.21	0.00	31.86	0.00	27.31	0.00	26.41
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 820	0.00	0.00	0.00	7.55	0.00	6.96	0.00	0.00
? RI= 826	0.00	8.66	0.00	10.40	0.00	9.85	0.00	9.54
DMCyC6?	0.00	33.66	0.00	40.72	0.00	41.60	0.00	40.18
EtCyC6	2.05	83.43	9.48	97.59	6.00	89.76	11.60	85.46
unsp. Napht	0.00	20.80	0.00	26.02	0.00	25.79	0.00	25.53
? RI= 846	0.00	0.00	0.00	0.00	0.00	7.08	0.00	0.00
EtBenzene	0.00	8.09	0.00	9.62	0.00	9.17	0.00	8.23
? RI= 859	0.00	17.62	0.00	22.03	0.00	21.93	0.00	21.04
m+p-Xylene	2.55	87.72	14.05	97.61	12.31	92.86	16.99	84.09
4-+2-MC8?	0.00	30.40	0.00	35.96	0.00	34.99	0.00	32.99
? RI= 883	0.00	0.00	0.00	0.00	0.00	7.16	0.00	0.00
o-Xylene	0.00	9.63	4.57	10.82	2.90	11.17	0.00	8.10
? RI= 891	0.00	0.00	0.00	9.51	0.00	9.54	0.00	7.61
MC8+C4CyC6	0.00	13.07	0.00	17.50	0.00	17.42	0.00	14.33
C4CyC6?	0.00	0.00	0.00	8.03	0.00	8.16	0.00	0.00
n-Nonane	0.52	69.74	0.00	84.56	0.00	79.73	0.00	71.37
SUM:	21343.8	19792.5	27351.2	17072.8	42529.0	16395.3	42169.6	14384.1

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS (microliters gas per kg dry sediment)								
IKU-ID	384581	384582	384591	384592	384601	384602	384611	384612
DEPTH	1530m H	1530m O	1540m H	1540m O	1550m H	1550m O	1560m H	1560m O
COMPOUND								
Methane	33930.59	1126.27	28372.14	1495.59	29365.17	985.27	25556.18	718.42
Ethene	0.00	62.71	0.00	74.79	0.00	72.31	0.00	39.10
Ethane	8111.53	804.18	9149.33	751.02	9271.79	835.30	7917.29	842.55
Propene	0.00	22.19	0.00	26.15	0.00	26.94	0.00	15.91
Propane	6043.10	1753.27	7598.93	2127.62	6339.13	1794.40	4472.17	1554.23
i-Butane	1064.22	683.92	1321.98	1043.65	1074.12	594.49	581.14	330.87
? RI= 360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	2247.21	2095.95	2958.77	2951.27	2194.88	1901.58	1128.79	1170.32
2,2-DMC3	16.95	25.66	19.22	38.90	17.44	20.54	0.00	0.00
i-Pentane	592.03	1265.22	719.76	1890.20	557.25	1022.63	258.82	443.36
n-Pentane	534.62	1630.91	696.31	2408.12	486.65	1309.30	203.01	560.44
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	16.12	72.95	18.24	104.61	15.83	56.56	7.81	22.70
CyC5	58.78	75.80	80.20	113.10	59.28	67.58	28.91	34.95
2,3-DMC4	29.50	144.72	35.05	211.00	28.55	114.46	13.38	44.38
2-MC5	132.61	828.99	157.23	1219.90	117.83	619.71	50.28	219.83
3-MC5	80.71	460.46	96.46	673.48	73.96	355.62	32.33	130.25
n-Hexane	93.17	1150.85	124.63	1749.34	98.34	846.18	39.89	274.21
2,2-DMC5	0.00	40.56	0.00	57.54	0.00	33.24	0.00	13.21
MCyC5	153.88	460.38	195.50	669.86	150.55	385.18	68.89	170.08
2,4-DMC5	7.10	76.09	8.08	109.28	6.37	61.24	0.00	22.62
TMC4	0.00	11.53	0.00	15.85	0.00	9.08	0.00	0.00
Benzene	100.37	50.98	150.32	60.01	122.89	64.29	85.53	67.27
3,3-DMC5	0.00	22.75	0.00	32.10	0.00	18.98	0.00	7.36
CyC6	282.31	726.60	371.22	1088.16	301.40	663.75	150.51	317.76
2-MC6	28.37	371.79	32.63	551.14	24.96	302.30	11.43	99.24
2,3-DMC5	11.95	120.88	13.48	172.73	10.69	99.06	0.00	36.01
1,1-DMC5	13.75	76.85	16.70	111.57	13.80	65.62	6.96	27.09
3-MC6	35.04	392.32	39.83	578.37	29.79	320.09	13.38	105.78
DMCyC5	16.93	105.37	20.09	151.18	15.53	85.60	7.08	32.37
DMCyC5	18.67	122.51	22.05	176.00	17.04	100.78	7.89	38.00
DMCyC5	27.70	169.81	32.63	241.23	25.80	140.54	12.35	55.60
n-Heptane	18.78	698.86	22.43	1096.97	21.75	546.61	11.50	165.89
MCyC6	281.27	1455.10	349.97	2119.59	284.85	1299.70	142.72	562.31
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	35.63	0.00	53.49	0.00	35.55	0.00	13.90
2,4-DMC6	12.67	104.65	16.83	155.06	12.62	94.48	0.00	36.13
TMCyC5	6.45	65.92	7.04	96.28	5.50	62.12	0.00	23.51
TMCyC5	4.35	37.75	4.69	53.87	0.00	35.06	0.00	13.07
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	97.11	113.32	146.24	161.41	99.80	120.91	49.90	88.48
TMCyC5	0.00	28.91	0.00	42.86	0.00	28.58	0.00	11.04
2,3-DMC6	0.00	0.00	0.00	10.15	0.00	0.00	0.00	0.00
3-Et, 2-MC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MC7	10.69	220.87	11.20	338.27	10.49	220.79	0.00	77.67
4-MC7	4.83	75.35	4.97	116.79	0.00	75.01	0.00	25.83
3,4-DMC6	0.00	14.65	0.00	21.97	0.00	14.46	0.00	0.00
3-MC7	11.24	170.20	12.18	261.66	9.51	170.96	0.00	62.31
DMCyC6	24.05	195.55	27.73	284.20	21.29	181.78	10.52	70.68
DMCyC6	11.28	90.74	13.31	133.00	10.31	84.58	0.00	33.15
DMCyC6	6.23	42.66	7.49	62.48	6.22	42.26	0.00	17.44
DMCyC6?	0.00	0.00	0.00	8.97	0.00	0.00	0.00	0.00
DMCyC6	0.00	16.60	0.00	23.48	0.00	14.69	0.00	0.00
? RI= 797	0.00	0.00	0.00	8.95	0.00	0.00	0.00	0.00
n-Octane	16.11	354.53	18.13	557.51	16.16	331.06	9.06	121.85
? RI= 806	6.01	49.27	7.39	74.65	5.65	48.64	0.00	15.77
? RI= 815	0.00	0.00	0.00	7.38	0.00	0.00	0.00	0.00
? RI= 820	0.00	10.66	0.00	16.27	0.00	12.78	0.00	0.00
? RI= 826	0.00	15.49	0.00	25.54	0.00	18.33	0.00	8.01
DMCyC6?	0.00	65.28	0.00	102.91	0.00	74.80	0.00	24.27
EtCyC6	18.51	133.83	21.88	203.66	16.57	137.37	7.88	58.12
unsp. Napht	5.55	45.53	6.16	69.28	0.00	52.28	0.00	21.81
? RI= 846	0.00	11.90	0.00	18.47	0.00	12.80	0.00	0.00
EtBenzene	4.54	11.10	7.35	18.30	0.00	10.43	0.00	0.00
? RI= 859	0.00	33.82	0.00	52.40	0.00	38.25	0.00	15.24
m+p-Xylene	21.38	118.36	43.83	190.16	19.68	124.61	7.88	57.76
4+2-MC8?	4.09	49.66	0.00	78.10	0.00	56.68	0.00	23.19
? RI= 883	0.00	9.99	0.00	14.99	0.00	10.86	0.00	0.00
o-Xylene	6.39	12.29	10.55	19.75	6.25	11.62	0.00	0.00
? RI= 891	0.00	13.44	0.00	20.19	0.00	14.03	0.00	0.00
MC8+C4CyC6	0.00	23.90	0.00	35.98	0.00	26.08	0.00	0.00
C4CyC6?	0.00	11.55	0.00	17.61	0.00	12.21	0.00	0.00
n-Nonane	0.00	92.38	0.00	146.38	0.00	96.38	0.00	40.08
SUM:	54218.1	19382.2	52990.1	27612.8	51165.7	17089.4	40893.5	8981.4

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS (microliters gas per kg dry sediment)								
IKU-ID	384621	384622	384631	384632	384641	384642	384651	384652
DEPTH	1570m H	1570m O	1580m H	1580m O	1590m H	1590m O	1600m H	1600m O
COMPOUND								
Methane	25777.87	679.41	22445.86	1299.17	30375.44	2397.76	31085.09	2342.58
Ethene	0.00	28.28	0.00	36.07	0.00	55.99	0.00	67.98
Ethane	6080.78	1177.77	2567.38	867.39	4840.77	602.94	6036.81	654.90
Propene	0.00	0.00	0.00	0.00	0.00	19.95	0.00	23.60
Propane	2557.07	1654.16	1097.64	1150.08	3133.17	1009.21	5127.74	1464.69
i-Butane	234.08	265.08	147.89	248.38	610.95	311.49	1032.61	716.50
? RI= 360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.65
n-Butane	461.47	850.21	270.78	776.01	1054.05	965.44	2081.10	1927.60
2,2-DMC3	0.00	0.00	0.00	0.00	17.93	15.23	20.16	34.19
1-Pentane	81.37	239.87	75.62	327.78	368.67	545.00	597.20	1382.10
n-Pentane	62.19	252.54	56.44	367.21	288.09	663.99	580.04	1781.44
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	0.00	10.33	3.05	20.97	16.96	42.88	18.65	94.40
Cyc5	11.27	19.87	8.54	25.07	24.05	31.27	45.21	60.37
2,3-DMC4	0.00	17.93	4.76	35.81	23.43	70.02	30.77	170.06
2-MC5	12.00	69.28	16.60	144.42	78.01	297.81	126.51	883.85
3-MC5	8.19	43.08	11.07	90.62	50.39	180.66	79.13	508.63
n-Hexane	9.41	78.00	11.14	193.15	74.81	460.11	129.15	1462.98
2,2-DMC5	0.00	0.00	0.00	9.81	0.00	21.21	3.67	50.94
MCyC5	23.12	73.66	28.16	147.06	101.60	236.90	159.42	519.69
2,4-DMC5	0.00	0.00	0.00	15.95	4.95	33.51	6.61	87.13
TMC4	0.00	0.00	0.00	0.00	0.00	7.70	0.00	14.92
Benzene	43.48	53.24	30.28	62.09	48.65	49.53	83.32	38.23
3,3-DMC5	0.00	0.00	0.00	0.00	0.00	12.59	0.00	29.13
CyC6	54.10	145.57	60.62	283.43	202.26	426.52	317.99	898.12
2-MC6	0.00	22.46	4.76	66.30	16.97	145.63	26.04	431.83
2,3-DMC5	0.00	8.81	0.00	24.56	7.39	50.49	10.57	133.69
1,1-DMC5	0.00	8.23	0.00	18.97	8.89	34.05	13.38	85.67
3-MC6	0.00	23.84	5.95	69.40	19.34	150.78	31.14	446.17
DMCyC5	0.00	9.06	3.17	24.34	10.32	45.28	15.31	112.79
DMCyC5	0.00	10.37	3.59	28.15	11.29	52.39	16.93	132.56
DMCyC5	0.00	16.26	5.58	42.31	17.09	74.79	24.98	182.15
n-Heptane	0.00	38.12	3.11	130.17	20.36	320.69	29.71	982.12
MCyC6	43.47	165.03	63.51	441.45	200.84	776.49	287.89	1735.52
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	0.00	0.00	8.94	0.00	16.21	0.00	43.58
2,4-DMC6	0.00	8.25	3.11	25.32	8.34	47.79	12.90	124.04
TMCyC5	0.00	0.00	0.00	13.11	0.00	23.17	4.78	70.67
TMCyC5	0.00	0.00	0.00	0.00	0.00	11.50	0.00	36.88
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	21.53	39.60	22.31	76.34	43.55	82.55	83.52	97.29
TMCyC5	0.00	0.00	0.00	0.00	0.00	12.57	0.00	33.29
2,3-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.02
3-Et, 2-MC5	0.00	14.97	0.00	47.11	5.48	87.51	8.98	0.00
2-MC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	259.50
4-MC7	0.00	0.00	0.00	16.00	0.00	32.19	3.65	92.60
3,4-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.56
3-MC7	0.00	11.98	0.00	39.59	5.67	77.62	9.35	213.29
DMCyC6	0.00	15.23	5.78	46.43	12.65	87.07	19.49	210.12
DMCyC6	0.00	0.00	0.00	22.35	6.23	41.85	9.49	99.98
DMCyC6	0.00	0.00	0.00	11.13	3.68	20.02	6.36	48.48
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.62
DMCyC6	0.00	0.00	0.00	0.00	0.00	8.64	0.00	16.56
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	0.00	27.23	4.04	96.10	11.62	198.13	16.64	504.88
? RI= 806	0.00	0.00	0.00	10.92	3.63	20.33	5.31	54.98
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 820	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.94
? RI= 826	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.35
DMCyC6?	0.00	0.00	0.00	12.98	0.00	25.91	0.00	71.19
EtCyC6	0.00	11.77	4.62	37.66	9.27	63.69	16.13	155.08
unsp. Napht	0.00	0.00	0.00	9.92	0.00	15.37	4.01	47.63
? RI= 846	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.21
EtBenzene	0.00	0.00	0.00	0.00	0.00	0.00	3.92	9.42
? RI= 859	0.00	0.00	0.00	7.80	0.00	13.66	0.00	36.21
m+p-Xylene	0.00	7.60	4.95	39.40	10.15	62.60	18.15	133.15
4+2-MC8?	0.00	0.00	0.00	13.55	0.00	23.84	0.00	59.15
? RI= 883	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.37
o-Xylene	0.00	0.00	0.00	0.00	0.00	0.00	5.55	10.35
? RI= 891	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.33
MC8+C4CyC6	0.00	0.00	0.00	0.00	0.00	10.06	0.00	25.85
C4CyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.65
n-Nonane	0.00	9.47	0.00	31.20	0.00	60.80	0.00	133.62
SUM:	35481.4	6106.6	26970.3	7512.0	41746.9	11151.4	48245.4	22164.0

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

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

IKU-ID DEPTH	384661 1610m H	384662 1610m O	384671 1620m H	384672 1620m O	384681 1630m H	384682 1630m O	384691 1640m H	384692 1640m O
COMPOUND								
Methane	21885.47	1282.90	26664.82	849.22	20288.55	1885.55	21539.16	1074.19
Ethene	0.00	39.63	0.00	35.46	0.00	43.14	0.00	35.99
Ethane	5736.79	748.22	9295.49	1118.55	4820.88	833.28	6429.13	796.70
Propene	0.00	0.00	0.00	11.45	0.00	13.28	0.00	12.07
Propane	4283.15	1406.43	6273.61	2051.48	3398.75	1647.07	4268.16	1432.26
i-Butane	803.00	444.94	953.14	546.61	595.66	627.72	711.81	464.74
? RI= 360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	1378.29	1303.95	1570.26	1600.85	1125.13	1756.82	1239.71	1321.90
2,2-DMC3	18.51	19.13	19.41	19.90	13.99	29.97	17.07	22.13
i-Pentane	409.72	744.08	372.38	743.56	294.08	1067.92	344.51	777.84
n-Pentane	336.95	917.55	299.35	937.33	279.72	1433.83	286.88	966.58
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	15.21	51.35	12.39	45.21	10.10	74.25	12.75	55.08
CyC5	26.57	37.71	27.02	42.72	19.54	53.93	21.83	36.96
2,3-DMC4	21.96	88.59	16.79	76.61	13.66	119.93	16.74	88.28
2-MC5	87.53	441.36	65.21	383.08	53.02	579.44	64.95	433.18
3-MC5	52.94	256.89	39.27	223.76	32.12	339.46	39.67	253.26
n-Hexane	82.39	631.67	67.78	575.36	70.32	1147.68	67.99	682.73
2,2-DMC5	3.14	27.31	0.00	22.24	0.00	32.91	0.00	25.50
MCyC5	90.50	277.99	73.28	261.38	61.79	397.61	68.62	265.24
2,4-DMC5	5.42	45.93	3.75	37.97	2.75	53.40	3.43	42.05
TMC4	0.00	8.30	0.00	6.36	0.00	10.75	0.00	7.67
Benzene	52.42	45.53	66.86	55.18	35.60	44.24	41.31	33.81
3,3-DMC5	0.00	15.43	0.00	12.54	0.00	19.08	0.00	14.59
CyC6	177.84	483.03	153.69	472.80	120.77	697.41	137.96	466.83
2-MC6	19.99	212.57	13.97	182.00	9.81	257.85	12.49	199.33
2,3-DMC5	7.93	70.68	5.31	58.83	3.68	79.19	4.98	63.66
1,1-DMC5	8.84	46.64	6.58	41.74	4.64	56.70	6.70	45.86
3-MC6	22.56	222.14	15.46	190.85	10.78	262.36	14.10	206.54
DMCyC5	9.69	59.06	6.68	50.15	5.29	74.64	6.69	54.75
DMCyC5	10.83	69.56	7.44	59.33	5.76	85.63	7.35	64.18
DMCyC5	16.16	97.50	11.16	82.91	8.48	119.43	11.01	88.87
n-Heptane	23.24	398.68	20.24	349.49	19.01	747.32	17.51	410.93
MCyC6	166.25	894.66	118.03	759.65	96.81	1170.83	115.04	803.51
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	25.61	0.00	23.17	0.00	21.52	0.00	22.10
2,4-DMC6	7.27	65.28	4.76	55.99	4.03	71.47	4.34	56.74
TMCyC5	3.78	40.44	0.00	37.39	0.00	37.11	0.00	35.78
TMCyC5	0.00	21.94	0.00	20.65	0.00	19.02	0.00	19.30
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	42.07	79.02	44.78	83.27	29.16	86.89	30.65	56.42
TMCyC5	0.00	18.48	0.00	16.69	0.00	17.17	0.00	15.80
2,3-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-Et, 2-MC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MC7	7.91	138.78	6.01	127.15	2.77	130.90	4.30	120.73
4-MC7	0.00	48.23	0.00	43.70	0.00	48.06	0.00	42.46
3,4-DMC6	0.00	8.91	0.00	8.10	0.00	8.14	0.00	7.59
3-MC7	7.24	111.66	4.80	99.83	2.66	113.25	3.73	97.67
DMCyC6	12.71	112.32	8.33	97.82	5.61	126.35	7.54	97.33
DMCyC6	6.02	52.94	3.90	45.17	2.74	60.88	3.71	46.56
DMCyC6	3.61	26.18	0.00	22.34	0.00	27.77	0.00	22.35
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.00	12.04	0.00	9.78	0.00	8.84	0.00	9.61
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	12.44	227.03	10.13	201.97	6.90	353.33	7.77	208.41
? RI= 806	3.19	24.00	0.00	20.18	0.00	27.51	0.00	20.52
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 820	0.00	8.54	0.00	8.05	0.00	6.64	0.00	7.21
? RI= 826	0.00	11.39	0.00	10.56	0.00	8.68	0.00	9.55
DMCyC6?	0.00	44.07	0.00	43.15	0.00	33.92	0.00	37.72
EtCyC6	9.28	83.20	6.24	73.84	3.81	85.72	5.37	70.22
unsp. Napht	0.00	28.44	0.00	28.30	0.00	20.91	0.00	24.22
? RI= 846	0.00	0.00	0.00	6.86	0.00	0.00	0.00	0.00
EtBenzene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 859	0.00	21.15	0.00	20.28	0.00	16.78	0.00	18.39
m+p-Xylene	8.01	75.85	7.15	67.66	4.83	73.63	5.79	58.39
4-+2-MC8?	0.00	33.45	0.00	30.64	0.00	28.52	0.00	27.74
? RI= 883	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene	0.00	0.00	0.00	0.00	0.00	6.81	0.00	0.00
? RI= 891	0.00	7.27	0.00	6.35	0.00	0.00	0.00	0.00
MC8+C4CyC6	0.00	13.57	0.00	12.51	0.00	13.26	0.00	11.54
C4CyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Nonane	0.00	64.39	0.00	58.22	0.00	88.95	0.00	54.18
SUM:	35876.8	12793.6	46275.5	13184.2	31463.2	17304.6	35580.7	12445.7

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

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

IKU-ID DEPTH	384701 1650m H	384702 1650m O	384711 1660m H	384712 1660m O	384721 1670m H	384722 1670m O	384731 1680m H	384732 1680m O
COMPOUND								
Methane	14270.49	1200.48	15367.07	814.41	13409.57	69.26	9966.02	597.09
Ethene	0.00	51.85	0.00	62.32	0.00	4.86	87.06	43.10
Ethane	5042.51	531.56	5013.36	335.06	4563.11	32.45	3562.85	119.70
Propene	0.00	18.70	0.00	24.43	0.00	1.91	0.00	16.91
Propane	4251.34	1571.00	4738.98	1182.87	4339.65	97.28	3952.56	345.13
i-Butane	681.75	694.10	881.31	626.14	861.50	47.51	797.89	120.22
? RI= 360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	1456.87	1979.32	1950.65	1818.51	1833.10	137.62	1711.53	456.32
2,2-DMC3	11.10	28.16	16.61	28.54	18.72	2.40	20.44	0.00
i-Pentane	409.85	1388.65	655.59	1557.19	682.87	119.86	667.79	326.88
n-Pentane	408.40	1832.40	678.50	2091.09	656.13	153.50	605.53	471.52
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	12.53	88.18	21.66	106.14	24.87	8.88	30.32	27.28
CyC5	33.10	62.03	44.78	61.39	41.00	4.17	41.00	14.95
2,3-DMC4	22.49	169.87	39.08	210.03	43.69	16.94	49.05	52.78
2-MC5	108.22	1034.31	198.81	1320.42	203.76	100.55	211.35	302.98
3-MC5	66.95	579.06	119.40	729.45	123.21	55.19	129.14	172.27
n-Hexane	101.80	1492.75	189.95	1867.55	176.80	132.68	168.69	404.59
2,2-DMC5	3.08	52.59	6.10	74.79	7.26	6.74	9.93	26.53
MCyC5	101.82	440.27	151.76	493.81	152.08	35.45	165.15	134.16
2,4-DMC5	5.79	97.07	11.27	137.42	12.55	11.89	14.78	42.49
TMC4	0.00	12.39	0.00	16.63	0.00	1.64	0.00	0.00
Benzene	64.55	36.94	86.66	33.59	74.21	2.59	109.01	19.42
3,3-DMC5	0.00	28.61	0.00	39.55	4.64	3.36	0.00	13.68
CyC6	204.59	743.02	304.25	841.39	307.15	60.86	345.51	238.04
2-MC6	25.49	494.12	50.89	712.57	51.65	57.04	55.09	211.69
2,3-DMC5	9.91	148.04	18.48	203.60	19.31	16.22	22.68	65.02
1,1-DMC5	12.90	103.45	21.81	130.52	22.01	9.38	24.54	35.40
3-MC6	30.60	516.57	59.15	736.03	59.50	57.67	63.04	218.74
DMCyC5	12.81	114.91	21.14	143.02	20.35	9.96	23.38	41.18
DMCyC5	14.47	138.87	24.25	177.95	23.60	12.72	27.21	52.86
DMCyC5	21.00	184.79	34.22	228.40	33.17	15.95	39.32	68.70
n-Heptane	23.23	914.89	45.38	1214.54	42.82	89.71	47.86	357.25
MCyC6	206.60	1467.34	338.09	1859.50	339.91	135.50	421.13	649.10
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	48.80	0.00	77.06	4.14	7.59	0.00	41.81
2,4-DMC6	9.23	117.54	16.12	170.13	16.50	14.24	19.46	74.64
TMCyC5	5.59	89.08	9.98	123.73	9.66	9.40	10.77	46.74
TMCyC5	3.67	58.08	6.18	77.37	5.72	4.57	0.00	25.28
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	61.27	79.66	89.94	89.78	69.57	6.42	96.53	43.28
TMCyC5	0.00	35.11	0.00	53.22	0.00	4.68	0.00	25.62
2,3-DMC6	0.00	7.91	0.00	10.25	0.00	0.84	0.00	0.00
3-Et,2-MC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MC7	9.48	275.34	18.95	419.42	20.09	37.57	21.75	200.58
4-MC7	3.61	95.18	7.31	146.61	7.70	13.16	0.00	71.97
3,4-DMC6	0.00	18.01	0.00	26.90	0.00	2.29	0.00	12.12
3-MC7	9.28	216.47	18.08	332.34	19.32	29.77	20.71	166.07
DMCyC6	18.08	210.07	30.24	280.93	27.86	19.79	33.69	109.98
DMCyC6	8.89	100.08	15.11	134.65	14.09	10.41	16.52	59.87
DMCyC6	5.18	47.92	8.92	65.61	9.38	5.04	11.35	28.13
DMCyC6?	0.00	0.00	0.00	7.78	0.00	0.00	0.00	0.00
DMCyC6	0.00	15.40	0.00	20.15	0.00	1.41	0.00	11.76
? RI= 797	0.00	0.00	0.00	7.36	0.00	0.00	0.00	0.00
n-Octane	14.00	420.31	23.33	540.40	23.73	43.86	30.03	264.65
? RI= 806	4.62	55.34	7.65	74.85	7.46	5.39	0.00	23.22
? RI= 815	0.00	0.00	0.00	8.35	0.00	0.62	0.00	0.00
? RI= 820	0.00	13.40	0.00	20.70	0.00	2.68	0.00	17.13
? RI= 826	0.00	18.49	0.00	30.99	0.00	3.14	0.00	23.72
DMCyC6?	0.00	76.76	0.00	116.31	5.04	11.17	0.00	81.25
EtCyC6	13.50	142.02	23.23	201.33	22.97	16.94	28.28	122.47
unsp. Napht	4.48	57.02	7.94	84.25	8.54	7.32	0.00	47.04
? RI= 846	0.00	14.14	0.00	20.97	0.00	1.75	0.00	9.84
EtBenzene	0.00	7.91	0.00	10.63	0.00	0.82	0.00	0.00
? RI= 859	0.00	40.93	0.00	56.19	4.27	4.82	0.00	32.49
m+p-Xylene	13.63	104.62	21.69	148.51	22.09	14.17	21.11	111.31
4-+2-MC8?	0.00	52.48	4.80	76.60	5.16	7.88	0.00	61.06
? RI= 883	0.00	10.64	0.00	14.11	0.00	1.18	0.00	8.39
o-Xylene	3.21	7.53	5.23	9.39	4.21	0.73	0.00	0.00
? RI= 891	0.00	12.98	0.00	17.07	0.00	1.45	0.00	9.84
MC8+C4CyC6	0.00	23.77	0.00	32.52	0.00	2.73	0.00	18.71
C4CyC6?	0.00	11.19	0.00	15.47	0.00	1.27	0.00	7.88
n-Nonane	0.00	96.48	0.00	110.73	0.00	10.47	0.00	87.31
SUM:	27801.9	20796.9	31403.9	23511.5	28455.7	1817.3	23680.1	7490.1

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS (microliters gas per kg dry sediment)								
IKU-ID	384741	384742	384751	384752	384761	384762	384771	384772
DEPTH	1690m H	1690m O	1700m H	1700m O	1710m H	1710m O	1720m H	1720m O
COMPOUND								
Methane	13031.64	740.85	12050.31	971.23	8808.03	657.98	10291.53	868.43
Ethene	73.73	32.51	0.00	49.71	0.00	26.73	0.00	35.75
Ethane	4923.87	694.47	3713.91	484.25	2543.51	390.11	3259.03	274.15
Propene	0.00	12.42	0.00	23.14	0.00	0.00	0.00	0.00
Propane	3099.96	1279.38	2551.42	874.74	1354.25	686.86	2049.22	510.63
i-Butane	399.27	281.17	368.85	185.55	155.66	118.18	304.79	121.83
? RI= 360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	741.12	883.27	714.95	623.53	293.13	423.64	531.46	421.54
2,2-DMC3	0.00	9.40	0.00	0.00	0.00	0.00	6.69	0.00
i-Pentane	186.25	362.82	201.85	254.80	70.50	135.35	147.95	198.70
n-Pentane	141.37	426.22	157.32	326.73	51.40	175.09	108.81	261.15
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	8.08	24.39	9.31	17.29	0.00	8.20	6.38	14.86
CyC5	17.87	20.92	14.92	19.50	8.03	11.93	13.56	14.73
2,3-DMC4	11.47	38.84	13.57	29.56	0.00	13.59	8.82	25.04
2-MC5	37.34	170.73	48.71	133.75	18.16	59.20	29.18	116.42
3-MC5	24.30	99.54	30.38	80.60	11.95	36.20	19.09	69.77
n-Hexane	28.86	227.39	26.00	191.32	7.89	83.30	21.92	188.03
2,2-DMC5	0.00	15.54	0.00	11.32	0.00	0.00	0.00	9.56
MCyC5	49.55	112.15	50.50	114.61	24.09	59.07	43.18	101.26
2,4-DMC5	0.00	22.15	0.00	16.83	0.00	0.00	0.00	14.82
TMC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	49.32	28.17	31.02	42.17	21.58	26.02	22.21	20.85
3,3-DMC5	0.00	7.57	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	118.49	204.67	101.58	213.15	53.15	120.59	95.77	194.49
2-MC6	9.20	89.54	11.58	74.81	0.00	26.30	7.35	72.89
2,3-DMC5	0.00	28.39	0.00	25.51	0.00	9.86	0.00	23.82
1,1-DMC5	0.00	16.84	0.00	16.51	0.00	0.00	0.00	14.35
3-MC6	10.71	87.10	14.07	76.38	7.00	27.61	8.71	75.80
DMCyC5	0.00	18.33	0.00	20.49	0.00	9.02	4.18	19.18
DMCyC5	0.00	22.75	6.70	24.99	0.00	10.80	4.69	23.16
DMCyC5	8.99	31.50	10.46	36.25	6.33	16.36	7.23	32.24
n-Heptane	10.07	215.48	8.26	195.04	0.00	64.07	6.40	182.73
MCyC6	109.07	319.31	109.22	379.75	66.04	185.45	87.65	375.82
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	16.29	0.00	13.56	0.00	0.00	0.00	10.43
2,4-DMC6	0.00	29.35	0.00	29.56	0.00	10.05	0.00	26.66
TMCyC5	0.00	15.99	0.00	16.08	0.00	0.00	0.00	14.69
TMCyC5	0.00	6.48	0.00	7.75	0.00	0.00	0.00	7.31
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	28.82	30.80	17.52	53.13	14.07	25.59	14.38	33.40
TMCyC5	0.00	9.30	0.00	9.26	0.00	0.00	0.00	8.27
2,3-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-Et, 2-MC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MC7	0.00	73.81	0.00	71.21	0.00	18.39	0.00	61.86
4-MC7	0.00	25.97	0.00	25.06	0.00	0.00	0.00	22.49
3,4-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MC7	0.00	60.24	0.00	59.78	0.00	15.95	0.00	53.63
DMCyC6	8.93	39.15	9.52	48.93	7.95	18.18	6.94	49.65
DMCyC6	0.00	17.32	0.00	22.15	0.00	0.00	0.00	22.79
DMCyC6	0.00	9.55	0.00	11.99	0.00	0.00	0.00	11.16
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	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	9.10	177.29	8.15	195.04	5.61	52.09	5.65	149.95
? RI= 806	0.00	7.89	0.00	11.09	0.00	0.00	0.00	11.50
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 820	0.00	6.96	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 826	0.00	8.29	0.00	8.74	0.00	0.00	0.00	0.00
DMCyC6?	0.00	27.71	0.00	31.22	0.00	0.00	0.00	17.55
EtCyC6	7.57	42.13	6.44	53.35	6.53	15.77	5.41	45.63
unsp. Napht	0.00	12.87	0.00	16.15	0.00	0.00	0.00	14.41
? RI= 846	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EtBenzene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 859	0.00	10.11	0.00	12.90	0.00	0.00	0.00	11.12
m+p-Xylene	0.00	44.13	0.00	56.88	0.00	8.52	0.00	40.22
4-+2-MC8?	0.00	21.33	0.00	26.50	0.00	0.00	0.00	19.63
? RI= 883	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 891	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MC8+C4CyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C4CyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Nonane	0.00	66.66	0.00	89.32	0.00	19.30	0.00	57.84
SUM:	23144.9	7283.4	20286.5	6383.2	13535.2	3565.6	17118.2	4972.2

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS (microliters gas per kg dry sediment)								
IKU-ID DEPTH	384781 1730m H	384782 1730m O	384791 1740m H	384792 1740m O	384801 1750m H	384802 1750m O	384811 1760m H	384812 1760m O
COMPOUND								
Methane	7580.85	591.77	7987.04	585.73	16677.29	449.89	29245.76	1301.18
Ethene	0.00	25.88	57.40	25.11	0.00	0.00	0.00	39.72
Ethane	3274.11	286.54	2635.07	108.85	4836.90	211.19	4281.43	693.80
Propene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Propane	2137.97	713.20	2112.87	348.72	2453.04	492.93	3082.46	658.80
i-Butane	273.44	156.97	392.03	109.73	261.30	90.73	654.47	166.20
? RI= 360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	505.20	543.59	751.79	425.78	466.66	318.82	1126.23	561.96
2,2-DMC3	0.00	0.00	0.00	0.00	0.00	0.00	20.58	0.00
i-Pentane	109.63	187.72	260.83	205.93	95.58	94.30	432.59	302.70
n-Pentane	81.04	237.76	196.51	292.27	63.83	127.44	321.28	390.00
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	0.00	12.09	12.74	14.09	0.00	0.00	21.91	24.68
CyC5	13.28	16.32	26.16	15.48	11.74	8.81	35.46	19.14
2,3-DMC4	0.00	19.77	19.29	25.80	0.00	8.28	32.18	43.00
2-MC5	17.40	84.77	62.55	124.44	15.08	37.13	109.08	206.56
3-MC5	11.94	51.76	41.88	73.88	10.71	24.39	70.83	121.22
n-Hexane	13.19	117.74	44.55	187.81	8.37	58.90	90.64	308.82
2,2-DMC5	0.00	0.00	0.00	8.76	0.00	0.00	0.00	16.40
MCyC5	33.52	84.58	108.87	115.22	30.78	46.33	167.73	165.70
2,4-DMC5	0.00	9.71	0.00	14.31	0.00	0.00	8.04	27.32
TMC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	27.54	28.69	43.49	15.96	23.82	20.60	53.23	23.54
3,3-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.92
CyC6	78.32	161.63	218.31	191.62	67.64	81.48	298.06	254.94
2-MC6	0.00	43.01	17.43	66.04	0.00	21.89	27.57	127.48
2,3-DMC5	0.00	15.92	0.00	23.32	0.00	7.76	12.71	43.16
1,1-DMC5	0.00	11.07	0.00	13.98	0.00	0.00	14.84	25.12
3-MC6	0.00	45.67	20.95	69.84	0.00	24.34	32.84	132.38
DMCyC5	0.00	13.77	11.08	21.47	0.00	0.00	18.72	37.86
DMCyC5	0.00	16.39	12.40	25.11	0.00	9.06	20.52	44.36
DMCyC5	0.00	24.48	18.82	35.06	0.00	13.22	30.46	60.88
n-Heptane	0.00	93.22	16.14	145.60	0.00	45.96	26.88	260.60
MCyC6	61.63	264.26	232.31	384.55	59.11	144.83	365.18	629.64
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	0.00	0.00	8.93	0.00	0.00	0.00	16.92
2,4-DMC6	0.00	17.67	9.57	26.07	0.00	10.46	16.42	46.66
TMCyC5	0.00	10.49	0.00	13.71	0.00	0.00	0.00	24.44
TMCyC5	0.00	0.00	0.00	7.09	0.00	0.00	0.00	13.54
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	16.13	32.14	36.32	26.80	13.50	22.60	47.66	36.20
TMCyC5	0.00	0.00	0.00	0.00	0.00	10.46	0.00	13.50
2,3-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-Et, 2-MC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MC7	0.00	38.99	0.00	50.70	0.00	26.25	9.41	92.64
4-MC7	0.00	13.39	0.00	18.27	0.00	8.77	0.00	34.46
3,4-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MC7	0.00	32.71	9.82	44.21	0.00	21.02	11.45	83.10
DMCyC6	0.00	34.91	19.54	49.79	0.00	21.84	28.41	92.40
DMCyC6	0.00	15.11	8.70	22.34	0.00	9.32	13.78	44.28
DMCyC6	0.00	7.88	0.00	10.74	0.00	0.00	7.70	20.22
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	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	83.26	17.16	110.79	0.00	50.48	20.47	187.52
? RI= 806	0.00	7.98	0.00	11.86	0.00	0.00	8.88	23.08
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 820	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 826	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.98
DMCyC6?	0.00	10.62	0.00	14.56	0.00	8.49	0.00	32.86
EtCyC6	0.00	27.90	15.02	40.53	0.00	20.79	22.08	72.64
unsp. Napht	0.00	9.34	0.00	12.73	0.00	10.26	0.00	21.08
? RI= 846	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EtBenzene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 859	0.00	8.13	0.00	10.03	0.00	0.00	0.00	17.88
m+p-Xylene	0.00	28.16	0.00	32.73	0.00	14.25	12.65	54.90
4-t-2-MC8?	0.00	13.88	0.00	16.19	0.00	11.50	0.00	27.34
? RI= 883	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 891	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MC8+C4CyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.90
C4CyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Nonane	0.00	34.10	0.00	37.10	0.00	22.51	0.00	57.64
SUM:	14235.2	4285.0	15416.6	4239.6	25095.3	2607.3	40800.6	7731.3

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS (microliters gas per kg dry sediment)								
IKU-ID	384821	384822	384831	384832	384841	384842	384851	384852
DEPTH	1770m H	1770m O	1780m H	1780m O	1790m H	1790m O	1800m H	1800m O
COMPOUND								
Methane	71457.35	1434.51	103243.21	4439.90	25260.61	853.93	25023.32	1118.05
Ethene	0.00	30.50	0.00	34.86	0.00	28.03	0.00	26.69
Ethane	6645.73	1326.36	10137.23	5384.63	5121.34	1156.11	5068.08	1862.77
Propene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Propane	2410.18	1676.32	2672.81	4369.53	2073.62	1590.71	1921.19	2020.83
i-Butane	349.27	293.01	214.31	436.97	177.82	194.99	149.19	198.21
? RI= 360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	525.36	894.57	335.78	1138.56	302.04	636.63	275.75	657.54
2,2-DMC3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Pentane	162.80	279.96	64.18	212.54	50.07	133.18	43.16	123.29
n-Pentane	97.36	323.93	41.05	204.50	34.41	160.77	29.47	141.57
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	10.98	18.60	0.00	9.41	0.00	0.00	0.00	0.00
CyC5	16.06	23.21	6.43	13.52	0.00	11.23	0.00	10.28
2,3-DMC4	13.65	28.99	0.00	14.17	0.00	11.69	0.00	9.71
2-MC5	37.95	110.42	14.31	47.82	10.36	46.90	0.00	37.87
3-MC5	25.49	67.82	8.98	27.93	6.67	27.51	0.00	22.44
n-Hexane	25.54	151.77	7.67	52.60	0.00	56.19	0.00	40.88
2,2-DMC5	0.00	9.37	0.00	0.00	0.00	0.00	0.00	0.00
MCyC5	58.01	120.12	17.04	41.73	14.35	44.46	14.28	36.62
2,4-DMC5	0.00	14.32	0.00	0.00	0.00	0.00	0.00	0.00
TMC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	37.28	48.23	12.80	22.26	12.29	22.87	14.76	21.24
3,3-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	122.85	203.57	34.82	68.19	30.21	77.69	32.94	64.55
2-MC6	13.32	57.66	0.00	12.41	0.00	23.76	0.00	12.75
2,3-DMC5	0.00	22.77	0.00	0.00	0.00	9.22	0.00	0.00
1,1-DMC5	0.00	15.34	0.00	0.00	0.00	0.00	0.00	0.00
3-MC6	15.21	59.93	5.59	11.99	0.00	24.09	0.00	13.32
DMCyC5	0.00	19.05	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC5	0.00	22.55	0.00	0.00	0.00	8.02	0.00	0.00
DMCyC5	12.98	33.02	0.00	7.62	0.00	11.69	0.00	9.14
n-Heptane	11.04	110.59	0.00	19.24	0.00	34.60	0.00	18.11
MCyC6	156.27	343.36	43.46	71.21	37.65	119.68	37.70	87.30
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	9.77	0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6	0.00	24.46	0.00	0.00	0.00	9.13	0.00	0.00
TMCyC5	0.00	13.80	0.00	0.00	0.00	0.00	0.00	0.00
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	21.42	41.79	5.61	8.95	0.00	13.74	0.00	10.35
TMCyC5	0.00	8.02	0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-Et, 2-MC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MC7	0.00	51.39	0.00	7.16	0.00	19.05	0.00	7.98
4-MC7	0.00	18.37	0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MC7	0.00	46.13	0.00	0.00	0.00	15.78	0.00	0.00
DMCyC6	16.42	49.25	0.00	0.00	0.00	15.28	0.00	8.12
DMCyC6	0.00	22.71	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.00	11.89	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	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	13.39	103.90	0.00	11.34	0.00	26.02	0.00	13.06
? RI= 806	0.00	12.51	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 820	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 826	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6?	0.00	16.06	0.00	0.00	0.00	0.00	0.00	0.00
EtCyC6	12.93	42.49	0.00	0.00	0.00	12.57	0.00	0.00
unsp. Napht	0.00	13.36	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 846	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EtBenzene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 859	0.00	12.68	0.00	0.00	0.00	0.00	0.00	0.00
m+p-Xylene	0.00	39.29	0.00	0.00	0.00	0.00	0.00	0.00
4-+2-MC8?	0.00	19.03	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 883	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 891	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MC8+C4CyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C4CyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Nonane	0.00	46.48	0.00	0.00	0.00	7.66	0.00	0.00
SUM:	82268.9	8343.2	116865.3	16669.0	33131.4	5403.2	32609.8	6972.7

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

IKU-ID DEPTH	YIELD OF HEADSPACE (H) GAS (microliters gas per liter of mud)					
	m u d s a m p l e s					
	384861 790m H	384871 1015m H	384881 1250m H	384891 1500m H	384901 1750m H	384911 1800m H
COMPOUND						
Methane	11620.93	249418.69	35599.85	63119.20	56634.85	18414.88
Ethene	0.00	0.00	0.00	386.20	0.00	165.38
Ethane	852.81	21600.38	3593.96	6638.30	2344.55	1607.66
Propene	0.00	0.00	0.00	0.00	38.75	0.00
Propane	451.79	17651.31	4981.98	4500.00	1303.50	1381.22
i-Butane	94.16	2833.66	1016.83	848.70	239.85	265.54
? RI= 360	0.00	447.44	1401.63	0.00	0.00	0.00
Butane	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	138.69	7639.97	3278.42	2052.60	542.00	660.21
2,2-DMC3	0.00	45.47	0.00	0.00	0.00	0.00
i-Pentane	0.00	1957.70	1033.78	658.70	166.20	203.93
n-Pentane	0.00	2083.14	1250.30	696.10	181.55	246.23
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	0.00	51.63	30.19	0.00	0.00	0.00
CyC5	0.00	308.06	145.63	85.00	18.60	0.00
2,3-DMC4	0.00	107.52	73.56	49.70	0.00	0.00
2-MC5	0.00	586.66	429.57	258.10	83.25	111.25
3-MC5	0.00	363.44	259.89	159.00	50.00	65.35
n-Hexane	0.00	400.46	358.16	185.50	33.70	52.97
2,2-DMC5	0.00	0.00	0.00	0.00	0.00	0.00
MCyC5	0.00	835.30	488.25	313.00	79.70	98.87
2,4-DMC5	0.00	38.86	29.90	0.00	0.00	0.00
TMC4	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.00	234.81	134.24	156.00	30.10	43.04
3,3-DMC5	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	0.00	885.75	626.04	482.20	128.10	153.82
2-MC6	0.00	162.51	130.83	98.40	34.95	53.04
2,3-DMC5	0.00	81.48	64.01	41.90	0.00	23.87
1,1-DMC5	0.00	62.83	53.72	0.00	0.00	0.00
3-MC6	0.00	213.64	165.17	125.60	50.60	72.01
DMCyC5	0.00	135.69	96.64	60.90	18.40	24.48
DMCyC5	0.00	149.91	106.04	69.20	22.00	29.38
DMCyC5	0.00	264.66	170.64	106.90	32.50	42.57
n-Heptane	0.00	159.99	145.85	70.70	0.00	0.00
MCyC6	0.00	1128.29	1007.51	811.10	281.35	367.06
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6	0.00	121.74	69.56	61.00	19.55	26.93
TMCyC5	0.00	60.59	46.03	0.00	0.00	0.00
TMCyC5	0.00	69.72	44.84	0.00	0.00	0.00
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.00	273.73	174.57	195.70	41.50	58.00
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC6	0.00	0.00	0.00	0.00	0.00	0.00
3-Et, 2-MC5	0.00	0.00	0.00	0.00	0.00	0.00
2-MC7	0.00	73.02	60.24	46.70	0.00	23.12
4-MC7	0.00	31.25	0.00	0.00	0.00	0.00
3,4-DMC6	0.00	0.00	0.00	0.00	0.00	0.00
3-MC7	0.00	74.09	56.09	52.60	24.15	35.43
DMCyC6	0.00	152.04	135.86	114.80	51.25	69.90
DMCyC6	0.00	66.42	62.16	51.80	22.75	31.08
DMCyC6	0.00	44.07	36.63	0.00	0.00	0.00
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.00	62.55	35.82	0.00	0.00	0.00
? RI= 797	0.00	19.49	0.00	0.00	0.00	0.00
n-Octane	0.00	151.87	129.43	94.10	34.40	47.33
? RI= 806	0.00	34.50	31.45	0.00	0.00	0.00
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 820	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 826	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6?	0.00	22.34	0.00	0.00	0.00	0.00
EtCyC6	0.00	107.63	97.01	86.70	39.55	57.26
unsp. Napht	0.00	49.84	38.70	0.00	0.00	0.00
? RI= 846	0.00	0.00	0.00	0.00	0.00	0.00
EtBenzene	0.00	32.82	0.00	0.00	0.00	0.00
? RI= 859	0.00	31.25	0.00	0.00	0.00	0.00
m+p-Xylene	0.00	109.76	57.72	67.50	0.00	0.00
4-+2-MC8?	0.00	27.05	0.00	0.00	0.00	0.00
? RI= 883	0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene	0.00	20.83	0.00	0.00	0.00	0.00
? RI= 891	0.00	0.00	0.00	0.00	0.00	0.00
MC8+C4CyC6	0.00	0.00	0.00	0.00	0.00	0.00
C4CyC6?	0.00	0.00	0.00	0.00	0.00	0.00
n-Nonane	0.00	36.57	0.00	0.00	0.00	0.00
SUM:	13158.4	311522.4	57748.7	82743.9	62547.7	24431.8

Table 3: Composition of headspace and occluded gas.

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

IKU-ID DEPTH	COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS (volume percent of hydrocarbons)							
	383741 690m H	383742 690m O	383751 700m H	383752 700m O	383761 710m H	383762 710m O	383771 720m H	383772 720m O
COMPOUND								
Methane	68.51	11.24	67.70	11.93	72.82	23.29	76.90	11.72
Ethene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ethane	20.48	14.26	20.38	13.26	17.26	12.56	15.66	16.18
Propene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Propane	8.41	33.37	9.01	33.12	7.31	23.92	5.90	34.93
i-Butane	1.18	9.74	1.32	9.97	1.18	7.86	0.67	9.22
? RI= 360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	1.07	15.91	1.20	16.76	1.05	13.13	0.73	14.74
2,2-DMC3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Pentane	0.13	3.11	0.14	3.20	0.13	2.87	0.00	2.20
n-Pentane	0.15	4.94	0.16	5.34	0.15	5.16	0.00	4.14
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	0.00	0.30	0.00	0.00	0.00	0.31	0.00	0.29
Cyc5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC4	0.00	0.29	0.00	0.00	0.00	0.31	0.00	0.00
2-MC5	0.00	1.16	0.00	1.14	0.00	1.37	0.00	0.89
3-MC5	0.00	0.60	0.00	0.57	0.00	0.70	0.00	0.44
n-Hexane	0.00	1.50	0.00	1.55	0.00	2.11	0.00	1.41
2,2-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.08	0.59	0.08	0.74	0.09	0.77	0.15	0.84
3,3-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	0.00	1.25	0.00	1.14	0.00	1.53	0.00	1.15
2-MC6	0.00	0.00	0.00	0.00	0.00	0.42	0.00	0.25
2,3-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,1-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MC6	0.00	0.28	0.00	0.00	0.00	0.46	0.00	0.28
DMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Heptane	0.00	0.47	0.00	0.44	0.00	0.92	0.00	0.55
MCyC6	0.00	1.00	0.00	0.85	0.00	1.47	0.00	0.76
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMCyC5	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
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-Et,2-MC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-MC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	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	0.50	0.00	0.00
? RI= 806	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 820	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 826	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EtCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
unsp.Napht	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 846	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EtBenzene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 859	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
m+p-Xylene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-+2-MC8?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 883	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 891	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MC8+C4CyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C4CyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Nonane	0.00	0.00	0.00	0.00	0.00	0.36	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)	4241.8	1246.7	4529.9	1083.4	4042.8	1101.0	3162.6	1377.7

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

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

IKU-ID DEPTH	383781 730m H	383782 730m O	383791 740m H	383792 740m O	383801 750m H	383802 750m O	383811 760m H	383812 760m O
COMPOUND								
Methane	80.98	14.69	81.19	16.04	82.48	18.94	81.71	17.62
Ethene	0.00	0.00	0.00	1.53	0.00	0.00	0.00	0.00
Ethane	13.85	21.10	14.12	22.38	13.64	29.92	13.72	30.54
Propene	0.00	0.00	0.00	1.12	0.00	0.00	0.00	0.00
Propane	4.28	36.47	3.90	35.88	3.34	34.00	3.89	35.68
i-Butane	0.43	8.18	0.34	7.28	0.26	5.87	0.31	5.66
? RI= 360	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00
Butene	0.00	0.00	0.00	0.61	0.00	0.00	0.00	0.00
n-Butane	0.46	12.89	0.35	11.29	0.28	8.86	0.33	8.70
2,2-DMC3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Pentane	0.00	1.51	0.00	1.10	0.00	0.69	0.00	0.57
n-Pentane	0.00	2.68	0.00	1.87	0.00	1.20	0.02	0.85
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MC5	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00
3-MC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Hexane	0.00	0.60	0.00	0.30	0.00	0.00	0.00	0.00
2,2-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.00	0.63	0.00	0.27	0.00	0.32	0.02	0.37
3,3-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	0.00	0.58	0.00	0.32	0.00	0.18	0.00	0.00
2-MC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,1-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC5	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
MCyC6	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMCyC5	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
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-Et, 2-MC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-MC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6?	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
? RI= 806	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 820	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 826	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EtCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
unsp. Napht	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 846	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EtBenzene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 859	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
m+p-Xylene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-+2-MC8?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 883	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 891	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MC8+C4CyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C4CyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Nonane	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)	6291.7	1732.7	6511.3	1578.1	17559.3	1910.7	22906.1	2177.7

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

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

IKU-ID DEPTH	383821 770m H	383822 770m O	383831 780m H	383832 780m O	383841 790m H	383842 790m O	383851 800m H	383852 800m O
COMPOUND								
Methane	75.91	26.54	73.97	10.76	84.25	30.50	81.30	12.70
Ethene	0.00	2.73	0.00	0.00	0.00	0.34	0.00	0.00
Ethane	16.69	7.64	17.42	19.68	12.50	26.90	13.77	29.56
Propane	0.00	1.23	0.00	0.00	0.00	0.00	0.00	0.00
Propane	6.33	34.95	7.36	44.94	2.83	28.74	4.21	38.85
i-Butane	0.48	8.20	0.55	7.96	0.19	4.25	0.32	5.83
? RI= 360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Butane	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	0.58	15.06	0.70	13.67	0.23	7.43	0.36	10.86
2,2-DMC3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Pentane	0.00	1.17	0.00	0.95	0.00	0.56	0.02	0.79
n-Pentane	0.00	1.86	0.00	1.41	0.00	0.76	0.02	1.01
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Hexane	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.00	0.33	0.00	0.64	0.00	0.38	0.01	0.40
3,3-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	0.00	0.30	0.00	0.00	0.00	0.14	0.00	0.00
2-MC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,1-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC5	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
MCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMCyC5	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
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-Et,2-MC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-MC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	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
? RI= 806	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 820	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 826	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EtCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
unsp. Napht	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 846	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EtBenzene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 859	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
m+p-Xylene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-+2-MC8?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 883	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 891	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MC8+C4CyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C4CyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Nonane	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)	4535.4	1194.5	3864.4	1440.8	20835.5	3195.2	40170.6	1906.8

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS (volume percent of hydrocarbons)								
IKU-ID DEPTH	383861 810m H	383862 810m O	383871 820m H	383872 820m O	383881 830m H	383882 830m O	383891 840m H	383892 840m O
COMPOUND								
Methane	81.06	16.06	80.45	11.96	60.30	8.36	76.87	14.21
Ethene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ethane	14.52	28.78	14.74	27.98	19.58	11.66	14.80	22.51
Propene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Propane	3.80	36.42	4.15	38.69	14.85	38.70	5.95	36.73
i-Butane	0.25	5.43	0.29	5.86	1.62	8.33	0.54	5.77
? RI= 360	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	0.33	10.56	0.38	12.19	2.49	20.63	0.91	14.32
2,2-DMC3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Pentane	0.00	0.95	0.00	1.23	0.27	3.70	0.08	2.12
n-Pentane	0.00	1.09	0.00	1.34	0.21	3.98	0.07	2.26
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC5	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.17
2,3-DMC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MC5	0.00	0.00	0.00	0.00	0.00	0.57	0.00	0.25
3-MC5	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00
n-Hexane	0.00	0.00	0.00	0.00	0.00	0.53	0.00	0.26
2,2-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.03	0.51	0.00	0.53	0.41	1.03	0.12	0.58
3,3-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	0.00	0.19	0.00	0.21	0.11	1.09	0.05	0.46
2-MC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,1-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC5	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
MCyC6	0.00	0.00	0.00	0.00	0.00	0.34	0.00	0.14
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMCyC5	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	0.17	0.52	0.05	0.21
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-Et,2-MC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-MC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	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
? RI= 806	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 820	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 826	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EtCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
unsp.Napht	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 846	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EtBenzene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 859	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
m+p-Xylene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-+2-MC8?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 883	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 891	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MC8+C4CyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C4CyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Nonane	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)	25037.0	2643.9	17684.7	2366.0	4014.9	1422.5	9367.0	2697.6

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS		(volume percent of hydrocarbons)							
IKU-ID	383901	383902	383911	383912	383921	383922	383931	383932	
DEPTH	850m H	850m O	860m H	860m O	870m H	870m O	880m H	880m O	
COMPOUND									
Methane	77.18	15.06	61.39	39.52	58.40	26.20	57.78	16.23	
Ethene	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00	
Ethane	16.07	25.62	13.21	4.89	15.89	7.52	18.27	12.01	
Propene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Propane	5.32	36.65	14.15	12.81	15.11	20.24	15.66	31.90	
i-Butane	0.39	5.61	2.33	3.54	2.07	4.12	1.57	4.83	
? RI= 360	0.27	0.00	1.03	0.00	1.79	0.00	1.77	0.00	
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
n-Butane	0.60	12.39	4.05	11.04	3.82	15.61	3.18	18.44	
2,2-DMC3	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	
i-Pentane	0.05	1.72	0.97	3.97	0.78	4.57	0.46	3.92	
n-Pentane	0.04	1.65	0.67	5.05	0.57	6.12	0.35	5.03	
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,2-DMC4?	0.00	0.00	0.00	0.32	0.04	0.29	0.00	0.14	
CyC5	0.00	0.13	0.13	0.31	0.10	0.40	0.09	0.39	
2,3-DMC4	0.00	0.00	0.06	0.46	0.04	0.43	0.00	0.23	
2-MC5	0.00	0.17	0.20	1.94	0.13	1.86	0.05	0.97	
3-MC5	0.00	0.00	0.11	1.01	0.07	1.00	0.00	0.54	
n-Hexane	0.00	0.18	0.11	2.08	0.10	2.03	0.04	1.03	
2,2-DMC5	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00	
MCyC5	0.00	0.00	0.17	0.84	0.13	0.99	0.09	0.73	
2,4-DMC5	0.00	0.00	0.00	0.24	0.00	0.18	0.00	0.00	
TMC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Benzene	0.07	0.39	0.38	0.54	0.25	0.61	0.26	0.37	
3,3-DMC5	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	
CyC6	0.00	0.31	0.48	1.79	0.31	1.87	0.21	1.21	
2-MC6	0.00	0.00	0.00	0.69	0.00	0.55	0.00	0.15	
2,3-DMC5	0.00	0.00	0.00	0.35	0.00	0.28	0.00	0.00	
1,1-DMC5	0.00	0.00	0.00	0.18	0.00	0.15	0.00	0.00	
3-MC6	0.00	0.00	0.00	0.71	0.00	0.56	0.00	0.16	
DMCyC5	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	
DMCyC5	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00	
DMCyC5	0.00	0.00	0.00	0.17	0.00	0.16	0.00	0.00	
n-Heptane	0.00	0.00	0.00	0.93	0.00	0.71	0.00	0.20	
MCyC6	0.00	0.00	0.34	2.40	0.20	2.22	0.10	0.95	
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,5-DMC6	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00	
2,4-DMC6	0.00	0.00	0.00	0.19	0.00	0.00	0.00	0.00	
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Toluene	0.00	0.11	0.23	0.57	0.15	0.59	0.13	0.37	
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,3-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
3-Et, 2-MC5	0.00	0.00	0.00	0.39	0.00	0.24	0.00	0.00	
2-MC7	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00	
4-MC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,4-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
3-MC7	0.00	0.00	0.00	0.29	0.00	0.18	0.00	0.00	
DMCyC6	0.00	0.00	0.00	0.19	0.00	0.00	0.00	0.00	
DMCyC6	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	
DMCyC6	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
DMCyC6	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	0.47	0.00	0.30	0.00	0.00	
? RI= 806	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
? RI= 820	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
? RI= 826	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
EtCyC6	0.00	0.00	0.00	0.21	0.00	0.00	0.00	0.00	
unsp.Napht	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00	
? RI= 846	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
EtBenzene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
? RI= 859	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
m+p-Xylene	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	
4-+2-MC8?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
? RI= 883	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
o-Xylene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
? RI= 891	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
MC8+C4CyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
C4CyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
n-Nonane	0.00	0.00	0.00	0.12	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)	17541.0	4246.3	6276.1	3799.0	10829.3	2324.5	9503.9	2897.1	

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS (volume percent of hydrocarbons)								
IKU-ID	383941	383942	383951	383952	383961	383962	383971	383972
DEPTH	890m H	890m O	900m H	900m O	910m H	910m O	920m H	920m O
COMPOUND								
Methane	63.19	10.38	67.46	7.37	58.78	7.26	56.76	7.48
Ethene	0.00	0.48	0.00	0.32	0.00	0.35	0.00	0.29
Ethane	16.51	11.60	13.58	4.95	14.73	5.03	13.44	4.52
Propene	0.00	0.00	0.00	0.10	0.00	0.12	0.00	0.09
Propane	13.09	32.46	9.60	10.11	13.99	15.87	14.90	13.60
i-Butane	1.25	5.17	1.54	2.61	1.93	3.82	2.32	3.69
? RI= 360	1.23	0.00	0.34	0.00	0.76	0.00	0.39	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	2.88	20.82	2.97	9.00	4.47	15.13	5.58	14.55
2,2-DMC3	0.00	0.00	0.03	0.11	0.00	0.12	0.04	0.12
i-Pentane	0.40	4.42	0.84	4.53	1.03	5.74	1.34	6.20
n-Pentane	0.33	5.72	0.58	5.67	0.77	7.64	1.12	8.58
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	0.00	0.14	0.03	0.35	0.03	0.32	0.04	0.31
CyC5	0.10	0.47	0.12	0.37	0.18	0.55	0.22	0.61
2,3-DMC4	0.00	0.24	0.05	0.63	0.05	0.58	0.06	0.59
2-MC5	0.00	1.05	0.16	3.05	0.18	2.82	0.25	3.22
3-MC5	0.00	0.60	0.11	1.84	0.13	1.69	0.16	1.91
n-Hexane	0.00	1.15	0.09	4.49	0.11	3.70	0.19	4.48
2,2-DMC5	0.00	0.00	0.00	0.24	0.00	0.17	0.00	0.19
MCyC5	0.10	0.91	0.29	2.31	0.37	2.40	0.49	2.84
2,4-DMC5	0.00	0.00	0.00	0.40	0.00	0.28	0.00	0.28
TMC4	0.00	0.00	0.00	0.10	0.00	0.07	0.00	0.05
Benzene	0.39	0.87	0.35	0.54	0.46	0.59	0.35	0.44
3,3-DMC5	0.00	0.00	0.00	0.15	0.00	0.11	0.00	0.09
CyC6	0.21	1.32	0.56	3.45	0.64	3.12	0.70	3.26
2-MC6	0.00	0.14	0.03	1.94	0.04	1.19	0.04	1.19
2,3-DMC5	0.00	0.00	0.02	0.69	0.00	0.48	0.02	0.49
1,1-DMC5	0.00	0.00	0.02	0.40	0.00	0.30	0.03	0.32
3-MC6	0.00	0.15	0.04	2.07	0.05	1.30	0.05	1.34
DMCyC5	0.00	0.00	0.03	0.58	0.03	0.47	0.05	0.58
DMCyC5	0.00	0.00	0.03	0.70	0.04	0.54	0.05	0.65
DMCyC5	0.00	0.12	0.05	0.98	0.06	0.80	0.08	1.03
n-Heptane	0.00	0.20	0.02	4.18	0.00	2.17	0.05	2.31
MCyC6	0.11	1.05	0.31	8.73	0.59	5.99	0.60	5.98
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	0.00	0.02	0.26	0.00	0.14	0.03	0.58
2,4-DMC6	0.00	0.00	0.00	0.71	0.00	0.45	0.00	0.00
TMCyC5	0.00	0.00	0.00	0.36	0.00	0.23	0.00	0.25
TMCyC5	0.00	0.00	0.00	0.23	0.00	0.18	0.00	0.25
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.20	0.54	0.30	0.92	0.40	0.89	0.33	0.78
TMCyC5	0.00	0.00	0.00	0.20	0.00	0.12	0.00	0.10
2,3-DMC6	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.04
3-Et,2-MC5	0.00	0.00	0.01	1.40	0.00	0.73	0.02	0.66
2-MC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-MC7	0.00	0.00	0.00	0.52	0.00	0.26	0.00	0.22
3,4-DMC6	0.00	0.00	0.00	0.10	0.00	0.06	0.00	0.05
3-MC7	0.00	0.00	0.02	1.28	0.00	0.64	0.00	0.52
DMCyC6	0.00	0.00	0.04	1.35	0.04	0.77	0.04	0.75
DMCyC6	0.00	0.00	0.02	0.67	0.00	0.37	0.02	0.35
DMCyC6	0.00	0.00	0.00	0.32	0.00	0.20	0.00	0.20
DMCyC6?	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00
DMCyC6	0.00	0.00	0.00	0.14	0.00	0.12	0.00	0.18
? RI= 797	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.06
n-Octane	0.00	0.00	0.02	2.98	0.03	1.38	0.04	1.21
? RI= 806	0.00	0.00	0.00	0.40	0.00	0.20	0.00	0.21
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 820	0.00	0.00	0.00	0.08	0.00	0.05	0.00	0.04
? RI= 826	0.00	0.00	0.00	0.12	0.00	0.06	0.00	0.05
DMCyC6?	0.00	0.00	0.00	0.39	0.00	0.23	0.00	0.21
EtCyC6	0.00	0.00	0.03	1.03	0.03	0.56	0.03	0.51
unsp. Napht	0.00	0.00	0.00	0.28	0.00	0.17	0.00	0.17
? RI= 846	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.05
EtBenzene	0.00	0.00	0.01	0.09	0.00	0.06	0.02	0.09
? RI= 859	0.00	0.00	0.00	0.24	0.00	0.13	0.00	0.12
m+p-Xylene	0.00	0.00	0.08	0.94	0.08	0.55	0.08	0.48
4-+2-MC8?	0.00	0.00	0.00	0.38	0.00	0.20	0.00	0.15
? RI= 883	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.04
o-Xylene	0.00	0.00	0.02	0.09	0.00	0.07	0.03	0.07
? RI= 891	0.00	0.00	0.00	0.10	0.00	0.05	0.00	0.05
MC8+C4CyC6	0.00	0.00	0.00	0.20	0.00	0.09	0.00	0.07
C4CyC6?	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00
n-Nonane	0.00	0.00	0.00	0.86	0.00	0.36	0.00	0.26
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:								
ppm (vol)	7376.8	3272.3	27172.4	10094.0	12524.0	7247.4	20870.7	10665.5

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS (volume percent of hydrocarbons)								
IKU-ID DEPTH	383981 930m H	383982 930m O	383991 940m H	383992 940m O	384001 950m H	384002 950m O	384011 960m H	384012 960m O
COMPOUND								
Methane	50.46	3.53	59.09	5.66	58.72	5.15	63.38	6.13
Ethane	0.00	0.14	0.00	0.15	0.00	0.14	0.00	0.20
Ethene	13.60	2.98	14.66	4.97	14.04	4.65	14.08	4.68
Propene	0.00	0.05	0.00	0.05	0.00	0.05	0.00	0.06
Propane	16.93	12.28	14.41	15.04	14.13	14.59	12.41	14.43
i-Butane	2.76	5.01	1.95	4.94	1.98	4.50	1.42	4.29
? RI= 360	0.17	0.00	0.09	0.03	0.24	0.03	0.17	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	7.31	16.44	5.07	16.48	5.36	16.41	4.23	16.30
2,2-DMC3	0.05	0.19	0.03	0.16	0.03	0.14	0.01	0.11
i-Pentane	1.70	8.39	0.98	7.47	1.14	7.26	0.75	6.92
n-Pentane	1.67	10.33	0.89	9.14	1.08	9.39	0.78	9.42
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	0.04	0.37	0.02	0.31	0.02	0.28	0.01	0.23
CyC5	0.30	0.73	0.21	0.74	0.22	0.78	0.21	0.86
2,3-DMC4	0.08	0.68	0.04	0.58	0.05	0.56	0.03	0.53
2-MC5	0.35	3.90	0.16	3.33	0.21	3.37	0.14	3.33
3-MC5	0.23	2.25	0.10	1.95	0.14	2.00	0.09	2.00
n-Hexane	0.34	5.29	0.12	4.44	0.18	4.47	0.12	4.39
2,2-DMC5	0.00	0.14	0.00	0.12	0.00	0.11	0.00	0.09
MCyC5	0.66	3.21	0.37	2.93	0.44	3.21	0.38	3.46
2,4-DMC5	0.02	0.29	0.01	0.25	0.01	0.25	0.00	0.24
TMC4	0.00	0.06	0.00	0.05	0.00	0.04	0.00	0.04
Benzene	0.28	0.24	0.27	0.31	0.21	0.31	0.24	0.34
3,3-DMC5	0.00	0.08	0.00	0.07	0.00	0.07	0.00	0.06
CyC6	0.81	3.19	0.48	2.93	0.52	3.02	0.43	3.00
2-MC6	0.07	1.20	0.02	1.02	0.04	1.01	0.02	0.95
2,3-DMC5	0.03	0.47	0.01	0.42	0.02	0.44	0.01	0.45
1,1-DMC5	0.04	0.30	0.02	0.27	0.02	0.29	0.02	0.29
3-MC6	0.09	1.34	0.03	1.16	0.05	1.19	0.03	1.18
DMCyC5	0.07	0.61	0.03	0.54	0.04	0.63	0.04	0.69
DMCyC5	0.07	0.66	0.03	0.60	0.05	0.70	0.04	0.77
DMCyC5	0.13	1.08	0.06	0.99	0.09	1.19	0.08	1.37
n-Heptane	0.09	2.51	0.02	2.12	0.04	2.08	0.03	1.89
MCyC6	0.73	4.75	0.34	4.17	0.41	4.35	0.32	4.11
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.05	0.52	0.02	0.47	0.03	0.53	0.03	0.57
2,4-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMCyC5	0.02	0.23	0.00	0.21	0.01	0.26	0.01	0.29
TMCyC5	0.02	0.26	0.01	0.24	0.01	0.32	0.01	0.39
TMCyC5	0.00	0.02	0.00	0.02	0.00	0.03	0.00	0.03
Toluene	0.33	0.52	0.24	0.51	0.21	0.59	0.23	0.58
TMCyC5	0.00	0.08	0.00	0.07	0.00	0.07	0.00	0.07
2,3-DMC6	0.00	0.03	0.00	0.03	0.00	0.03	0.00	0.04
3-Et,2-MC5	0.03	0.59	0.01	0.52	0.02	0.54	0.01	0.50
2-MC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-MC7	0.01	0.19	0.00	0.17	0.00	0.17	0.00	0.16
3,4-DMC6	0.00	0.04	0.00	0.04	0.00	0.04	0.00	0.04
3-MC7	0.02	0.44	0.01	0.38	0.01	0.39	0.00	0.35
DMCyC6	0.06	0.57	0.02	0.51	0.03	0.56	0.03	0.55
DMCyC6	0.03	0.26	0.01	0.23	0.02	0.25	0.01	0.25
DMCyC6	0.02	0.15	0.01	0.14	0.01	0.15	0.01	0.17
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.02	0.18	0.01	0.17	0.01	0.23	0.01	0.27
? RI= 797	0.01	0.05	0.00	0.05	0.00	0.06	0.00	0.07
n-Octane	0.06	1.09	0.02	0.95	0.03	0.96	0.02	0.82
? RI= 806	0.02	0.16	0.00	0.14	0.01	0.16	0.00	0.17
? RI= 815	0.00	0.02	0.00	0.02	0.00	0.03	0.00	0.04
? RI= 820	0.00	0.03	0.00	0.02	0.00	0.03	0.00	0.03
? RI= 826	0.00	0.05	0.00	0.04	0.00	0.05	0.00	0.05
DMCyC6?	0.00	0.17	0.00	0.16	0.00	0.18	0.00	0.18
EtCyC6	0.04	0.36	0.02	0.32	0.02	0.36	0.02	0.33
unsp.Napht	0.01	0.12	0.00	0.11	0.01	0.14	0.01	0.16
? RI= 846	0.00	0.04	0.00	0.04	0.00	0.06	0.00	0.07
EtBenzene	0.02	0.08	0.02	0.07	0.02	0.10	0.02	0.11
? RI= 859	0.00	0.09	0.00	0.09	0.00	0.10	0.00	0.10
m+p-Xylene	0.11	0.38	0.06	0.33	0.06	0.36	0.06	0.31
4-+2-MC8?	0.01	0.12	0.00	0.12	0.00	0.12	0.00	0.11
? RI= 883	0.00	0.03	0.00	0.02	0.00	0.03	0.00	0.03
o-Xylene	0.03	0.06	0.02	0.05	0.02	0.06	0.02	0.05
? RI= 891	0.00	0.05	0.00	0.04	0.00	0.06	0.00	0.06
MC8+C4CyC6	0.00	0.06	0.00	0.05	0.00	0.06	0.00	0.05
C4CyC6?	0.00	0.03	0.00	0.03	0.00	0.04	0.00	0.03
n-Nonane	0.01	0.26	0.00	0.23	0.00	0.23	0.00	0.17
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:								
ppm (vol)	39371.4	21945.2	50334.5	28786.0	48518.2	24604.0	45136.2	20506.9

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS (volume percent of hydrocarbons)								
IKU-ID DEPTH	384021 970m H	384022 970m O	384031 980m H	384032 980m O	384041 990m H	384042 990m O	384051 1000m H	384052 1000m O
COMPOUND								
Methane	55.84	4.12	57.37	4.89	54.48	3.05	52.49	3.77
Ethene	0.00	0.07	0.00	0.06	0.00	0.07	0.00	0.11
Ethane	20.65	9.56	21.14	11.70	20.60	7.04	16.46	4.94
Propene	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.04
Propane	14.58	25.79	13.77	28.10	15.12	24.46	16.10	18.61
i-Butane	1.39	6.07	1.23	6.12	1.48	6.72	2.20	6.17
? RI= 360	0.00	0.00	0.09	0.00	0.31	0.00	0.22	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
n-Butane	3.90	20.11	3.43	19.63	4.16	21.89	6.11	20.69
2,2-DMC3	0.01	0.13	0.01	0.12	0.01	0.15	0.03	0.17
i-Pentane	0.61	6.21	0.52	5.68	0.63	6.76	1.15	7.60
n-Pentane	0.65	7.64	0.53	6.82	0.65	8.24	1.20	9.64
? RI= 509	0.00	0.02	0.00	0.01	0.00	0.02	0.00	0.02
2,2-DMC4?	0.01	0.15	0.01	0.14	0.01	0.18	0.02	0.24
CyC5	0.18	0.71	0.15	0.62	0.18	0.74	0.27	0.80
2,3-DMC4	0.02	0.34	0.02	0.29	0.02	0.37	0.05	0.48
2-MC5	0.12	2.14	0.10	1.80	0.12	2.27	0.23	2.90
3-MC5	0.08	1.25	0.06	1.04	0.08	1.32	0.15	1.68
n-Hexane	0.10	2.49	0.07	2.09	0.10	2.73	0.22	3.73
2,2-DMC5	0.00	0.05	0.00	0.04	0.00	0.05	0.00	0.08
MCyC5	0.30	2.03	0.24	1.69	0.30	2.13	0.50	2.64
2,4-DMC5	0.00	0.14	0.00	0.11	0.00	0.14	0.01	0.19
TMC4	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.03
Benzene	0.30	0.36	0.23	0.33	0.36	0.37	0.40	0.36
3,3-DMC5	0.00	0.03	0.00	0.02	0.00	0.03	0.00	0.05
CyC6	0.32	1.57	0.25	1.32	0.33	1.72	0.58	2.24
2-MC6	0.02	0.48	0.02	0.38	0.02	0.51	0.04	0.72
2,3-DMC5	0.01	0.25	0.01	0.20	0.01	0.25	0.02	0.32
1,1-DMC5	0.01	0.15	0.01	0.12	0.01	0.15	0.02	0.20
3-MC6	0.03	0.61	0.03	0.49	0.03	0.63	0.06	0.85
DMCyC5	0.03	0.37	0.03	0.29	0.03	0.36	0.05	0.46
DMCyC5	0.03	0.41	0.03	0.32	0.03	0.40	0.05	0.51
DMCyC5	0.07	0.74	0.06	0.59	0.06	0.72	0.10	0.88
n-Heptane	0.02	0.84	0.02	0.68	0.02	0.93	0.05	1.39
MCyC6	0.23	1.75	0.19	1.43	0.25	1.92	0.47	2.75
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.03	0.29	0.02	0.23	0.03	0.29	0.04	0.37
2,4-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMCyC5	0.01	0.17	0.01	0.13	0.01	0.16	0.01	0.19
TMCyC5	0.01	0.23	0.01	0.17	0.01	0.21	0.02	0.24
TMCyC5	0.00	0.02	0.00	0.01	0.00	0.02	0.00	0.02
Toluene	0.26	0.39	0.19	0.34	0.31	0.45	0.39	0.51
TMCyC5	0.00	0.03	0.00	0.03	0.00	0.04	0.00	0.05
2,3-DMC6	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.03
3-Et,2-MC5	0.01	0.22	0.01	0.18	0.01	0.24	0.02	0.33
2-MC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-MC7	0.00	0.07	0.00	0.06	0.00	0.08	0.00	0.11
3,4-DMC6	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.03
3-MC7	0.00	0.11	0.01	0.13	0.00	0.17	0.02	0.24
DMCyC6	0.02	0.24	0.02	0.20	0.03	0.26	0.04	0.35
DMCyC6	0.01	0.10	0.01	0.09	0.01	0.11	0.02	0.16
DMCyC6	0.01	0.08	0.00	0.06	0.00	0.08	0.01	0.10
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.01	0.14	0.01	0.11	0.01	0.14	0.02	0.17
? RI= 797	0.00	0.03	0.00	0.02	0.00	0.03	0.00	0.04
n-Octane	0.02	0.31	0.02	0.25	0.02	0.34	0.03	0.53
? RI= 806	0.00	0.08	0.00	0.07	0.00	0.08	0.00	0.11
? RI= 815	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.02
? RI= 820	0.00	0.02	0.00	0.01	0.00	0.01	0.00	0.02
? RI= 826	0.00	0.03	0.00	0.02	0.00	0.02	0.00	0.03
DMCyC6?	0.00	0.09	0.00	0.06	0.00	0.08	0.00	0.11
EtCyC6	0.01	0.14	0.01	0.11	0.02	0.15	0.03	0.21
unsp. Napht	0.01	0.10	0.01	0.07	0.01	0.09	0.00	0.10
? RI= 846	0.00	0.04	0.00	0.03	0.00	0.04	0.00	0.05
EtBenzene	0.02	0.06	0.01	0.05	0.02	0.06	0.02	0.08
? RI= 859	0.00	0.05	0.00	0.04	0.00	0.05	0.00	0.06
m+p-Xylene	0.03	0.14	0.04	0.12	0.06	0.16	0.09	0.22
4-+2-MC8?	0.00	0.05	0.00	0.04	0.00	0.05	0.00	0.07
? RI= 883	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.02
o-Xylene	0.02	0.02	0.01	0.02	0.02	0.03	0.02	0.03
? RI= 891	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.03
MC8+C4CyC6	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.03
C4CyC6?	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.01
n-Nonane	0.00	0.04	0.00	0.04	0.00	0.05	0.00	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)	57037.8	57407.3	80734.8	66323.4	43173.7	45609.9	34209.2	37887.6

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS		(volume percent of hydrocarbons)							
IKU-ID DEPTH	384061 1010m H	384062 1010m O	384071 1020m H	384072 1020m O	384081 1030m H	384082 1030m O	384091 1040m H	384092 1040m O	
COMPOUND									
Methane	52.80	3.72	65.01	6.39	56.32	4.73	46.43	2.81	
Ethene	0.00	0.14	0.00	0.11	0.00	0.13	0.00	0.13	
Ethane	15.46	4.30	15.45	8.61	15.10	4.84	14.27	2.75	
Propene	0.00	0.04	0.00	0.03	0.00	0.04	0.00	0.05	
Propane	16.94	16.99	11.26	20.55	15.38	15.85	20.26	15.85	
i-Butane	2.40	5.78	1.38	5.25	2.27	5.21	3.33	6.37	
? RI= 360	0.11	0.00	0.06	0.03	0.20	0.03	0.14	0.00	
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
n-Butane	6.27	19.44	3.61	18.05	5.58	17.82	7.98	20.10	
2,2-DMC3	0.03	0.16	0.02	0.13	0.04	0.15	0.04	0.17	
i-Pentane	1.19	7.80	0.67	6.53	1.14	7.67	1.65	8.80	
n-Pentane	1.17	9.96	0.65	8.27	1.07	9.73	1.53	10.79	
? RI= 509	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	
2,2-DMC4?	0.02	0.26	0.01	0.20	0.02	0.28	0.03	0.30	
CyC5	0.26	0.82	0.14	0.77	0.19	0.78	0.29	0.72	
2,3-DMC4	0.05	0.52	0.02	0.42	0.04	0.55	0.06	0.59	
2-MC5	0.20	3.05	0.11	2.50	0.20	3.24	0.27	3.43	
3-MC5	0.13	1.78	0.07	1.47	0.12	1.89	0.18	1.95	
n-Hexane	0.17	4.04	0.09	3.22	0.18	4.26	0.25	4.40	
2,2-DMC5	0.00	0.09	0.00	0.07	0.00	0.10	0.00	0.10	
MCyC5	0.47	2.89	0.25	2.43	0.36	2.94	0.54	2.71	
2,4-DMC5	0.01	0.21	0.01	0.17	0.01	0.23	0.00	0.22	
TMC4	0.01	0.04	0.00	0.03	0.00	0.04	0.00	0.04	
Benzene	0.31	0.37	0.18	0.44	0.25	0.37	0.40	0.32	
3,3-DMC5	0.00	0.05	0.00	0.04	0.00	0.06	0.00	0.06	
CyC6	0.55	2.61	0.28	2.12	0.42	2.73	0.68	2.54	
2-MC6	0.03	0.81	0.02	0.65	0.03	0.91	0.04	0.88	
2,3-DMC5	0.02	0.36	0.01	0.30	0.02	0.39	0.02	0.37	
1,1-DMC5	0.02	0.24	0.01	0.19	0.02	0.26	0.03	0.25	
3-MC6	0.05	0.95	0.03	0.78	0.04	1.06	0.06	1.00	
DMCyC5	0.04	0.50	0.02	0.43	0.04	0.54	0.05	0.49	
DMCyC5	0.05	0.55	0.03	0.47	0.04	0.59	0.05	0.53	
DMCyC5	0.08	0.95	0.05	0.83	0.07	1.00	0.09	0.86	
n-Heptane	0.04	1.60	0.02	1.26	0.04	1.81	0.05	1.69	
MCyC6	0.43	3.41	0.21	2.61	0.32	3.78	0.56	3.66	
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,5-DMC6	0.03	0.05	0.00	0.00	0.00	0.06	0.00	0.06	
2,4-DMC6	0.00	0.36	0.02	0.35	0.03	0.38	0.03	0.31	
TMCyC5	0.01	0.20	0.01	0.18	0.01	0.22	0.00	0.19	
TMCyC5	0.01	0.25	0.01	0.23	0.01	0.26	0.00	0.21	
TMCyC5	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.02	
Toluene	0.31	0.58	0.15	0.53	0.23	0.56	0.39	0.52	
TMCyC5	0.00	0.06	0.00	0.05	0.00	0.06	0.00	0.06	
2,3-DMC6	0.00	0.03	0.00	0.02	0.00	0.03	0.00	0.02	
3-Et,2-MC5	0.02	0.39	0.01	0.32	0.01	0.45	0.02	0.39	
2-MC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4-MC7	0.00	0.13	0.00	0.10	0.00	0.14	0.00	0.12	
3,4-DMC6	0.00	0.03	0.00	0.03	0.00	0.04	0.00	0.03	
3-MC7	0.01	0.29	0.01	0.23	0.01	0.32	0.01	0.28	
DMCyC6	0.04	0.42	0.02	0.34	0.03	0.47	0.04	0.42	
DMCyC6	0.02	0.19	0.01	0.15	0.01	0.21	0.02	0.20	
DMCyC6	0.01	0.12	0.01	0.10	0.01	0.13	0.00	0.12	
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
DMCyC6	0.01	0.17	0.01	0.16	0.01	0.18	0.00	0.13	
? RI= 797	0.01	0.05	0.00	0.04	0.00	0.05	0.00	0.04	
n-Octane	0.03	0.66	0.01	0.51	0.02	0.75	0.03	0.65	
? RI= 806	0.01	0.13	0.00	0.10	0.01	0.13	0.00	0.12	
? RI= 815	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.02	
? RI= 820	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.02	
? RI= 826	0.00	0.04	0.00	0.03	0.00	0.04	0.00	0.03	
DMCyC6?	0.00	0.13	0.00	0.11	0.00	0.14	0.00	0.12	
EtCyC6	0.03	0.26	0.01	0.20	0.02	0.28	0.03	0.25	
unsp.Napht	0.01	0.12	0.00	0.10	0.00	0.12	0.00	0.10	
? RI= 846	0.00	0.04	0.00	0.04	0.00	0.04	0.00	0.03	
EtBenzene	0.02	0.08	0.01	0.07	0.01	0.08	0.02	0.06	
? RI= 859	0.00	0.07	0.00	0.06	0.00	0.08	0.00	0.06	
m+p-Xylene	0.07	0.27	0.04	0.22	0.05	0.28	0.08	0.23	
4-+2-MC8?	0.01	0.08	0.00	0.07	0.00	0.09	0.00	0.07	
? RI= 883	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.02	
o-Xylene	0.02	0.05	0.01	0.04	0.01	0.04	0.02	0.04	
? RI= 891	0.00	0.04	0.00	0.04	0.00	0.04	0.00	0.03	
MC8+C4CyC6	0.00	0.04	0.00	0.03	0.00	0.04	0.00	0.03	
C4CyC6?	0.00	0.03	0.00	0.02	0.00	0.03	0.00	0.00	
n-Nonane	0.00	0.13	0.00	0.10	0.00	0.15	0.00	0.10	
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Values used for normalisation: ppm (vol)	47047.5	24794.5	103710.9	40214.4	54812.4	22752.9	24071.8	20398.8	

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS		(volume percent of hydrocarbons)							
IKU-ID DEPTH	384101 1050m H	384102 1050m O	384111 1060m H	384112 1060m O	384121 1070m H	384122 1070m O	384131 1080m H	384132 1080m O	
COMPOUND									
Methane	50.95	2.81	49.70	2.72	47.48	2.66	48.65	2.52	
Ethene	0.00	0.14	0.00	0.14	0.00	0.14	0.00	0.16	
Ethane	13.29	2.76	13.56	2.64	14.66	2.96	14.86	3.37	
Propene	0.00	0.05	0.00	0.05	0.00	0.05	0.00	0.06	
Propane	18.96	15.39	19.63	15.82	20.56	16.66	20.21	18.14	
i-Butane	3.12	6.28	3.21	6.57	3.31	6.42	3.22	6.59	
? RI= 360	0.34	0.03	0.36	0.00	0.34	0.03	0.27	0.00	
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
n-Butane	7.09	19.39	7.21	19.86	7.34	19.85	6.97	20.63	
2,2-DMC3	0.05	0.18	0.05	0.18	0.05	0.16	0.04	0.17	
i-Pentane	1.46	8.58	1.49	8.69	1.46	8.39	1.41	8.47	
n-Pentane	1.37	10.60	1.39	10.44	1.33	10.14	1.26	10.11	
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,2-DMC4?	0.03	0.31	0.03	0.31	0.03	0.29	0.03	0.28	
CyC5	0.20	0.68	0.20	0.66	0.21	0.67	0.19	0.65	
2,3-DMC4	0.06	0.59	0.06	0.60	0.05	0.57	0.05	0.56	
2-MC5	0.26	3.49	0.28	3.48	0.24	3.33	0.23	3.18	
3-MC5	0.16	1.97	0.17	1.95	0.15	1.89	0.14	1.80	
n-Hexane	0.23	4.64	0.24	4.50	0.24	4.31	0.22	4.01	
2,2-DMC5	0.00	0.11	0.00	0.11	0.00	0.11	0.00	0.10	
MCyC5	0.40	2.68	0.40	2.59	0.40	2.60	0.36	2.44	
2,4-DMC5	0.01	0.24	0.01	0.23	0.00	0.22	0.01	0.20	
TMC4	0.00	0.04	0.00	0.04	0.00	0.04	0.00	0.03	
Benzene	0.20	0.29	0.22	0.26	0.30	0.32	0.25	0.31	
3,3-DMC5	0.00	0.06	0.00	0.06	0.00	0.06	0.00	0.06	
CyC6	0.47	2.57	0.46	2.54	0.52	2.58	0.46	2.45	
2-MC6	0.05	0.97	0.05	0.95	0.04	0.91	0.04	0.82	
2,3-DMC5	0.02	0.38	0.02	0.38	0.02	0.37	0.02	0.34	
1,1-DMC5	0.02	0.26	0.03	0.26	0.02	0.26	0.02	0.24	
3-MC6	0.06	1.07	0.07	1.04	0.05	1.01	0.05	0.91	
DMCyC5	0.04	0.50	0.04	0.49	0.04	0.49	0.04	0.44	
DMCyC5	0.05	0.54	0.05	0.53	0.04	0.53	0.04	0.47	
DMCyC5	0.08	0.87	0.08	0.82	0.07	0.84	0.06	0.75	
n-Heptane	0.05	1.93	0.05	1.86	0.06	1.78	0.05	1.57	
MCyC6	0.44	3.91	0.42	3.85	0.44	3.87	0.40	3.53	
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,5-DMC6	0.00	0.06	0.00	0.06	0.00	0.06	0.00	0.05	
2,4-DMC6	0.03	0.32	0.03	0.30	0.03	0.31	0.02	0.27	
TMCyC5	0.01	0.20	0.01	0.19	0.00	0.20	0.01	0.17	
TMCyC5	0.01	0.21	0.01	0.20	0.00	0.21	0.01	0.18	
TMCyC5	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.00	
Toluene	0.20	0.52	0.23	0.47	0.28	0.53	0.22	0.47	
TMCyC5	0.00	0.06	0.00	0.06	0.00	0.06	0.00	0.05	
2,3-DMC6	0.00	0.03	0.00	0.02	0.00	0.03	0.00	0.02	
3-Et,2-MC5	0.02	0.45	0.02	0.44	0.02	0.43	0.02	0.38	
2-MC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4-MC7	0.01	0.14	0.00	0.14	0.00	0.14	0.00	0.12	
3,4-DMC6	0.00	0.03	0.00	0.03	0.00	0.03	0.00	0.03	
3-MC7	0.02	0.33	0.02	0.32	0.01	0.31	0.01	0.27	
DMCyC6	0.04	0.47	0.04	0.46	0.04	0.47	0.03	0.41	
DMCyC6	0.02	0.21	0.02	0.21	0.02	0.21	0.02	0.19	
DMCyC6	0.01	0.12	0.01	0.12	0.00	0.12	0.01	0.11	
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
DMCyC6	0.01	0.13	0.01	0.12	0.00	0.13	0.00	0.11	
? RI= 797	0.00	0.04	0.00	0.04	0.00	0.04	0.00	0.03	
n-Octane	0.04	0.77	0.03	0.76	0.03	0.74	0.03	0.63	
? RI= 806	0.01	0.13	0.00	0.12	0.00	0.13	0.00	0.11	
? RI= 815	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	
? RI= 820	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.02	
? RI= 826	0.00	0.03	0.00	0.03	0.00	0.03	0.00	0.03	
DMCyC6?	0.00	0.13	0.00	0.13	0.00	0.13	0.00	0.05	
EtCyC6	0.03	0.28	0.02	0.27	0.03	0.27	0.02	0.21	
unsp.Napht	0.01	0.10	0.00	0.10	0.00	0.11	0.00	0.08	
? RI= 846	0.00	0.03	0.00	0.03	0.00	0.03	0.00	0.02	
EtBenzene	0.01	0.06	0.01	0.06	0.01	0.06	0.01	0.05	
? RI= 859	0.00	0.07	0.00	0.07	0.00	0.07	0.00	0.06	
m+p-Xylene	0.04	0.27	0.04	0.25	0.06	0.27	0.05	0.22	
4-+2-MC8?	0.01	0.08	0.00	0.08	0.00	0.08	0.00	0.07	
? RI= 883	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.00	
o-Xylene	0.01	0.04	0.01	0.04	0.01	0.04	0.01	0.03	
? RI= 891	0.00	0.04	0.00	0.03	0.00	0.03	0.00	0.03	
MC8+C4CyC6	0.00	0.04	0.00	0.03	0.00	0.03	0.00	0.03	
C4CyC6?	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	
n-Nonane	0.00	0.15	0.00	0.14	0.00	0.13	0.00	0.11	
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Values used for normalisation: ppm (vol)	48953.3	21919.3	41358.6	21716.2	30956.1	19874.3	40705.0	18422.2	

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

IKU-ID DEPTH	COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS				(volume percent of hydrocarbons)			
	384141 1090m H	384142 1090m O	384151 1100m H	384152 1100m O	384161 1110m H	384162 1110m O	384171 1120m H	384172 1120m O
COMPOUND								
Methane	52.72	4.24	49.48	3.48	51.30	2.99	40.77	2.68
Ethene	0.00	0.41	0.00	0.20	0.00	0.17	0.00	0.15
Ethane	15.15	4.23	16.92	4.33	16.49	4.75	15.41	2.92
Propene	0.00	0.23	0.00	0.07	0.00	0.06	0.00	0.06
Propane	18.56	19.57	19.55	20.18	19.01	21.51	23.25	16.06
i-Butane	2.57	6.53	2.56	6.35	2.59	6.66	3.92	6.08
? RI= 360	0.46	0.04	0.36	0.00	0.28	0.00	0.44	0.04
Butene	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	5.87	19.67	6.07	20.16	5.78	20.71	8.74	19.13
2,2-DMC3	0.03	0.14	0.03	0.14	0.03	0.14	0.05	0.14
i-Pentane	1.11	8.01	1.18	8.05	1.12	8.15	1.95	8.85
n-Pentane	0.97	9.25	1.04	9.45	0.95	9.29	1.66	10.15
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	0.02	0.25	0.02	0.24	0.02	0.24	0.04	0.29
CyC5	0.18	0.60	0.19	0.63	0.17	0.60	0.23	0.61
2,3-DMC4	0.04	0.51	0.04	0.51	0.04	0.50	0.07	0.61
2-MC5	0.17	2.95	0.19	2.98	0.18	2.90	0.33	3.69
3-MC5	0.11	1.67	0.12	1.69	0.11	1.63	0.20	2.05
n-Hexane	0.15	3.52	0.15	3.51	0.14	3.31	0.29	4.23
2,2-DMC5	0.00	0.09	0.00	0.09	0.00	0.08	0.00	0.12
MCyC5	0.32	2.23	0.36	2.29	0.30	2.12	0.47	2.46
2,4-DMC5	0.00	0.18	0.00	0.18	0.00	0.17	0.01	0.26
TMC4	0.00	0.03	0.00	0.03	0.00	0.03	0.00	0.04
Benzene	0.22	0.32	0.26	0.38	0.23	0.36	0.23	0.32
3,3-DMC5	0.00	0.05	0.00	0.05	0.00	0.05	0.00	0.07
CyC6	0.42	2.25	0.47	2.32	0.39	2.12	0.57	2.42
2-MC6	0.03	0.76	0.03	0.74	0.03	0.69	0.05	1.03
2,3-DMC5	0.02	0.32	0.02	0.32	0.01	0.30	0.03	0.42
1,1-DMC5	0.02	0.24	0.02	0.25	0.02	0.24	0.04	0.32
3-MC6	0.04	0.84	0.04	0.83	0.04	0.78	0.06	1.13
DMCyC5	0.03	0.42	0.04	0.43	0.03	0.39	0.05	0.52
DMCyC5	0.03	0.45	0.04	0.46	0.03	0.42	0.05	0.57
DMCyC5	0.05	0.71	0.06	0.73	0.05	0.66	0.08	0.85
n-Heptane	0.03	1.39	0.03	1.31	0.03	1.21	0.06	1.79
MCyC6	0.35	3.29	0.39	3.33	0.32	3.03	0.50	3.97
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	0.05	0.00	0.05	0.00	0.05	0.00	0.08
2,4-DMC6	0.02	0.25	0.02	0.25	0.02	0.22	0.03	0.31
TMCyC5	0.00	0.17	0.00	0.17	0.00	0.15	0.01	0.23
TMCyC5	0.00	0.17	0.00	0.18	0.00	0.16	0.01	0.22
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Toluene	0.19	0.43	0.20	0.48	0.17	0.42	0.19	0.47
TMCyC5	0.00	0.05	0.00	0.05	0.00	0.05	0.00	0.07
2,3-DMC6	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.03
3-Et, 2-MC5	0.01	0.37	0.00	0.34	0.01	0.31	0.02	0.52
2-MC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-MC7	0.00	0.11	0.00	0.10	0.00	0.09	0.00	0.16
3,4-DMC6	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.04
3-MC7	0.01	0.26	0.00	0.23	0.00	0.21	0.01	0.36
DMCyC6	0.03	0.40	0.03	0.40	0.03	0.36	0.04	0.53
DMCyC6	0.01	0.18	0.01	0.17	0.01	0.15	0.02	0.24
DMCyC6	0.00	0.10	0.00	0.10	0.00	0.09	0.01	0.13
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.00	0.10	0.00	0.10	0.00	0.08	0.00	0.12
? RI= 797	0.00	0.03	0.00	0.03	0.00	0.03	0.00	0.04
n-Octane	0.02	0.59	0.02	0.55	0.02	0.49	0.03	0.77
? RI= 806	0.00	0.11	0.00	0.08	0.00	0.07	0.00	0.14
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 820	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.03
? RI= 826	0.00	0.03	0.00	0.02	0.00	0.00	0.00	0.04
DMCyC6?	0.00	0.11	0.00	0.10	0.00	0.09	0.00	0.16
EtCyC6	0.02	0.23	0.02	0.22	0.02	0.20	0.02	0.30
unsp. Napht	0.00	0.09	0.00	0.10	0.00	0.08	0.00	0.13
? RI= 846	0.00	0.03	0.00	0.03	0.00	0.02	0.00	0.04
EtBenzene	0.00	0.05	0.00	0.05	0.00	0.04	0.00	0.06
? RI= 859	0.00	0.06	0.00	0.06	0.00	0.05	0.00	0.08
m+p-Xylene	0.03	0.20	0.04	0.20	0.03	0.16	0.03	0.25
4+2-MC8?	0.00	0.07	0.00	0.06	0.00	0.05	0.00	0.09
? RI= 883	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
o-Xylene	0.00	0.03	0.00	0.03	0.00	0.02	0.00	0.04
? RI= 891	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.04
MC8+C4CyC6	0.00	0.03	0.00	0.03	0.00	0.02	0.00	0.05
C4CyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
n-Nonane	0.00	0.11	0.00	0.09	0.00	0.07	0.00	0.14
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:								
ppm (vol)	35110.4	17521.3	25816.7	13969.3	30707.6	14724.7	34202.2	17097.5

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS (volume percent of hydrocarbons)								
IKU-ID DEPTH	384181 1130m H	384182 1130m O	384191 1140m H	384192 1140m O	384201 1150m H	384202 1150m O	384211 1160m H	384212 1160m O
COMPOUND								
Methane	40.71	2.95	38.09	2.22	38.66	1.75	45.25	37.28
Ethene	0.00	0.18	0.00	0.14	0.00	0.15	0.00	0.00
Ethane	16.32	3.96	16.08	2.85	13.95	1.43	15.43	15.49
Propene	0.00	0.07	0.00	0.05	0.00	0.06	0.00	0.00
Propane	22.09	18.94	24.64	15.32	23.35	11.68	21.60	24.91
i-Butane	3.47	6.33	4.22	5.87	3.91	5.56	3.32	4.29
? RI= 360	0.42	0.04	0.31	0.06	1.01	0.04	0.00	0.00
Butene	0.00	0.00	0.00	0.02	0.00	0.03	0.00	0.00
n-Butane	8.39	19.68	9.20	18.31	9.34	17.75	7.85	9.57
2,2-DMC3	0.04	0.14	0.06	0.15	0.04	0.14	0.00	0.00
i-Pentane	1.91	8.29	2.11	8.60	2.08	9.40	1.63	2.26
n-Pentane	1.75	9.42	1.75	9.86	1.85	10.96	1.80	2.01
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	0.04	0.26	0.04	0.30	0.04	0.33	0.00	0.00
CyC5	0.27	0.62	0.18	0.60	0.31	0.59	0.20	0.28
2,3-DMC4	0.08	0.56	0.08	0.65	0.08	0.73	0.06	0.00
2-MC5	0.37	3.33	0.38	4.01	0.39	4.54	0.30	0.47
3-MC5	0.23	1.85	0.23	2.19	0.25	2.48	0.18	0.28
n-Hexane	0.33	3.74	0.30	4.51	0.36	5.11	0.63	0.46
2,2-DMC5	0.00	0.11	0.01	0.14	0.00	0.16	0.00	0.00
MCyC5	0.57	2.30	0.42	2.44	0.62	2.69	0.38	0.62
2,4-DMC5	0.02	0.22	0.02	0.31	0.00	0.35	0.00	0.00
TMC4	0.00	0.03	0.00	0.04	0.00	0.05	0.00	0.00
Benzene	0.34	0.34	0.10	0.26	0.46	0.26	0.16	0.28
3,3-DMC5	0.00	0.06	0.01	0.07	0.00	0.09	0.00	0.00
CyC6	0.71	2.28	0.45	2.39	0.81	2.60	0.44	0.77
2-MC6	0.07	0.88	0.06	1.23	0.08	1.40	0.05	0.00
2,3-DMC5	0.03	0.37	0.03	0.49	0.04	0.56	0.00	0.00
1,1-DMC5	0.05	0.29	0.04	0.35	0.05	0.41	0.00	0.00
3-MC6	0.08	0.98	0.07	1.34	0.10	1.53	0.06	0.00
DMCyC5	0.07	0.46	0.05	0.56	0.08	0.64	0.04	0.00
DMCyC5	0.07	0.50	0.06	0.61	0.08	0.71	0.04	0.00
DMCyC5	0.11	0.77	0.09	0.89	0.12	1.03	0.07	0.00
n-Heptane	0.08	1.50	0.06	2.06	0.09	2.35	0.05	0.00
MCyC6	0.68	3.48	0.45	4.09	0.78	4.23	0.37	0.80
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	0.07	0.00	0.12	0.00	0.13	0.00	0.00
2,4-DMC6	0.04	0.28	0.02	0.36	0.05	0.41	0.00	0.00
TMCyC5	0.02	0.21	0.02	0.29	0.03	0.34	0.00	0.00
TMCyC5	0.02	0.20	0.01	0.26	0.00	0.30	0.00	0.00
TMCyC5	0.00	0.00	0.00	0.02	0.00	0.03	0.00	0.00
Toluene	0.28	0.41	0.09	0.39	0.47	0.44	0.09	0.23
TMCyC5	0.00	0.06	0.00	0.10	0.00	0.11	0.00	0.00
2,3-DMC6	0.00	0.02	0.00	0.03	0.00	0.04	0.00	0.00
3-Et,2-MC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MC7	0.03	0.45	0.02	0.68	0.04	0.79	0.00	0.00
4-MC7	0.00	0.14	0.01	0.21	0.00	0.24	0.00	0.00
3,4-DMC6	0.00	0.03	0.00	0.05	0.00	0.06	0.00	0.00
3-MC7	0.02	0.31	0.02	0.46	0.03	0.53	0.00	0.00
DMCyC6	0.06	0.45	0.04	0.59	0.08	0.70	0.00	0.00
DMCyC6	0.03	0.21	0.02	0.27	0.04	0.32	0.00	0.00
DMCyC6	0.02	0.12	0.01	0.15	0.00	0.17	0.00	0.00
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.00	0.11	0.01	0.13	0.00	0.15	0.00	0.00
? RI= 797	0.00	0.03	0.00	0.04	0.00	0.04	0.00	0.00
n-Octane	0.05	0.64	0.03	0.88	0.06	1.03	0.00	0.00
? RI= 806	0.01	0.13	0.01	0.16	0.00	0.19	0.00	0.00
? RI= 815	0.00	0.00	0.00	0.02	0.00	0.03	0.00	0.00
? RI= 820	0.00	0.02	0.00	0.04	0.00	0.04	0.00	0.00
? RI= 826	0.00	0.03	0.00	0.05	0.00	0.06	0.00	0.00
DMCyC6?	0.00	0.14	0.01	0.22	0.00	0.25	0.00	0.00
EtCyC6	0.04	0.26	0.02	0.36	0.06	0.41	0.00	0.00
unsp. Napht	0.00	0.12	0.01	0.17	0.00	0.20	0.00	0.00
? RI= 846	0.00	0.03	0.00	0.07	0.00	0.08	0.00	0.00
EtBenzene	0.02	0.05	0.01	0.06	0.03	0.07	0.00	0.00
? RI= 859	0.00	0.08	0.00	0.11	0.00	0.13	0.00	0.00
m+p-Xylene	0.05	0.21	0.02	0.28	0.13	0.33	0.00	0.00
4-+2-MC8?	0.00	0.08	0.01	0.12	0.00	0.14	0.00	0.00
? RI= 883	0.00	0.00	0.00	0.03	0.00	0.03	0.00	0.00
o-Xylene	0.02	0.03	0.01	0.03	0.04	0.04	0.00	0.00
? RI= 891	0.00	0.03	0.00	0.05	0.00	0.06	0.00	0.00
MC8+C4CyC6	0.00	0.03	0.00	0.06	0.00	0.07	0.00	0.00
C4CyC6?	0.00	0.00	0.00	0.04	0.00	0.04	0.00	0.00
n-Nonane	0.00	0.10	0.00	0.15	0.00	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)	26282.5	17915.9	87390.3	26699.4	14853.7	21374.3	8104.1	1647.5

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

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

IKU-ID DEPTH	384221 1170m H	384222 1170m O	384231 1180m H	384232 1180m O	384241 1190m H	384242 1190m O	384251 1200m H	384252 1200m O
COMPOUND								
Methane	49.53	2.87	48.82	3.39	42.50	3.03	34.45	2.52
Ethene	0.00	0.18	0.00	0.24	0.00	0.22	0.00	0.21
Ethane	15.37	3.42	15.48	3.28	14.54	2.99	13.25	2.11
Propene	0.00	0.07	0.00	0.10	0.00	0.09	0.00	0.09
Propane	19.79	19.17	20.77	19.88	22.83	16.73	25.14	13.99
i-Butane	2.74	7.00	2.97	7.24	3.94	6.17	4.77	5.77
? RI= 360	0.81	0.06	0.00	0.00	0.00	0.00	0.09	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
n-Butane	6.15	21.10	6.49	21.98	8.74	19.51	11.27	19.03
2,2-DMC3	0.02	0.12	0.00	0.12	0.04	0.11	0.05	0.11
i-Pentane	1.28	9.17	1.29	9.18	1.95	8.95	2.72	9.20
n-Pentane	1.10	9.82	1.09	9.93	1.61	9.95	2.42	10.77
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	0.02	0.25	0.02	0.25	0.03	0.27	0.05	0.29
CyC5	0.17	0.58	0.19	0.57	0.25	0.59	0.31	0.59
2,3-DMC4	0.05	0.57	0.05	0.55	0.07	0.63	0.11	0.69
2-MC5	0.25	3.41	0.23	3.21	0.31	3.72	0.50	4.17
3-MC5	0.15	1.87	0.14	1.76	0.20	2.06	0.31	2.28
n-Hexane	0.22	3.54	0.18	3.36	0.27	3.95	0.46	4.54
2,2-DMC5	0.00	0.10	0.00	0.09	0.00	0.13	0.00	0.15
MCyC5	0.35	2.12	0.36	2.00	0.47	2.28	0.66	2.35
2,4-DMC5	0.01	0.21	0.00	0.19	0.00	0.26	0.02	0.30
TMC4	0.00	0.03	0.00	0.00	0.00	0.03	0.00	0.04
Benzene	0.20	0.27	0.24	0.19	0.23	0.27	0.24	0.23
3,3-DMC5	0.00	0.05	0.00	0.05	0.00	0.07	0.00	0.08
CyC6	0.44	2.11	0.49	2.09	0.67	2.59	0.99	2.81
2-MC6	0.05	0.79	0.04	0.71	0.05	1.00	0.08	1.15
2,3-DMC5	0.03	0.34	0.02	0.31	0.02	0.44	0.04	0.50
1,1-DMC5	0.03	0.28	0.03	0.25	0.04	0.33	0.06	0.35
3-MC6	0.07	0.87	0.05	0.78	0.06	1.09	0.09	1.25
DMCyC5	0.05	0.42	0.04	0.38	0.05	0.48	0.08	0.51
DMCyC5	0.05	0.46	0.05	0.41	0.05	0.53	0.08	0.57
DMCyC5	0.08	0.68	0.07	0.61	0.08	0.79	0.12	0.81
n-Heptane	0.06	1.27	0.03	1.12	0.06	1.63	0.11	1.93
MCyC6	0.45	2.80	0.46	2.63	0.56	4.07	0.90	4.51
TMCyC5	0.00	0.30	0.00	0.26	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	0.06	0.00	0.05	0.00	0.08	0.00	0.10
2,4-DMC6	0.03	0.22	0.02	0.19	0.02	0.28	0.04	0.32
TMCyC5	0.02	0.18	0.00	0.15	0.00	0.23	0.02	0.25
TMCyC5	0.02	0.17	0.00	0.14	0.00	0.21	0.02	0.21
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Toluene	0.16	0.31	0.19	0.20	0.19	0.35	0.22	0.35
TMCyC5	0.00	0.05	0.00	0.04	0.00	0.07	0.00	0.09
2,3-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
3-Et, 2-MC5	0.03	0.00	0.00	0.30	0.00	0.50	0.00	0.00
2-MC7	0.00	0.35	0.02	0.00	0.02	0.00	0.03	0.59
4-MC7	0.00	0.10	0.00	0.08	0.00	0.15	0.00	0.18
3,4-DMC6	0.00	0.02	0.00	0.00	0.00	0.04	0.00	0.05
3-MC7	0.02	0.22	0.00	0.19	0.00	0.33	0.02	0.39
DMCyC6	0.05	0.36	0.04	0.31	0.04	0.50	0.06	0.54
DMCyC6	0.02	0.16	0.02	0.13	0.02	0.23	0.03	0.25
DMCyC6	0.01	0.09	0.00	0.08	0.00	0.12	0.02	0.14
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
DMCyC6	0.00	0.07	0.00	0.06	0.00	0.09	0.00	0.07
? RI= 797	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.03
n-Octane	0.04	0.47	0.03	0.39	0.04	0.68	0.06	0.80
? RI= 806	0.00	0.07	0.00	0.06	0.00	0.10	0.02	0.14
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
? RI= 820	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
? RI= 826	0.00	0.02	0.00	0.00	0.00	0.03	0.00	0.04
DMCyC6?	0.00	0.10	0.00	0.08	0.00	0.14	0.00	0.17
EtCyC6	0.03	0.19	0.03	0.15	0.03	0.27	0.04	0.31
unsp. Napht	0.00	0.08	0.00	0.07	0.00	0.12	0.00	0.14
? RI= 846	0.00	0.02	0.00	0.00	0.00	0.03	0.00	0.04
EtBenzene	0.00	0.03	0.00	0.00	0.00	0.04	0.00	0.04
? RI= 859	0.00	0.05	0.00	0.04	0.00	0.07	0.00	0.09
m+p-Xylene	0.04	0.14	0.05	0.09	0.04	0.19	0.05	0.23
4-+2-MC8?	0.00	0.05	0.00	0.04	0.00	0.08	0.00	0.10
? RI= 883	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
o-Xylene	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03
? RI= 891	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
MC8+C4CyC6	0.00	0.02	0.00	0.00	0.00	0.03	0.00	0.04
C4CyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
n-Nonane	0.00	0.06	0.00	0.05	0.00	0.10	0.00	0.13
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation: ppm (vol)]	25881.8	15839.2	20059.8	11126.9	24141.7	11064.6	26720.8	22019.1

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

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

IKU-ID DEPTH	384261 1210m H	384262 1210m O	384271 1220m H	384272 1220m O	384281 1230m H	384282 1230m O	384291 1240m H	384292 1240m O
COMPOUND								
Methane	43.85	2.89	62.98	5.62	64.23	8.66	69.37	8.89
Ethene	0.00	0.21	0.00	0.18	0.00	0.24	0.00	0.15
Ethane	14.68	3.11	15.98	6.49	15.01	8.41	16.52	17.10
Propene	0.00	0.08	0.00	0.06	0.00	0.07	0.00	0.05
Propane	22.22	17.37	13.01	19.93	13.26	23.64	10.50	39.32
i-Butane	3.59	6.35	1.55	5.45	1.51	5.44	0.82	6.32
? RI= 360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	8.38	20.30	3.68	18.45	3.65	19.28	1.95	18.03
2,2-DMC3	0.03	0.12	0.01	0.10	0.01	0.07	0.00	0.04
i-Pentane	1.78	8.86	0.65	6.99	0.61	6.12	0.23	3.25
n-Pentane	1.54	9.97	0.56	8.43	0.53	7.49	0.20	3.05
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	0.03	0.27	0.01	0.20	0.01	0.14	0.00	0.04
CyC5	0.25	0.58	0.11	0.66	0.09	0.57	0.04	0.23
2,3-DMC4	0.07	0.60	0.02	0.47	0.02	0.37	0.00	0.10
2-MC5	0.29	3.51	0.10	2.79	0.09	2.19	0.03	0.51
3-MC5	0.18	1.94	0.06	1.60	0.06	1.26	0.02	0.29
n-Hexane	0.26	3.72	0.08	3.22	0.07	2.31	0.02	0.41
2,2-DMC5	0.00	0.13	0.00	0.09	0.00	0.06	0.00	0.00
MCyC5	0.45	2.13	0.17	2.20	0.14	1.68	0.05	0.38
2,4-DMC5	0.00	0.25	0.00	0.20	0.00	0.13	0.00	0.02
TMC4	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00
Benzene	0.30	0.25	0.19	0.42	0.10	0.38	0.08	0.16
3,3-DMC5	0.00	0.07	0.00	0.06	0.00	0.03	0.00	0.00
CyC6	0.71	2.56	0.27	2.55	0.24	2.34	0.09	0.62
2-MC6	0.04	0.93	0.02	0.79	0.01	0.49	0.00	0.05
2,3-DMC5	0.02	0.41	0.01	0.36	0.01	0.25	0.00	0.03
1,1-DMC5	0.04	0.29	0.01	0.25	0.01	0.18	0.00	0.03
3-MC6	0.05	1.02	0.02	0.91	0.02	0.57	0.00	0.06
DMCyC5	0.05	0.43	0.02	0.43	0.01	0.29	0.00	0.04
DMCyC5	0.05	0.48	0.02	0.48	0.01	0.32	0.00	0.04
DMCyC5	0.07	0.70	0.03	0.76	0.02	0.50	0.00	0.07
n-Heptane	0.06	1.54	0.02	1.39	0.01	0.80	0.00	0.08
MCyC6	0.57	3.83	0.20	3.46	0.16	2.81	0.05	0.44
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	0.08	0.00	0.07	0.00	0.04	0.00	0.00
2,4-DMC6	0.02	0.28	0.01	0.30	0.01	0.18	0.00	0.02
TMCyC5	0.00	0.21	0.00	0.21	0.00	0.13	0.00	0.00
TMCyC5	0.00	0.19	0.00	0.22	0.00	0.14	0.00	0.00
TMCyC5	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
Toluene	0.23	0.31	0.12	0.45	0.06	0.33	0.03	0.07
TMCyC5	0.00	0.07	0.00	0.06	0.00	0.04	0.00	0.00
2,3-DMC6	0.00	0.02	0.00	0.03	0.00	0.00	0.00	0.00
3-Et, 2-MC5	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.02
2-MC7	0.02	0.49	0.01	0.42	0.00	0.00	0.00	0.00
4-MC7	0.00	0.15	0.00	0.13	0.00	0.07	0.00	0.00
3,4-DMC6	0.00	0.04	0.00	0.04	0.00	0.00	0.00	0.00
3-MC7	0.00	0.33	0.00	0.29	0.00	0.15	0.00	0.00
DMCyC6	0.04	0.46	0.01	0.43	0.01	0.29	0.00	0.03
DMCyC6	0.02	0.21	0.01	0.19	0.00	0.13	0.00	0.00
DMCyC6	0.00	0.12	0.00	0.11	0.00	0.08	0.00	0.00
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.00	0.09	0.00	0.13	0.00	0.07	0.00	0.00
? RI= 797	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00
n-Octane	0.04	0.66	0.01	0.60	0.01	0.37	0.00	0.03
? RI= 806	0.00	0.12	0.00	0.12	0.00	0.06	0.00	0.00
? RI= 815	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
? RI= 820	0.00	0.03	0.00	0.02	0.00	0.00	0.00	0.00
? RI= 826	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00
DMCyC6?	0.00	0.14	0.00	0.13	0.00	0.08	0.00	0.00
EtCyC6	0.03	0.26	0.01	0.24	0.01	0.18	0.00	0.02
unsp. Napht	0.00	0.12	0.00	0.12	0.00	0.08	0.00	0.00
? RI= 846	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00
EtBenzene	0.00	0.04	0.00	0.05	0.00	0.00	0.00	0.00
? RI= 859	0.00	0.07	0.00	0.07	0.00	0.04	0.00	0.00
m+p-Xylene	0.04	0.19	0.02	0.19	0.01	0.12	0.00	0.00
4-+2-MC8?	0.00	0.08	0.00	0.07	0.00	0.04	0.00	0.00
? RI= 883	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene	0.00	0.02	0.00	0.03	0.00	0.00	0.00	0.00
? RI= 891	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00
MC8+C4CyC6	0.00	0.04	0.00	0.03	0.00	0.00	0.00	0.00
C4CyC6?	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00
n-Nonane	0.00	0.11	0.00	0.08	0.00	0.05	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)	21554.1	17297.0	48724.2	18120.2	57006.8	11765.6	41060.6	24962.9

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

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

IKU-ID DEPTH	384341 1290m H	384342 1290m O	384351 1300m H	384352 1300m O	384361 1310m H	384362 1310m O	384371 1320m H	384372 1320m O
COMPOUND								
Methane	68.54	9.76	71.83	10.85	76.74	15.51	42.85	13.26
Ethene	0.00	0.12	0.00	0.13	0.00	0.12	0.00	0.15
Ethane	17.38	19.42	16.48	21.29	15.62	29.61	14.40	3.26
Propene	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.04
Propane	10.63	39.33	8.90	37.96	6.05	36.11	19.30	12.74
i-Butane	0.85	5.79	0.66	5.37	0.36	3.74	3.60	4.33
? RI= 360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	1.95	17.11	1.62	16.59	0.95	11.18	10.22	18.79
2,2-DMC3	0.01	0.05	0.00	0.05	0.00	0.03	0.05	0.08
1-Pentane	0.22	2.84	0.16	2.49	0.08	1.26	2.32	7.14
n-Pentane	0.18	2.65	0.14	2.47	0.08	1.22	2.58	10.35
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	0.00	0.03	0.00	0.03	0.00	0.01	0.03	0.14
CyC5	0.03	0.20	0.03	0.23	0.02	0.16	0.28	0.75
2,3-DMC4	0.00	0.08	0.00	0.07	0.00	0.03	0.07	0.39
2-MC5	0.02	0.43	0.02	0.36	0.01	0.12	0.48	3.14
3-MC5	0.01	0.24	0.01	0.21	0.01	0.08	0.30	1.87
n-Hexane	0.02	0.34	0.01	0.31	0.01	0.11	0.53	3.94
2,2-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.07
MCyC5	0.03	0.29	0.02	0.28	0.02	0.16	0.60	2.59
2,4-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.18
TMC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Benzene	0.03	0.14	0.03	0.16	0.02	0.12	0.12	0.26
3,3-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
CyC6	0.05	0.48	0.04	0.45	0.02	0.20	0.60	2.51
2-MC6	0.00	0.04	0.00	0.04	0.00	0.01	0.08	0.84
2,3-DMC5	0.00	0.02	0.00	0.02	0.00	0.00	0.04	0.38
1,1-DMC5	0.00	0.02	0.00	0.02	0.00	0.00	0.04	0.25
3-MC6	0.00	0.05	0.00	0.04	0.00	0.01	0.10	1.02
DMCyC5	0.00	0.03	0.00	0.02	0.00	0.01	0.07	0.49
DMCyC5	0.00	0.03	0.00	0.03	0.00	0.01	0.08	0.56
DMCyC5	0.00	0.04	0.00	0.04	0.00	0.02	0.13	0.89
n-Heptane	0.00	0.05	0.00	0.05	0.00	0.02	0.13	1.58
MCyC6	0.03	0.30	0.02	0.28	0.01	0.10	0.48	2.88
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.32
2,5-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07
2,4-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.28
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.20
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.20
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Toluene	0.01	0.06	0.01	0.06	0.01	0.04	0.10	0.32
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06
2,3-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
3-Et,2-MC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MC7	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.48
4-MC7	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13
3,4-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
3-MC7	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.30
DMCyC6	0.00	0.02	0.00	0.02	0.00	0.00	0.04	0.37
DMCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.16
DMCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.10
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
n-Octane	0.00	0.02	0.00	0.02	0.00	0.00	0.05	0.62
? RI= 806	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.10
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 820	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
? RI= 826	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.15
EtCyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.24
unsp. Napht	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.12
? RI= 846	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
EtBenzene	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.04
? RI= 859	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.07
m+p-Xylene	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.16
4-+2-MC8?	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.08
? RI= 883	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
o-Xylene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
? RI= 891	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
MC8+C4CyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
C4CyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Nonane	0.00	0.00	0.00	0.00	0.00	0.00	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)	104580.2	21844.0	99827.2	25609.8	133921.0	36562.2	76650.2	20754.7

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

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

IKU-ID DEPTH	384381 1330m H	384382 1330m O	384391 1340m H	384392 1340m O	384401 1450m H	384402 1350m O	384411 1360m H	384412 1360m O
COMPOUND								
Methane	42.30	2.89	39.59	2.23	45.99	2.87	44.32	6.18
Ethene	0.00	0.06	0.00	0.05	0.00	0.06	0.00	0.07
Ethane	18.13	3.54	18.98	4.73	18.57	4.72	19.21	5.75
Propene	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.02
Propane	19.51	15.17	20.59	17.88	18.07	16.50	18.66	17.66
i-Butane	2.76	5.56	3.28	6.21	2.64	5.86	3.02	5.97
? RI= 360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	8.91	21.83	9.62	23.62	7.94	22.05	8.07	21.05
2,2-DMC3	0.02	0.11	0.03	0.12	0.02	0.12	0.04	0.12
i-Pentane	1.69	8.93	1.94	9.05	1.56	9.02	1.67	8.26
n-Pentane	2.02	12.38	2.26	12.18	1.83	12.36	1.91	11.15
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	0.02	0.14	0.02	0.11	0.01	0.12	0.02	0.12
CyC5	0.36	0.90	0.27	0.86	0.27	0.85	0.20	0.73
2,3-DMC4	0.05	0.41	0.05	0.35	0.04	0.37	0.05	0.35
2-MC5	0.35	3.54	0.37	3.03	0.29	3.30	0.33	3.03
3-MC5	0.23	2.08	0.22	1.77	0.19	1.92	0.20	1.74
n-Hexane	0.36	4.55	0.43	3.79	0.33	4.16	0.36	3.85
2,2-DMC5	0.00	0.05	0.00	0.03	0.00	0.04	0.00	0.04
MCyC5	0.66	2.97	0.52	2.57	0.50	2.73	0.42	2.38
2,4-DMC5	0.01	0.18	0.01	0.13	0.01	0.15	0.01	0.14
TMC4	0.00	0.02	0.00	0.01	0.00	0.01	0.00	0.01
Benzene	0.27	0.24	0.16	0.26	0.18	0.27	0.13	0.27
3,3-DMC5	0.00	0.03	0.00	0.02	0.00	0.02	0.00	0.02
CyC6	0.67	2.34	0.45	1.93	0.47	2.09	0.38	1.89
2-MC6	0.06	0.74	0.05	0.53	0.04	0.61	0.05	0.58
2,3-DMC5	0.03	0.35	0.03	0.26	0.02	0.30	0.02	0.27
1,1-DMC5	0.03	0.24	0.03	0.19	0.03	0.21	0.02	0.18
3-MC6	0.08	0.94	0.07	0.69	0.06	0.79	0.06	0.73
DMCyC5	0.07	0.52	0.06	0.41	0.05	0.46	0.05	0.40
DMCyC5	0.08	0.58	0.06	0.46	0.06	0.51	0.05	0.44
DMCyC5	0.13	0.94	0.10	0.74	0.09	0.83	0.08	0.69
n-Heptane	0.08	1.56	0.10	1.13	0.07	1.30	0.08	1.20
MCyC6	0.50	2.34	0.32	1.76	0.32	2.00	0.28	1.83
TMCyC5	0.00	0.00	0.00	0.21	0.00	0.25	0.00	0.00
2,5-DMC6	0.00	0.05	0.00	0.03	0.00	0.03	0.00	0.03
2,4-DMC6	0.04	0.25	0.03	0.18	0.02	0.20	0.02	0.18
TMCyC5	0.02	0.18	0.01	0.13	0.01	0.15	0.01	0.13
TMCyC5	0.02	0.18	0.02	0.13	0.01	0.15	0.01	0.13
TMCyC5	0.00	0.02	0.00	0.01	0.00	0.02	0.00	0.02
Toluene	0.22	0.30	0.12	0.27	0.14	0.29	0.10	0.28
TMCyC5	0.00	0.04	0.00	0.03	0.00	0.03	0.00	0.03
2,3-DMC6	0.00	0.03	0.00	0.02	0.00	0.02	0.00	0.02
3-Et, 2-MC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MC7	0.03	0.36	0.02	0.24	0.02	0.27	0.02	0.26
4-MC7	0.01	0.09	0.01	0.06	0.00	0.07	0.01	0.07
3,4-DMC6	0.00	0.03	0.00	0.02	0.00	0.02	0.00	0.02
3-MC7	0.02	0.21	0.01	0.13	0.01	0.15	0.01	0.15
DMCyC6	0.04	0.29	0.03	0.21	0.02	0.25	0.02	0.23
DMCyC6	0.02	0.13	0.01	0.09	0.01	0.11	0.01	0.10
DMCyC6	0.01	0.08	0.01	0.05	0.00	0.06	0.01	0.06
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.02	0.13	0.01	0.09	0.01	0.10	0.01	0.09
? RI= 797	0.00	0.03	0.00	0.02	0.00	0.02	0.00	0.02
n-Octane	0.05	0.51	0.04	0.35	0.03	0.41	0.03	0.38
? RI= 806	0.01	0.08	0.01	0.06	0.01	0.07	0.00	0.06
? RI= 815	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.01
? RI= 820	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.01
? RI= 826	0.00	0.02	0.00	0.01	0.00	0.02	0.00	0.01
DMCyC6?	0.00	0.11	0.00	0.07	0.00	0.08	0.00	0.08
EtCyC6	0.03	0.18	0.02	0.12	0.02	0.14	0.02	0.13
unsp. Napht	0.01	0.09	0.01	0.06	0.01	0.07	0.01	0.06
? RI= 846	0.00	0.04	0.00	0.03	0.00	0.03	0.00	0.03
EtBenzene	0.02	0.04	0.01	0.03	0.01	0.04	0.01	0.03
? RI= 859	0.00	0.05	0.00	0.03	0.00	0.04	0.00	0.04
m+p-Xylene	0.04	0.12	0.02	0.08	0.02	0.09	0.02	0.09
4-+2-MC8?	0.01	0.05	0.00	0.03	0.00	0.04	0.00	0.03
? RI= 883	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.01
o-Xylene	0.01	0.02	0.01	0.01	0.01	0.02	0.00	0.02
? RI= 891	0.00	0.03	0.00	0.01	0.00	0.02	0.00	0.02
MC8+C4CyC6	0.00	0.02	0.00	0.01	0.00	0.02	0.00	0.02
C4CyC6?	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.01
n-Nonane	0.00	0.07	0.00	0.04	0.00	0.05	0.00	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)	46772.1	44210.6	114357.9	57468.5	85957.7	52659.3	150379.1	55712.2

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

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

IKU-ID DEPTH	384421 1370m H	384422 1370m O	384431 1380m H	384432 1380m O	384441 1390m H	384442 1390m O	384451 1400m H	384452 1400m O
COMPOUND								
Methane	32.19	9.58	45.80	12.89	39.26	11.32	60.67	5.47
Ethene	0.00	0.19	0.00	0.24	0.00	0.26	0.00	0.24
Ethane	22.14	4.36	13.41	2.48	27.93	9.38	18.88	8.02
Propene	0.00	0.06	0.00	0.08	0.00	0.00	0.00	0.00
Propane	23.25	16.03	14.63	9.23	19.44	21.17	12.40	20.36
i-Butane	3.57	4.75	2.61	3.16	2.41	4.26	1.52	4.53
? RI= 360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	8.70	17.36	6.93	12.12	4.86	14.59	2.90	15.23
2,2-DMC3	0.05	0.09	0.00	0.07	0.00	0.09	0.00	0.09
i-Pentane	2.04	7.05	2.42	6.12	1.14	4.87	0.63	5.03
n-Pentane	2.12	9.69	2.81	9.32	0.98	6.92	0.54	7.27
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	0.03	0.16	0.09	0.23	0.03	0.16	0.00	0.20
CyC5	0.30	0.70	0.29	0.55	0.16	0.50	0.10	0.56
2,3-DMC4	0.08	0.43	0.17	0.56	0.06	0.36	0.04	0.41
2-MC5	0.48	3.24	0.95	4.03	0.32	2.42	0.18	2.56
3-MC5	0.30	1.92	0.59	2.34	0.21	1.46	0.11	1.54
n-Hexane	0.45	3.99	0.82	5.49	0.14	2.94	0.07	3.26
2,2-DMC5	0.00	0.07	0.00	0.14	0.00	0.08	0.00	0.11
MCyC5	0.72	2.76	1.14	2.99	0.44	2.11	0.24	2.31
2,4-DMC5	0.00	0.19	0.06	0.31	0.00	0.18	0.00	0.22
TMC4	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00
Benzene	0.38	0.36	0.44	0.38	0.28	0.48	0.24	0.64
3,3-DMC5	0.00	0.04	0.00	0.08	0.00	0.00	0.00	0.07
CyC6	0.86	2.69	1.37	2.99	0.58	2.39	0.37	2.82
2-MC6	0.09	0.81	0.25	1.40	0.08	0.74	0.05	0.93
2,3-DMC5	0.05	0.39	0.11	0.60	0.04	0.38	0.03	0.42
1,1-DMC5	0.05	0.27	0.10	0.36	0.04	0.26	0.00	0.28
3-MC6	0.11	1.00	0.30	1.64	0.11	0.92	0.07	1.11
DMCyC5	0.09	0.54	0.18	0.73	0.07	0.47	0.04	0.52
DMCyC5	0.10	0.60	0.19	0.83	0.08	0.54	0.05	0.60
DMCyC5	0.16	0.99	0.31	1.31	0.13	0.92	0.07	0.97
n-Heptane	0.14	1.52	0.27	2.76	0.03	1.27	0.00	1.68
MCyC6	0.77	3.19	2.05	5.72	0.68	3.40	0.47	4.94
TMCyC5	0.00	0.32	0.00	0.00	0.00	0.35	0.00	0.00
2,5-DMC6	0.00	0.06	0.00	0.12	0.00	0.06	0.00	0.09
2,4-DMC6	0.05	0.29	0.12	0.49	0.05	0.30	0.03	0.38
TMCyC5	0.02	0.22	0.05	0.34	0.00	0.23	0.00	0.26
TMCyC5	0.02	0.22	0.00	0.33	0.00	0.24	0.00	0.25
TMCyC5	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
Toluene	0.31	0.39	0.52	0.55	0.15	0.35	0.13	0.60
TMCyC5	0.00	0.05	0.00	0.10	0.00	0.06	0.00	0.09
2,3-DMC6	0.00	0.03	0.00	0.05	0.00	0.00	0.00	0.00
3-Et,2-MC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MC7	0.04	0.41	0.10	0.75	0.03	0.41	0.00	0.58
4-MC7	0.00	0.11	0.00	0.23	0.00	0.12	0.00	0.18
3,4-DMC6	0.00	0.03	0.00	0.06	0.00	0.00	0.00	0.00
3-MC7	0.03	0.25	0.09	0.54	0.03	0.27	0.03	0.44
DMCyC6	0.06	0.41	0.19	0.76	0.08	0.48	0.06	0.68
DMCyC6	0.03	0.17	0.09	0.34	0.03	0.20	0.00	0.31
DMCyC6	0.00	0.11	0.00	0.19	0.00	0.13	0.00	0.18
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.00	0.15	0.00	0.23	0.00	0.16	0.00	0.19
? RI= 797	0.00	0.03	0.00	0.05	0.00	0.00	0.00	0.00
n-Octane	0.08	0.61	0.17	1.22	0.05	0.64	0.04	1.02
? RI= 806	0.00	0.11	0.05	0.21	0.00	0.11	0.00	0.15
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 820	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
? RI= 826	0.00	0.03	0.00	0.05	0.00	0.00	0.00	0.00
DMCyC6?	0.00	0.13	0.00	0.23	0.00	0.15	0.00	0.20
EtCyC6	0.05	0.25	0.14	0.47	0.05	0.30	0.04	0.49
unsp. Napht	0.00	0.12	0.00	0.20	0.00	0.16	0.00	0.21
? RI= 846	0.00	0.03	0.00	0.06	0.00	0.00	0.00	0.00
EtBenzene	0.00	0.05	0.00	0.08	0.00	0.05	0.00	0.08
? RI= 859	0.00	0.07	0.00	0.13	0.00	0.08	0.00	0.13
m+p-Xylene	0.05	0.15	0.16	0.32	0.00	0.15	0.00	0.37
4-+2-MC8?	0.00	0.06	0.00	0.13	0.00	0.07	0.00	0.18
? RI= 883	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
o-Xylene	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
? RI= 891	0.00	0.03	0.00	0.06	0.00	0.00	0.00	0.08
MC8+C4CyC6	0.00	0.03	0.00	0.07	0.00	0.00	0.00	0.07
C4CyC6?	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
n-Nonane	0.00	0.08	0.00	0.21	0.00	0.08	0.00	0.40
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:								
ppm (vol)	15834.8	15196.2	7512.9	12140.1	12984.8	6665.3	13206.4	6189.7

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

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

IKU-ID DEPTH	384461 1410m H	384462 1410m O	384471 1420m H	384472 1420m O	384481 1430m H	384482 1430m O	384491 1440m H	384492 1440m O
COMPOUND								
Methane	60.55	19.15	54.61	18.83	53.02	21.45	55.68	12.22
Ethane	0.00	0.36	0.00	0.36	0.00	0.39	0.00	0.26
Ethane	14.28	5.34	17.84	4.41	20.40	6.88	20.28	9.37
Propene	0.00	0.12	0.00	0.13	0.02	0.13	0.00	0.09
Propane	12.14	14.21	13.45	9.30	13.64	10.74	13.01	13.25
i-Butane	2.17	3.51	2.79	3.47	2.24	3.48	2.26	4.19
? RI= 360	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	3.91	12.02	4.75	9.82	4.35	9.44	4.10	10.89
2,2-DMC3	0.05	0.09	0.07	0.15	0.05	0.15	0.05	0.18
i-Pentane	1.17	4.42	1.55	5.72	1.21	5.32	1.11	6.03
n-Pentane	1.01	6.34	1.24	6.87	1.03	6.14	0.91	6.55
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	0.05	0.24	0.06	0.39	0.05	0.38	0.04	0.41
CyC5	0.11	0.41	0.10	0.39	0.13	0.36	0.10	0.43
2,3-DMC4	0.08	0.45	0.09	0.64	0.07	0.61	0.06	0.66
2-MC5	0.36	2.47	0.33	2.95	0.26	2.80	0.20	2.91
3-MC5	0.22	1.46	0.20	1.77	0.17	1.67	0.12	1.71
n-Hexane	0.27	3.35	0.35	4.49	0.25	4.14	0.21	4.22
2,2-DMC5	0.00	0.14	0.01	0.18	0.01	0.17	0.01	0.17
MCyC5	0.39	1.98	0.34	2.54	0.41	2.23	0.29	2.35
2,4-DMC5	0.03	0.25	0.02	0.30	0.02	0.28	0.01	0.28
TMC4	0.00	0.00	0.00	0.07	0.00	0.06	0.00	0.06
Benzene	0.22	0.53	0.18	0.47	0.26	0.32	0.14	0.42
3,3-DMC5	0.00	0.08	0.01	0.11	0.00	0.10	0.00	0.10
CyC6	0.55	2.65	0.50	3.61	0.67	3.16	0.44	3.41
2-MC6	0.12	1.10	0.08	1.31	0.06	1.21	0.04	1.20
2,3-DMC5	0.05	0.44	0.03	0.45	0.03	0.42	0.02	0.41
1,1-DMC5	0.04	0.28	0.03	0.31	0.03	0.28	0.02	0.28
3-MC6	0.14	1.23	0.08	1.37	0.07	1.26	0.04	1.23
DMCyC5	0.07	0.46	0.04	0.46	0.04	0.40	0.02	0.39
DMCyC5	0.07	0.53	0.04	0.52	0.04	0.46	0.03	0.44
DMCyC5	0.11	0.80	0.06	0.73	0.07	0.65	0.04	0.63
n-Heptane	0.11	2.01	0.12	2.78	0.07	2.52	0.05	2.55
MCyC6	0.80	5.44	0.52	6.45	0.68	5.43	0.39	5.34
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	0.12	0.00	0.12	0.00	0.11	0.00	0.10
2,4-DMC6	0.05	0.40	0.02	0.42	0.03	0.36	0.02	0.35
TMCyC5	0.03	0.25	0.01	0.19	0.01	0.17	0.01	0.17
TMCyC5	0.02	0.20	0.00	0.11	0.00	0.10	0.00	0.10
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.17	0.64	0.18	0.90	0.25	0.55	0.11	0.67
TMCyC5	0.00	0.11	0.00	0.10	0.00	0.08	0.00	0.08
2,3-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-Et,2-MC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MC7	0.05	0.67	0.03	0.66	0.02	0.58	0.01	0.59
4-MC7	0.02	0.23	0.01	0.25	0.01	0.21	0.00	0.21
3,4-DMC6	0.00	0.00	0.00	0.05	0.00	0.04	0.00	0.04
3-MC7	0.05	0.56	0.02	0.60	0.02	0.51	0.01	0.51
DMCyC6	0.10	0.77	0.04	0.73	0.05	0.61	0.03	0.60
DMCyC6	0.04	0.36	0.02	0.36	0.03	0.29	0.01	0.29
DMCyC6	0.02	0.18	0.01	0.16	0.01	0.14	0.01	0.13
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.02	0.14	0.00	0.06	0.00	0.05	0.00	0.05
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
n-Octane	0.09	1.22	0.05	1.45	0.05	1.23	0.02	1.29
? RI= 806	0.02	0.18	0.01	0.18	0.01	0.14	0.01	0.15
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 820	0.00	0.00	0.00	0.03	0.00	0.03	0.00	0.03
? RI= 826	0.00	0.00	0.00	0.05	0.00	0.04	0.00	0.04
DMCyC6?	0.00	0.22	0.00	0.17	0.00	0.15	0.00	0.15
EtCyC6	0.07	0.53	0.02	0.48	0.04	0.39	0.02	0.40
unsp. Napht	0.02	0.19	0.00	0.11	0.01	0.09	0.00	0.09
? RI= 846	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
EtBenzene	0.00	0.06	0.01	0.06	0.01	0.04	0.00	0.05
? RI= 859	0.00	0.13	0.00	0.09	0.00	0.08	0.00	0.08
m+p-Xylene	0.07	0.42	0.05	0.54	0.07	0.39	0.02	0.45
4+2-MC8?	0.02	0.17	0.01	0.16	0.01	0.13	0.00	0.14
? RI= 883	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
o-Xylene	0.00	0.00	0.01	0.07	0.02	0.04	0.01	0.06
? RI= 891	0.00	0.00	0.00	0.04	0.00	0.03	0.00	0.03
MC8+C4CyC6	0.00	0.08	0.00	0.08	0.00	0.06	0.00	0.07
C4CyC6?	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.03
n-Nonane	0.02	0.32	0.01	0.38	0.01	0.31	0.00	0.35
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:								
ppm (vol)	20068.6	6028.8	54099.0	10173.2	44011.8	12167.0	99152.2	16175.2

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

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

IKU-ID DEPTH	384501 1450m H	384502 1450m O	384511 1460m H	384512 1460m O	384521 1470m H	384522 1470m O	384531 1480m H	384532 1480m O
COMPOUND								
Methane	49.83	9.86	62.30	19.51	51.72	33.27	58.99	35.53
Ethene	0.00	0.32	0.00	0.47	0.00	0.50	0.00	0.51
Ethane	22.61	9.30	17.96	9.54	21.64	8.06	18.21	7.29
Propene	0.00	0.11	0.00	0.16	0.00	0.17	0.02	0.17
Propane	15.66	15.74	11.64	13.98	15.28	11.51	12.66	10.46
i-Butane	2.40	4.07	1.75	3.25	2.39	2.54	1.93	2.27
? RI= 360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	4.60	12.41	3.27	10.30	4.43	8.40	3.76	7.91
2,2-DMC3	0.05	0.15	0.03	0.12	0.05	0.00	0.04	0.00
i-Pentane	1.13	5.65	0.77	4.38	1.11	3.50	0.95	3.25
n-Pentane	0.92	6.77	0.60	5.52	0.86	4.59	0.78	4.52
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	0.04	0.35	0.03	0.28	0.04	0.22	0.04	0.21
CyC5	0.12	0.45	0.08	0.38	0.11	0.30	0.10	0.29
2,3-DMC4	0.06	0.57	0.04	0.45	0.06	0.37	0.05	0.36
2-MC5	0.19	2.58	0.12	2.09	0.18	1.73	0.18	1.72
3-MC5	0.13	1.53	0.08	1.26	0.12	1.04	0.12	1.03
n-Hexane	0.17	3.82	0.10	3.20	0.15	2.66	0.15	2.70
2,2-DMC5	0.01	0.15	0.00	0.13	0.00	0.10	0.00	0.11
MCyC5	0.32	2.27	0.19	1.95	0.29	1.62	0.28	1.56
2,4-DMC5	0.01	0.25	0.01	0.22	0.01	0.18	0.01	0.19
TMC4	0.00	0.06	0.00	0.05	0.00	0.00	0.00	0.00
Benzene	0.18	0.52	0.11	0.52	0.17	0.43	0.18	0.45
3,3-DMC5	0.00	0.09	0.00	0.08	0.00	0.06	0.00	0.07
CyC6	0.51	3.38	0.32	2.95	0.47	2.44	0.46	2.31
2-MC6	0.04	1.07	0.02	0.97	0.03	0.80	0.04	0.85
2,3-DMC5	0.02	0.38	0.01	0.35	0.02	0.29	0.02	0.31
1,1-DMC5	0.02	0.26	0.01	0.24	0.02	0.20	0.02	0.20
3-MC6	0.04	1.12	0.03	1.03	0.04	0.87	0.05	0.91
DMCyC5	0.03	0.38	0.02	0.35	0.03	0.30	0.03	0.31
DMCyC5	0.03	0.43	0.02	0.40	0.03	0.35	0.03	0.35
DMCyC5	0.05	0.62	0.03	0.58	0.04	0.51	0.05	0.51
n-Heptane	0.04	2.25	0.02	2.09	0.03	1.71	0.03	1.77
MCyC6	0.44	5.27	0.27	5.05	0.41	4.38	0.45	4.51
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	0.10	0.00	0.11	0.00	0.09	0.00	0.10
2,4-DMC6	0.02	0.35	0.01	0.35	0.02	0.30	0.02	0.32
TMCyC5	0.01	0.18	0.00	0.18	0.00	0.16	0.01	0.17
TMCyC5	0.00	0.11	0.00	0.12	0.00	0.11	0.00	0.10
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.14	0.76	0.09	0.74	0.12	0.63	0.14	0.71
TMCyC5	0.00	0.08	0.00	0.09	0.00	0.08	0.00	0.08
2,3-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-Et, 2-MC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MC7	0.01	0.61	0.01	0.64	0.01	0.56	0.02	0.58
4-MC7	0.00	0.21	0.00	0.23	0.00	0.19	0.00	0.21
3,4-DMC6	0.00	0.04	0.00	0.04	0.00	0.00	0.00	0.00
3-MC7	0.01	0.51	0.01	0.55	0.01	0.47	0.01	0.50
DMCyC6	0.03	0.62	0.02	0.67	0.03	0.59	0.04	0.63
DMCyC6	0.01	0.30	0.01	0.32	0.01	0.28	0.02	0.30
DMCyC6	0.01	0.15	0.01	0.15	0.01	0.14	0.01	0.14
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.00	0.06	0.00	0.09	0.00	0.08	0.00	0.08
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	0.02	1.28	0.01	1.35	0.02	1.15	0.03	1.21
? RI= 806	0.01	0.15	0.01	0.16	0.01	0.15	0.01	0.15
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 820	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 826	0.00	0.05	0.00	0.05	0.00	0.00	0.00	0.00
DMCyC6?	0.00	0.18	0.00	0.21	0.00	0.19	0.00	0.20
EtCyC6	0.02	0.44	0.01	0.49	0.02	0.44	0.03	0.47
unsp. Napht	0.00	0.11	0.00	0.14	0.00	0.14	0.00	0.14
? RI= 846	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
EtBenzene	0.01	0.05	0.00	0.05	0.00	0.00	0.00	0.00
? RI= 859	0.00	0.10	0.00	0.12	0.00	0.11	0.00	0.11
m+p-Xylene	0.04	0.49	0.02	0.50	0.02	0.45	0.03	0.50
4+2-MC8?	0.00	0.16	0.00	0.19	0.00	0.17	0.00	0.17
? RI= 883	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene	0.01	0.06	0.00	0.05	0.00	0.00	0.00	0.00
? RI= 891	0.00	0.04	0.00	0.04	0.00	0.00	0.00	0.00
MC8+C4CyC6	0.00	0.08	0.00	0.09	0.00	0.08	0.00	0.08
C4CyC6?	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00
n-Nonane	0.00	0.39	0.00	0.42	0.00	0.36	0.00	0.39
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation: ppm (vol)	72289.8	11292.6	85217.4	7983.1	53113.3	5836.3	41620.8	5271.7

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

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

IKU-ID DEPTH	384541 1490m H	384542 1490m O	384551 1500m H	384552 1500m O	384561 1510m H	384562 1510m O	384571 1520m H	384572 1520m O
COMPOUND								
Methane	56.45	17.17	55.98	14.53	63.43	16.16	60.58	11.51
Ethene	0.00	0.38	0.00	0.42	0.00	0.42	0.00	0.35
Ethane	21.33	10.42	21.08	7.77	19.19	8.45	19.07	7.56
Propene	0.01	0.12	0.00	0.16	0.00	0.15	0.00	0.12
Propane	12.83	13.09	12.35	11.54	10.38	13.03	11.42	13.14
i-Butane	2.18	3.78	2.01	3.50	1.50	3.55	1.64	3.71
? RI= 360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	3.68	9.99	3.61	9.74	2.64	10.42	3.24	11.27
2,2-DMC3	0.05	0.15	0.04	0.15	0.03	0.13	0.03	0.13
i-Pentane	1.00	5.33	1.01	5.49	0.64	5.05	0.79	5.52
n-Pentane	0.78	5.82	0.74	6.09	0.48	5.93	0.62	6.64
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	0.03	0.35	0.04	0.38	0.02	0.31	0.02	0.33
CyC5	0.06	0.41	0.12	0.41	0.08	0.40	0.11	0.43
2,3-DMC4	0.05	0.57	0.05	0.62	0.03	0.53	0.04	0.58
2-MC5	0.16	2.48	0.19	2.84	0.11	2.50	0.15	2.81
3-MC5	0.10	1.48	0.13	1.69	0.07	1.48	0.09	1.66
n-Hexane	0.17	3.56	0.12	4.00	0.07	3.52	0.09	3.88
2,2-DMC5	0.01	0.15	0.00	0.18	0.00	0.14	0.00	0.15
MCyC5	0.18	2.15	0.32	2.35	0.18	2.09	0.26	2.28
2,4-DMC5	0.01	0.25	0.01	0.30	0.00	0.24	0.00	0.27
TMC4	0.00	0.05	0.00	0.06	0.00	0.05	0.00	0.05
Benzene	0.07	0.37	0.29	0.41	0.17	0.45	0.32	0.48
3,3-DMC5	0.00	0.09	0.00	0.10	0.00	0.08	0.00	0.09
CyC6	0.26	3.24	0.56	3.53	0.33	3.35	0.49	3.57
2-MC6	0.03	1.06	0.05	1.32	0.02	1.09	0.03	1.23
2,3-DMC5	0.01	0.37	0.02	0.46	0.01	0.39	0.02	0.44
1,1-DMC5	0.01	0.25	0.02	0.30	0.01	0.27	0.02	0.30
3-MC6	0.03	1.10	0.06	1.39	0.03	1.17	0.04	1.32
DMCyC5	0.02	0.37	0.03	0.45	0.02	0.39	0.02	0.44
DMCyC5	0.02	0.42	0.04	0.51	0.02	0.44	0.03	0.50
DMCyC5	0.03	0.60	0.05	0.74	0.03	0.65	0.04	0.73
n-Heptane	0.04	2.17	0.03	2.68	0.01	2.28	0.02	2.47
MCyC6	0.23	5.18	0.53	6.30	0.27	5.72	0.43	6.27
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	0.10	0.00	0.14	0.00	0.11	0.00	0.13
2,4-DMC6	0.01	0.34	0.02	0.44	0.01	0.38	0.02	0.42
TMCyC5	0.00	0.17	0.00	0.23	0.00	0.21	0.00	0.24
TMCyC5	0.00	0.10	0.00	0.14	0.00	0.14	0.00	0.16
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.05	0.60	0.25	0.69	0.12	0.72	0.23	0.76
TMCyC5	0.00	0.08	0.00	0.11	0.00	0.10	0.00	0.11
2,3-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-Et, 2-MC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MC7	0.01	0.57	0.02	0.79	0.01	0.74	0.00	0.83
4-MC7	0.00	0.21	0.00	0.28	0.00	0.25	0.00	0.28
3,4-DMC6	0.00	0.04	0.00	0.05	0.00	0.05	0.00	0.05
3-MC7	0.01	0.49	0.02	0.67	0.01	0.58	0.01	0.65
DMCyC6	0.02	0.60	0.05	0.80	0.02	0.76	0.04	0.84
DMCyC6	0.01	0.29	0.02	0.38	0.01	0.35	0.02	0.38
DMCyC6	0.00	0.14	0.00	0.18	0.00	0.17	0.00	0.18
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.00	0.07	0.00	0.08	0.00	0.10	0.00	0.11
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	0.02	1.21	0.03	1.63	0.01	1.47	0.02	1.59
? RI= 806	0.00	0.14	0.00	0.19	0.00	0.17	0.00	0.18
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 820	0.00	0.00	0.00	0.04	0.00	0.04	0.00	0.00
? RI= 826	0.00	0.04	0.00	0.06	0.00	0.06	0.00	0.07
DMCyC6?	0.00	0.17	0.00	0.24	0.00	0.25	0.00	0.28
EtCyC6	0.01	0.42	0.03	0.57	0.01	0.55	0.03	0.59
unsp. Napht	0.00	0.11	0.00	0.15	0.00	0.16	0.00	0.18
? RI= 846	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00
EtBenzene	0.00	0.04	0.00	0.06	0.00	0.06	0.00	0.06
? RI= 859	0.00	0.09	0.00	0.13	0.00	0.13	0.00	0.15
m+p-Xylene	0.01	0.44	0.05	0.57	0.03	0.57	0.04	0.58
4-+2-MC8?	0.00	0.15	0.00	0.21	0.00	0.21	0.00	0.23
? RI= 883	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00
o-Xylene	0.00	0.05	0.02	0.06	0.01	0.07	0.00	0.06
? RI= 891	0.00	0.00	0.00	0.06	0.00	0.06	0.00	0.05
MC8+C4CyC6	0.00	0.07	0.00	0.10	0.00	0.11	0.00	0.10
C4CyC6?	0.00	0.00	0.00	0.05	0.00	0.05	0.00	0.00
n-Nonane	0.00	0.35	0.00	0.50	0.00	0.49	0.00	0.50
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation: ppm (vol)	166603.9	10279.3	26530.7	8075.7	56331.6	8453.8	26362.4	6727.3

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

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

IKU-ID DEPTH	384581 1530m H	384582 1530m O	384591 1540m H	384592 1540m O	384601 1550m H	384602 1550m O	384611 1560m H	384612 1560m O
COMPOUND								
Methane	62.58	5.81	53.54	5.42	57.39	5.77	62.49	8.00
Ethene	0.00	0.32	0.00	0.27	0.00	0.42	0.00	0.44
Ethane	14.96	4.15	17.27	2.72	18.12	4.89	19.36	9.38
Propene	0.00	0.11	0.00	0.09	0.00	0.16	0.00	0.18
Propane	11.15	9.05	14.34	7.71	12.78	10.50	10.94	17.30
i-Butane	1.96	3.53	2.49	3.78	2.10	3.48	1.42	3.68
? RI= 360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	4.14	10.81	5.58	10.69	4.29	11.13	2.76	13.03
2,2-DMC3	0.03	0.13	0.04	0.14	0.03	0.12	0.00	0.00
i-Pentane	1.09	6.53	1.36	6.85	1.09	5.98	0.63	4.94
n-Pentane	0.98	8.41	1.31	8.72	0.95	7.66	0.50	6.24
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	0.03	0.38	0.03	0.38	0.03	0.33	0.02	0.25
CyC5	0.11	0.39	0.15	0.41	0.12	0.40	0.07	0.39
2,3-DMC4	0.05	0.75	0.07	0.76	0.06	0.67	0.03	0.49
2-MC5	0.24	4.28	0.30	4.42	0.23	3.63	0.12	2.45
3-MC5	0.15	2.38	0.18	2.44	0.14	2.08	0.08	1.45
n-Hexane	0.17	5.94	0.24	6.34	0.19	4.95	0.10	3.05
2,2-DMC5	0.00	0.21	0.00	0.21	0.00	0.19	0.00	0.15
MCyC5	0.28	2.38	0.37	2.43	0.29	2.25	0.17	1.89
2,4-DMC5	0.01	0.39	0.02	0.40	0.01	0.36	0.00	0.23
TMC4	0.00	0.06	0.00	0.06	0.00	0.05	0.00	0.00
Benzene	0.19	0.26	0.28	0.22	0.24	0.38	0.21	0.75
3,3-DMC5	0.00	0.12	0.00	0.12	0.00	0.11	0.00	0.08
CyC6	0.52	3.75	0.70	3.94	0.59	3.88	0.37	3.54
2-MC6	0.05	1.92	0.06	2.00	0.05	1.77	0.03	1.10
2,3-DMC5	0.02	0.62	0.03	0.63	0.02	0.58	0.00	0.40
1,1-DMC5	0.03	0.40	0.03	0.40	0.03	0.38	0.02	0.30
3-MC6	0.06	2.02	0.08	2.09	0.06	1.87	0.03	1.18
DMCyC5	0.03	0.54	0.04	0.55	0.03	0.50	0.02	0.36
DMCyC5	0.03	0.63	0.04	0.64	0.03	0.59	0.02	0.42
DMCyC5	0.05	0.88	0.06	0.87	0.05	0.82	0.03	0.62
n-Heptane	0.03	3.61	0.04	3.97	0.04	3.20	0.03	1.85
MCyC6	0.52	7.51	0.66	7.68	0.56	7.61	0.35	6.26
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	0.18	0.00	0.19	0.00	0.21	0.00	0.15
2,4-DMC6	0.02	0.54	0.03	0.56	0.02	0.58	0.00	0.40
TMCyC5	0.01	0.34	0.01	0.35	0.01	0.36	0.00	0.26
TMCyC5	0.01	0.19	0.01	0.20	0.00	0.21	0.00	0.15
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.18	0.58	0.28	0.58	0.20	0.71	0.12	0.99
TMCyC5	0.00	0.15	0.00	0.16	0.00	0.17	0.00	0.12
2,3-DMC6	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
3-Et,2-MC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MC7	0.02	1.14	0.02	1.23	0.02	1.29	0.00	0.86
4-MC7	0.01	0.39	0.01	0.42	0.00	0.44	0.00	0.29
3,4-DMC6	0.00	0.08	0.00	0.08	0.00	0.08	0.00	0.00
3-MC7	0.02	0.88	0.02	0.95	0.02	1.00	0.00	0.69
DMCyC6	0.04	1.01	0.05	1.03	0.04	1.06	0.03	0.79
DMCyC6	0.02	0.47	0.03	0.48	0.02	0.49	0.00	0.37
DMCyC6	0.01	0.22	0.01	0.23	0.01	0.25	0.00	0.19
DMCyC6?	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
DMCyC6	0.00	0.09	0.00	0.09	0.00	0.09	0.00	0.00
? RI= 797	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
n-Octane	0.03	1.83	0.03	2.02	0.03	1.94	0.02	1.36
? RI= 806	0.01	0.25	0.01	0.27	0.01	0.28	0.00	0.18
? RI= 815	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
? RI= 820	0.00	0.06	0.00	0.06	0.00	0.07	0.00	0.00
? RI= 826	0.00	0.08	0.00	0.09	0.00	0.11	0.00	0.09
DMCyC6?	0.00	0.34	0.00	0.37	0.00	0.44	0.00	0.27
EtCyC6	0.03	0.69	0.04	0.74	0.03	0.80	0.02	0.65
unsp. Napht	0.01	0.23	0.01	0.25	0.00	0.31	0.00	0.24
? RI= 846	0.00	0.06	0.00	0.07	0.00	0.07	0.00	0.00
EtBenzene	0.01	0.06	0.01	0.07	0.00	0.06	0.00	0.00
? RI= 859	0.00	0.17	0.00	0.19	0.00	0.22	0.00	0.17
m+p-Xylene	0.04	0.61	0.08	0.69	0.04	0.73	0.02	0.64
4-+2-MC8?	0.01	0.26	0.00	0.28	0.00	0.33	0.00	0.26
? RI= 883	0.00	0.05	0.00	0.05	0.00	0.06	0.00	0.00
o-Xylene	0.01	0.06	0.02	0.07	0.01	0.07	0.00	0.00
? RI= 891	0.00	0.07	0.00	0.07	0.00	0.08	0.00	0.00
MC8+C4CyC6	0.00	0.12	0.00	0.13	0.00	0.15	0.00	0.00
C4CyC6?	0.00	0.06	0.00	0.06	0.00	0.07	0.00	0.00
n-Nonane	0.00	0.48	0.00	0.53	0.00	0.56	0.00	0.45
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:								
ppm (vol)	48870.3	9432.7	39887.1	13169.2	35518.9	8354.8	23567.6	4419.4

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

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

IKU-ID DEPTH	384621 1570m H	384622 1570m O	384631 1580m H	384632 1580m O	384641 1590m H	384642 1590m O	384651 1600m H	384652 1600m O
COMPOUND								
Methane	72.65	11.13	83.22	17.29	72.76	21.50	64.43	10.57
Ethane	0.00	0.46	0.00	0.48	0.00	0.50	0.00	0.31
Ethane	17.14	19.29	9.52	11.55	11.60	5.41	12.51	2.95
Propene	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.11
Propane	7.21	27.09	4.07	15.31	7.51	9.05	10.63	6.61
i-Butane	0.66	4.34	0.55	3.31	1.46	2.79	2.14	3.23
? RI= 360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05
n-Butane	1.30	13.92	1.00	10.33	2.52	8.66	4.31	8.70
2,2-DMC3	0.00	0.00	0.00	0.00	0.04	0.14	0.04	0.15
i-Pentane	0.23	3.93	0.28	4.36	0.88	4.89	1.24	6.24
n-Pentane	0.18	4.14	0.21	4.89	0.69	5.95	1.20	8.04
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	0.00	0.17	0.01	0.28	0.04	0.38	0.04	0.43
CyC5	0.03	0.33	0.03	0.33	0.06	0.28	0.09	0.27
2,3-DMC4	0.00	0.29	0.02	0.48	0.06	0.63	0.06	0.77
2-MC5	0.03	1.13	0.06	1.92	0.19	2.67	0.26	3.99
3-MC5	0.02	0.71	0.04	1.21	0.12	1.62	0.16	2.29
n-Hexane	0.03	1.28	0.04	2.57	0.18	4.13	0.27	6.60
2,2-DMC5	0.00	0.00	0.00	0.13	0.00	0.19	0.01	0.23
MCyC5	0.07	1.21	0.10	1.96	0.24	2.12	0.33	2.34
2,4-DMC5	0.00	0.00	0.00	0.21	0.01	0.30	0.01	0.39
TMC4	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.07
Benzene	0.12	0.87	0.11	0.83	0.12	0.44	0.17	0.17
3,3-DMC5	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.13
CyC6	0.15	2.38	0.22	3.77	0.48	3.82	0.66	4.05
2-MC6	0.00	0.37	0.02	0.88	0.04	1.31	0.05	1.95
2,3-DMC5	0.00	0.14	0.00	0.33	0.02	0.45	0.02	0.60
1,1-DMC5	0.00	0.13	0.00	0.25	0.02	0.31	0.03	0.39
3-MC6	0.00	0.39	0.02	0.92	0.05	1.35	0.06	2.01
DMCyC5	0.00	0.15	0.01	0.32	0.02	0.41	0.03	0.51
DMCyC5	0.00	0.17	0.01	0.37	0.03	0.47	0.04	0.60
DMCyC5	0.00	0.27	0.02	0.56	0.04	0.67	0.05	0.82
n-Heptane	0.00	0.62	0.01	1.73	0.05	2.88	0.06	4.43
MCyC6	0.12	2.70	0.24	5.88	0.48	6.96	0.60	7.83
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	0.00	0.00	0.12	0.00	0.15	0.00	0.20
2,4-DMC6	0.00	0.14	0.01	0.34	0.02	0.43	0.03	0.56
TMCyC5	0.00	0.00	0.00	0.17	0.00	0.21	0.01	0.32
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.17
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.06	0.65	0.08	1.02	0.10	0.74	0.17	0.44
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.15
2,3-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
3-Et,2-MC5	0.00	0.25	0.00	0.63	0.01	0.78	0.02	0.00
2-MC7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.17
4-MC7	0.00	0.00	0.00	0.21	0.00	0.29	0.01	0.42
3,4-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07
3-MC7	0.00	0.20	0.00	0.53	0.01	0.70	0.02	0.96
DMCyC6	0.00	0.25	0.02	0.62	0.03	0.78	0.04	0.95
DMCyC6	0.00	0.00	0.00	0.30	0.01	0.38	0.02	0.45
DMCyC6	0.00	0.00	0.00	0.13	0.01	0.18	0.01	0.22
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
DMCyC6	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.07
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Octane	0.00	0.45	0.01	1.28	0.03	1.78	0.03	2.28
? RI= 806	0.00	0.00	0.00	0.15	0.01	0.18	0.01	0.25
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 820	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06
? RI= 826	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08
DMCyC6?	0.00	0.00	0.00	0.17	0.00	0.23	0.00	0.32
EtCyC6	0.00	0.19	0.02	0.50	0.02	0.57	0.03	0.70
unsp. Napht	0.00	0.00	0.00	0.13	0.00	0.14	0.01	0.21
? RI= 846	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06
EtBenzene	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.04
? RI= 859	0.00	0.00	0.00	0.10	0.00	0.12	0.00	0.16
m+p-Xylene	0.00	0.12	0.02	0.52	0.02	0.56	0.04	0.60
4-+2-MC8?	0.00	0.00	0.00	0.18	0.00	0.21	0.00	0.27
? RI= 883	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05
o-Xylene	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.05
? RI= 891	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06
MC8+C4CyC6	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.12
C4CyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05
n-Nonane	0.00	0.16	0.00	0.42	0.00	0.55	0.00	0.60
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:								
ppm (vol)	22235.0	2843.4	30735.8	3536.4	45202.6	5331.7	46798.0	11525.3

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

COMPOSITION OF HEADSPACE (H) AND OCCLUDED (O) GAS		(volume percent of hydrocarbons)							
IKU-ID	384661	384662	384671	384672	384681	384682	384691	384692	
DEPTH	1610m H	1610m O	1620m H	1620m O	1630m H	1630m O	1640m H	1640m O	
COMPOUND									
Methane	61.00	10.03	57.62	6.44	64.48	10.90	60.54	8.63	
Ethene	0.00	0.31	0.00	0.27	0.00	0.25	0.00	0.29	
Ethane	15.99	5.85	20.09	8.48	15.32	4.82	18.07	6.40	
Propene	0.00	0.00	0.00	0.09	0.00	0.08	0.00	0.10	
Propane	11.94	10.99	13.56	15.56	10.80	9.52	12.00	11.51	
i-Butane	2.24	3.48	2.06	4.15	1.89	3.63	2.00	3.73	
? RI= 360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
n-Butane	3.84	10.19	3.39	12.14	3.58	10.15	3.48	10.62	
2,2-DMC3	0.05	0.15	0.04	0.15	0.04	0.17	0.05	0.18	
i-Pentane	1.14	5.82	0.80	5.64	0.93	6.17	0.97	6.25	
n-Pentane	0.94	7.17	0.65	7.11	0.89	8.29	0.81	7.77	
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,2-DMC4?	0.04	0.40	0.03	0.34	0.03	0.43	0.04	0.44	
CyC5	0.07	0.29	0.06	0.32	0.06	0.31	0.06	0.30	
2,3-DMC4	0.06	0.69	0.04	0.58	0.04	0.69	0.05	0.71	
2-MC5	0.24	3.45	0.14	2.91	0.17	3.35	0.18	3.48	
3-MC5	0.15	2.01	0.08	1.70	0.10	1.96	0.11	2.03	
n-Hexane	0.23	4.94	0.15	4.36	0.22	6.63	0.19	5.49	
2,2-DMC5	0.01	0.21	0.00	0.17	0.00	0.19	0.00	0.20	
MCyC5	0.25	2.17	0.16	1.98	0.20	2.30	0.19	2.13	
2,4-DMC5	0.02	0.36	0.01	0.29	0.01	0.31	0.01	0.34	
TMC4	0.00	0.06	0.00	0.05	0.00	0.06	0.00	0.06	
Benzene	0.15	0.36	0.14	0.42	0.11	0.26	0.12	0.27	
3,3-DMC5	0.00	0.12	0.00	0.10	0.00	0.11	0.00	0.12	
CyC6	0.50	3.78	0.33	3.59	0.38	4.03	0.39	3.75	
2-MC6	0.06	1.66	0.03	1.38	0.03	1.49	0.04	1.60	
2,3-DMC5	0.02	0.55	0.01	0.45	0.01	0.46	0.01	0.51	
1,1-DMC5	0.02	0.36	0.01	0.32	0.01	0.33	0.02	0.37	
3-MC6	0.06	1.74	0.03	1.45	0.03	1.52	0.04	1.66	
DMCyC5	0.03	0.46	0.01	0.38	0.02	0.43	0.02	0.44	
DMCyC5	0.03	0.54	0.02	0.45	0.02	0.49	0.02	0.52	
DMCyC5	0.05	0.76	0.02	0.63	0.03	0.69	0.03	0.71	
n-Heptane	0.06	3.12	0.04	2.65	0.06	4.32	0.05	3.30	
MCyC6	0.46	6.99	0.26	5.76	0.31	6.77	0.32	6.46	
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,5-DMC6	0.00	0.20	0.00	0.18	0.00	0.12	0.00	0.18	
2,4-DMC6	0.02	0.51	0.01	0.42	0.01	0.41	0.01	0.46	
TMCyC5	0.01	0.32	0.00	0.28	0.00	0.21	0.00	0.29	
TMCyC5	0.00	0.17	0.00	0.16	0.00	0.11	0.00	0.16	
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Toluene	0.12	0.62	0.10	0.63	0.09	0.50	0.09	0.45	
TMCyC5	0.00	0.14	0.00	0.13	0.00	0.10	0.00	0.13	
2,3-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
3-Et,2-MC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2-MC7	0.02	1.08	0.01	0.96	0.01	0.76	0.01	0.97	
4-MC7	0.00	0.38	0.00	0.33	0.00	0.28	0.00	0.34	
3,4-DMC6	0.00	0.07	0.00	0.06	0.00	0.05	0.00	0.06	
3-MC7	0.02	0.87	0.01	0.76	0.01	0.65	0.01	0.78	
DMCyC6	0.04	0.88	0.02	0.74	0.02	0.73	0.02	0.78	
DMCyC6	0.02	0.41	0.01	0.34	0.01	0.35	0.01	0.37	
DMCyC6	0.01	0.20	0.00	0.17	0.00	0.16	0.00	0.18	
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
DMCyC6	0.00	0.09	0.00	0.07	0.00	0.05	0.00	0.08	
? RI= 797	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
n-Octane	0.03	1.77	0.02	1.53	0.02	2.04	0.02	1.67	
? RI= 806	0.01	0.19	0.00	0.15	0.00	0.16	0.00	0.16	
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
? RI= 820	0.00	0.07	0.00	0.06	0.00	0.04	0.00	0.06	
? RI= 826	0.00	0.09	0.00	0.08	0.00	0.05	0.00	0.08	
DMCyC6?	0.00	0.34	0.00	0.33	0.00	0.20	0.00	0.30	
EtCyC6	0.03	0.65	0.01	0.56	0.01	0.50	0.02	0.56	
unsp. Napht	0.00	0.22	0.00	0.21	0.00	0.12	0.00	0.19	
? RI= 846	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	
EtBenzene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
? RI= 859	0.00	0.17	0.00	0.15	0.00	0.10	0.00	0.15	
m+p-Xylene	0.02	0.59	0.02	0.51	0.02	0.43	0.02	0.47	
4-+2-MC8?	0.00	0.26	0.00	0.23	0.00	0.16	0.00	0.22	
? RI= 883	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
o-Xylene	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	
? RI= 891	0.00	0.06	0.00	0.05	0.00	0.00	0.00	0.00	
MC8+C4CyC6	0.00	0.11	0.00	0.09	0.00	0.08	0.00	0.09	
C4CyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
n-Nonane	0.00	0.50	0.00	0.44	0.00	0.51	0.00	0.44	
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Values used for normalisation:									
ppm (vol)	39305.1	6459.7	51526.0	7956.0	65710.8	9433.8	53914.1	7249.1	

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

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

IKU-ID DEPTH	384701 1650m H	384702 1650m O	384711 1660m H	384712 1660m O	384721 1670m H	384722 1670m O	384731 1680m H	384732 1680m O
COMPOUND								
Methane	51.33	5.77	48.93	3.46	47.12	3.81	42.09	7.97
Ethene	0.00	0.25	0.00	0.27	0.00	0.27	0.37	0.58
Ethane	18.14	2.56	15.96	1.43	16.04	1.79	15.05	1.60
Propene	0.00	0.09	0.00	0.10	0.00	0.10	0.00	0.23
Propane	15.29	7.55	15.09	5.03	15.25	5.35	16.69	4.61
i-Butane	2.45	3.34	2.81	2.66	3.03	2.61	3.37	1.61
? RI= 360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	5.24	9.52	6.21	7.73	6.44	7.57	7.23	6.09
2,2-DMC3	0.04	0.14	0.05	0.12	0.07	0.13	0.09	0.00
i-Pentane	1.47	6.68	2.09	6.62	2.40	6.60	2.82	4.36
n-Pentane	1.47	8.81	2.16	8.89	2.31	8.45	2.56	6.30
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	0.05	0.42	0.07	0.45	0.09	0.49	0.13	0.36
CyC5	0.12	0.30	0.14	0.26	0.14	0.23	0.17	0.20
2,3-DMC4	0.08	0.82	0.12	0.89	0.15	0.93	0.21	0.70
2-MC5	0.39	4.97	0.63	5.62	0.72	5.53	0.89	4.05
3-MC5	0.24	2.78	0.38	3.10	0.43	3.04	0.55	2.30
n-Hexane	0.37	7.18	0.60	7.94	0.62	7.30	0.71	5.40
2,2-DMC5	0.01	0.25	0.02	0.32	0.03	0.37	0.04	0.35
MCyC5	0.37	2.12	0.48	2.10	0.53	1.95	0.70	1.79
2,4-DMC5	0.02	0.47	0.04	0.58	0.04	0.65	0.06	0.57
TMC4	0.00	0.06	0.00	0.07	0.00	0.09	0.00	0.00
Benzene	0.23	0.18	0.28	0.14	0.26	0.14	0.46	0.26
3,3-DMC5	0.00	0.14	0.00	0.17	0.02	0.18	0.00	0.18
CyC6	0.74	3.57	0.97	3.58	1.08	3.35	1.46	3.18
2-MC6	0.09	2.38	0.16	3.03	0.18	3.14	0.23	2.83
2,3-DMC5	0.04	0.71	0.06	0.87	0.07	0.89	0.10	0.87
1,1-DMC5	0.05	0.50	0.07	0.56	0.08	0.52	0.10	0.47
3-MC6	0.11	2.48	0.19	3.13	0.21	3.17	0.27	2.92
DMCyC5	0.05	0.55	0.07	0.61	0.07	0.55	0.10	0.55
DMCyC5	0.05	0.67	0.08	0.76	0.08	0.70	0.11	0.71
DMCyC5	0.08	0.89	0.11	0.97	0.12	0.88	0.17	0.92
n-Heptane	0.08	4.40	0.14	5.17	0.15	4.94	0.20	4.77
MCyC6	0.74	7.06	1.08	7.91	1.19	7.46	1.78	8.67
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	0.23	0.00	0.33	0.01	0.42	0.00	0.56
2,4-DMC6	0.03	0.57	0.05	0.72	0.06	0.78	0.08	1.00
TMCyC5	0.02	0.43	0.03	0.53	0.03	0.52	0.05	0.62
TMCyC5	0.01	0.28	0.02	0.33	0.02	0.25	0.00	0.34
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.22	0.38	0.29	0.38	0.24	0.35	0.41	0.58
TMCyC5	0.00	0.17	0.00	0.23	0.00	0.26	0.00	0.34
2,3-DMC6	0.00	0.04	0.00	0.04	0.00	0.05	0.00	0.00
3-Et,2-MC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MC7	0.03	1.32	0.06	1.78	0.07	2.07	0.09	2.68
4-MC7	0.01	0.46	0.02	0.62	0.03	0.72	0.00	0.96
3,4-DMC6	0.00	0.09	0.00	0.11	0.00	0.13	0.00	0.16
3-MC7	0.03	1.04	0.06	1.41	0.07	1.64	0.09	2.22
DMCyC6	0.07	1.01	0.10	1.19	0.10	1.09	0.14	1.47
DMCyC6	0.03	0.48	0.05	0.57	0.05	0.57	0.07	0.80
DMCyC6	0.02	0.23	0.03	0.28	0.03	0.28	0.05	0.38
DMCyC6?	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
DMCyC6	0.00	0.07	0.00	0.09	0.00	0.08	0.00	0.16
? RI= 797	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
n-Octane	0.05	2.02	0.07	2.30	0.08	2.41	0.13	3.53
? RI= 806	0.02	0.27	0.02	0.32	0.03	0.30	0.00	0.31
? RI= 815	0.00	0.00	0.00	0.04	0.00	0.03	0.00	0.00
? RI= 820	0.00	0.06	0.00	0.09	0.00	0.15	0.00	0.23
? RI= 826	0.00	0.09	0.00	0.13	0.00	0.17	0.00	0.32
DMCyC6?	0.00	0.37	0.00	0.49	0.02	0.61	0.00	1.08
EtCyC6	0.05	0.68	0.07	0.86	0.08	0.93	0.12	1.64
unsp.Napht	0.02	0.27	0.03	0.36	0.03	0.40	0.00	0.63
? RI= 846	0.00	0.07	0.00	0.09	0.00	0.10	0.00	0.13
EtBenzene	0.00	0.04	0.00	0.05	0.00	0.05	0.00	0.00
? RI= 859	0.00	0.20	0.00	0.24	0.01	0.27	0.00	0.43
m+p-Xylene	0.05	0.50	0.07	0.63	0.08	0.78	0.09	1.49
4+2-MC8?	0.00	0.25	0.02	0.33	0.02	0.43	0.00	0.82
? RI= 883	0.00	0.05	0.00	0.06	0.00	0.07	0.00	0.11
o-Xylene	0.01	0.04	0.02	0.04	0.01	0.04	0.00	0.00
? RI= 891	0.00	0.06	0.00	0.07	0.00	0.08	0.00	0.13
MC8+C4CyC6	0.00	0.11	0.00	0.14	0.00	0.15	0.00	0.25
C4CyC6?	0.00	0.05	0.00	0.07	0.00	0.07	0.00	0.11
n-Nonane	0.00	0.46	0.00	0.47	0.00	0.58	0.00	1.17
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:								
ppm (vol)	31520.5	10909.9	23877.1	11213.2	25683.9	10474.4	8154.4	3707.0

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

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

IKU-ID DEPTH	384741 1690m H	384742 1690m O	384751 1700m H	384752 1700m O	384761 1710m H	384762 1710m O	384771 1720m H	384772 1720m O
COMPOUND								
Methane	56.30	10.17	59.40	15.22	65.07	18.45	60.12	17.47
Ethene	0.32	0.45	0.00	0.78	0.00	0.75	0.00	0.72
Ethane	21.27	9.53	18.31	7.59	18.79	10.94	19.04	5.51
Propene	0.00	0.17	0.00	0.36	0.00	0.00	0.00	0.00
Propane	13.39	17.57	12.58	13.70	10.01	19.26	11.97	10.27
i-Butane	1.73	3.86	1.82	2.91	1.15	3.31	1.78	2.45
? RI= 360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	3.20	12.13	3.52	9.77	2.17	11.88	3.10	8.48
2,2-DMC3	0.00	0.13	0.00	0.00	0.00	0.00	0.04	0.00
i-Pentane	0.80	4.98	0.99	3.99	0.52	3.80	0.86	4.00
n-Pentane	0.61	5.85	0.78	5.12	0.38	4.91	0.64	5.25
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	0.03	0.33	0.05	0.27	0.00	0.23	0.04	0.30
CyC5	0.08	0.29	0.07	0.31	0.06	0.33	0.08	0.30
2,3-DMC4	0.05	0.53	0.07	0.46	0.00	0.38	0.05	0.50
2-MC5	0.16	2.34	0.24	2.10	0.13	1.66	0.17	2.34
3-MC5	0.10	1.37	0.15	1.26	0.09	1.02	0.11	1.40
n-Hexane	0.12	3.12	0.13	3.00	0.06	2.34	0.13	3.78
2,2-DMC5	0.00	0.21	0.00	0.18	0.00	0.00	0.00	0.19
MCyC5	0.21	1.54	0.25	1.80	0.18	1.66	0.25	2.04
2,4-DMC5	0.00	0.30	0.00	0.26	0.00	0.00	0.00	0.30
TMC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.21	0.39	0.15	0.66	0.16	0.73	0.13	0.42
3,3-DMC5	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	0.51	2.81	0.50	3.34	0.39	3.38	0.56	3.91
2-MC6	0.04	1.23	0.06	1.17	0.00	0.74	0.04	1.47
2,3-DMC5	0.00	0.39	0.00	0.40	0.00	0.28	0.00	0.48
1,1-DMC5	0.00	0.23	0.00	0.26	0.00	0.00	0.00	0.29
3-MC6	0.05	1.20	0.07	1.20	0.05	0.77	0.05	1.52
DMCyC5	0.00	0.25	0.00	0.32	0.00	0.25	0.02	0.39
DMCyC5	0.00	0.31	0.03	0.39	0.00	0.30	0.03	0.47
DMCyC5	0.04	0.43	0.05	0.57	0.05	0.46	0.04	0.65
n-Heptane	0.04	2.96	0.04	3.06	0.00	1.80	0.04	3.67
MCyC6	0.47	4.38	0.54	5.95	0.49	5.20	0.51	7.56
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	0.22	0.00	0.21	0.00	0.00	0.00	0.21
2,4-DMC6	0.00	0.40	0.00	0.46	0.00	0.28	0.00	0.54
TMCyC5	0.00	0.22	0.00	0.25	0.00	0.00	0.00	0.30
TMCyC5	0.00	0.09	0.00	0.12	0.00	0.00	0.00	0.15
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.12	0.42	0.09	0.83	0.10	0.72	0.08	0.67
TMCyC5	0.00	0.13	0.00	0.15	0.00	0.00	0.00	0.17
2,3-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-Et,2-MC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MC7	0.00	1.01	0.00	1.12	0.00	0.52	0.00	1.24
4-MC7	0.00	0.36	0.00	0.39	0.00	0.00	0.00	0.45
3,4-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MC7	0.00	0.83	0.00	0.94	0.00	0.45	0.00	1.08
DMCyC6	0.04	0.54	0.05	0.77	0.06	0.51	0.04	1.00
DMCyC6	0.00	0.24	0.00	0.35	0.00	0.00	0.00	0.46
DMCyC6	0.00	0.13	0.00	0.19	0.00	0.00	0.00	0.22
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	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	2.43	0.04	3.06	0.04	1.46	0.03	3.02
? RI= 806	0.00	0.11	0.00	0.17	0.00	0.00	0.00	0.23
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 820	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 826	0.00	0.11	0.00	0.14	0.00	0.00	0.00	0.00
DMCyC6?	0.00	0.38	0.00	0.49	0.00	0.00	0.00	0.35
EtCyC6	0.03	0.58	0.03	0.84	0.05	0.44	0.03	0.92
unsp.Napht	0.00	0.18	0.00	0.25	0.00	0.00	0.00	0.29
? RI= 846	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EtBenzene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 859	0.00	0.14	0.00	0.20	0.00	0.00	0.00	0.22
m+p-Xylene	0.00	0.61	0.00	0.89	0.00	0.24	0.00	0.81
4-+2-MC8?	0.00	0.29	0.00	0.42	0.00	0.00	0.00	0.39
? RI= 883	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 891	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MC8+C4CyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C4CyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Nonane	0.00	0.92	0.00	1.40	0.00	0.54	0.00	1.16
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:								
ppm (vol)	10915.5	4596.7	11718.8	2965.1	8831.7	1568.8	14989.6	2325.5

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

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

IKU-ID DEPTH	384781 1730m H	384782 1730m O	384791 1740m H	384792 1740m O	384801 1750m H	384802 1750m O	384811 1760m H	384812 1760m O
COMPOUND								
Methane	53.25	13.81	51.81	13.82	66.46	17.26	71.68	16.83
Ethene	0.00	0.60	0.37	0.59	0.00	0.00	0.00	0.51
Ethane	23.00	6.69	17.09	2.57	19.27	8.10	10.49	8.97
Propene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Propane	15.02	16.64	13.71	8.23	9.77	18.91	7.55	8.52
i-Butane	1.92	3.66	2.54	2.59	1.04	3.48	1.60	2.15
? RI= 360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	3.55	12.69	4.88	10.04	1.86	12.23	2.76	7.27
2,2-DMC3	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00
i-Pentane	0.77	4.38	1.69	4.86	0.38	3.62	1.06	3.92
n-Pentane	0.57	5.55	1.27	6.89	0.25	4.89	0.79	5.04
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	0.00	0.28	0.08	0.33	0.00	0.00	0.05	0.32
CyC5	0.09	0.38	0.17	0.37	0.05	0.34	0.09	0.25
2,3-DMC4	0.00	0.46	0.13	0.61	0.00	0.32	0.08	0.56
2-MC5	0.12	1.98	0.41	2.94	0.06	1.42	0.27	2.67
3-MC5	0.08	1.21	0.27	1.74	0.04	0.94	0.17	1.57
n-Hexane	0.09	2.75	0.29	4.43	0.03	2.26	0.22	3.99
2,2-DMC5	0.00	0.00	0.00	0.21	0.00	0.00	0.00	0.21
MCyC5	0.24	1.97	0.71	2.72	0.12	1.78	0.41	2.14
2,4-DMC5	0.00	0.23	0.00	0.34	0.00	0.00	0.02	0.35
TMC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.19	0.67	0.28	0.38	0.09	0.79	0.13	0.30
3,3-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13
CyC6	0.55	3.77	1.42	4.52	0.27	3.13	0.73	3.30
2-MC6	0.00	1.00	0.11	1.56	0.00	0.84	0.07	1.65
2,3-DMC5	0.00	0.37	0.00	0.55	0.00	0.30	0.03	0.56
1,1-DMC5	0.00	0.26	0.00	0.33	0.00	0.00	0.04	0.32
3-MC6	0.00	1.07	0.14	1.65	0.00	0.93	0.08	1.71
DMCyC5	0.00	0.32	0.07	0.51	0.00	0.00	0.05	0.49
DMCyC5	0.00	0.38	0.08	0.59	0.00	0.35	0.05	0.57
DMCyC5	0.00	0.57	0.12	0.83	0.00	0.51	0.07	0.79
n-Heptane	0.00	2.18	0.10	3.43	0.00	1.76	0.07	3.37
MCyC6	0.43	6.17	1.51	9.07	0.24	5.55	0.90	8.14
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	0.00	0.00	0.21	0.00	0.00	0.00	0.22
2,4-DMC6	0.00	0.41	0.06	0.61	0.00	0.40	0.04	0.60
TMCyC5	0.00	0.24	0.00	0.32	0.00	0.00	0.00	0.32
TMCyC5	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.18
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.11	0.75	0.24	0.63	0.05	0.87	0.12	0.47
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.40	0.00	0.17
2,3-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-Et,2-MC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MC7	0.00	0.91	0.00	1.20	0.00	1.01	0.02	1.20
4-MC7	0.00	0.31	0.00	0.43	0.00	0.34	0.00	0.45
3,4-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MC7	0.00	0.76	0.06	1.04	0.00	0.81	0.03	1.07
DMCyC6	0.00	0.81	0.13	1.17	0.00	0.84	0.07	1.20
DMCyC6	0.00	0.35	0.06	0.53	0.00	0.36	0.03	0.57
DMCyC6	0.00	0.18	0.00	0.25	0.00	0.00	0.02	0.26
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	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	1.94	0.11	2.61	0.00	1.94	0.05	2.43
? RI= 806	0.00	0.19	0.00	0.28	0.00	0.00	0.02	0.30
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 820	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 826	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12
DMCyC6?	0.00	0.25	0.00	0.34	0.00	0.33	0.00	0.43
EtCyC6	0.00	0.65	0.10	0.96	0.00	0.80	0.05	0.94
unsp. Napht	0.00	0.22	0.00	0.30	0.00	0.39	0.00	0.27
? RI= 846	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EtBenzene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 859	0.00	0.19	0.00	0.24	0.00	0.00	0.00	0.23
m+p-Xylene	0.00	0.66	0.00	0.77	0.00	0.55	0.03	0.71
4-+2-MC8?	0.00	0.32	0.00	0.38	0.00	0.44	0.00	0.35
? RI= 883	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 891	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MC8+C4CyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15
C4CyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Nonane	0.00	0.80	0.00	0.87	0.00	0.86	0.00	0.75
SUM:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:								
ppm (vol)	7737.5	2013.2	6218.0	2037.7	12117.5	1136.3	19031.5	3865.6

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

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

IKU-ID DEPTH	384821 1770m H	384822 1770m O	384831 1780m H	384832 1780m O	384841 1790m H	384842 1790m O	384851 1800m H	384852 1800m O
COMPOUND								
Methane	86.86	17.19	88.34	26.64	76.24	15.80	76.74	17.01
Ethene	0.00	0.37	0.00	0.21	0.00	0.52	0.00	0.41
Ethane	8.08	15.90	8.67	32.30	15.46	21.40	15.54	28.34
Propene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Propane	2.93	20.09	2.29	26.21	6.26	29.44	3.89	30.75
i-Butane	0.42	3.51	0.18	2.62	0.54	3.61	0.46	3.02
? RI= 360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	0.64	10.72	0.29	6.83	0.91	11.78	0.85	10.00
2,2-DMC3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
i-Pentane	0.20	3.36	0.05	1.28	0.15	2.46	0.13	1.88
n-Pentane	0.12	3.88	0.04	1.23	0.10	2.98	0.09	2.15
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	0.01	0.22	0.00	0.06	0.00	0.00	0.00	0.00
CyC5	0.02	0.28	0.01	0.08	0.00	0.21	0.00	0.16
2,3-DMC4	0.02	0.35	0.00	0.09	0.00	0.22	0.00	0.15
2-MC5	0.05	1.32	0.01	0.29	0.03	0.87	0.00	0.58
3-MC5	0.03	0.81	0.01	0.17	0.02	0.51	0.00	0.34
n-Hexane	0.03	1.82	0.01	0.32	0.00	1.04	0.00	0.62
2,2-DMC5	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00
MCyC5	0.07	1.44	0.01	0.25	0.04	0.82	0.04	0.56
2,4-DMC5	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00
TMC4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.05	0.58	0.01	0.13	0.04	0.42	0.05	0.32
3,3-DMC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	0.15	2.44	0.03	0.41	0.09	1.44	0.10	0.98
2-MC6	0.02	0.69	0.00	0.07	0.00	0.44	0.00	0.19
2,3-DMC5	0.00	0.27	0.00	0.00	0.00	0.17	0.00	0.00
1,1-DMC5	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.00
3-MC6	0.02	0.72	0.00	0.07	0.00	0.45	0.00	0.20
DMCyC5	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC5	0.00	0.27	0.00	0.00	0.00	0.15	0.00	0.00
DMCyC5	0.02	0.40	0.00	0.05	0.00	0.22	0.00	0.14
n-Heptane	0.01	1.33	0.00	0.12	0.00	0.64	0.00	0.28
MCyC6	0.19	4.12	0.04	0.43	0.11	2.22	0.12	1.33
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6	0.00	0.29	0.00	0.00	0.00	0.17	0.00	0.00
TMCyC5	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.03	0.50	0.00	0.05	0.00	0.25	0.00	0.16
TMCyC5	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-Et, 2-MC5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-MC7	0.00	0.62	0.00	0.04	0.00	0.35	0.00	0.12
4-MC7	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MC7	0.00	0.55	0.00	0.00	0.00	0.29	0.00	0.00
DMCyC6	0.02	0.59	0.00	0.00	0.00	0.28	0.00	0.12
DMCyC6	0.00	0.27	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	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	1.25	0.00	0.07	0.00	0.48	0.00	0.20
? RI= 806	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 820	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 826	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6?	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00
EtCyC6	0.02	0.51	0.00	0.00	0.00	0.23	0.00	0.00
unsp. Napht	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 846	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EtBenzene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 859	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00
m+p-Xylene	0.00	0.47	0.00	0.00	0.00	0.00	0.00	0.00
4-+2-MC8?	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 883	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 891	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MC8+C4CyC6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C4CyC6?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Nonane	0.00	0.56	0.00	0.00	0.00	0.14	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)	31755.8	4015.2	72503.2	7937.6	18382.2	2390.5	12880.9	3004.7

IKU Project 22.1906.00

Well 7321/9-1

Norsk Hydro et al.

COMPOSITION OF HEADSPACE (H) GAS		(volume percent of hydrocarbons)				
IKU-ID	384861	384871	384881	384891	384901	384911
DEPTH	790m H	1015m H	1250m H	1500m H	1750m H	1800m H
COMPOUND						
Methane	88.32	80.06	61.65	76.28	90.55	75.37
Ethene	0.00	0.00	0.00	0.47	0.00	0.68
Ethane	6.48	6.93	6.22	8.02	3.75	6.58
Propene	0.00	0.00	0.00	0.00	0.06	0.00
Propane	3.43	5.67	8.63	5.44	2.08	5.65
i-Butane	0.72	0.91	1.76	1.03	0.38	1.09
? RI= 360	0.00	0.14	2.43	0.00	0.00	0.00
Butene	0.00	0.00	0.00	0.00	0.00	0.00
n-Butane	1.05	2.45	5.68	2.48	0.87	2.70
2,2-DMC3	0.00	0.01	0.00	0.00	0.00	0.00
i-Pentane	0.00	0.63	1.79	0.80	0.27	0.83
n-Pentane	0.00	0.67	2.17	0.84	0.29	1.01
? RI= 509	0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC4?	0.00	0.02	0.05	0.00	0.00	0.00
CyC5	0.00	0.10	0.25	0.10	0.03	0.00
2,3-DMC4	0.00	0.03	0.13	0.06	0.00	0.00
2-MC5	0.00	0.19	0.74	0.31	0.13	0.46
3-MC5	0.00	0.12	0.45	0.19	0.08	0.27
n-Hexane	0.00	0.13	0.62	0.22	0.05	0.22
2,2-DMC5	0.00	0.00	0.00	0.00	0.00	0.00
MCyC5	0.00	0.27	0.85	0.38	0.13	0.40
2,4-DMC5	0.00	0.01	0.05	0.00	0.00	0.00
TMC4	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.00	0.08	0.23	0.19	0.05	0.18
3,3-DMC5	0.00	0.00	0.00	0.00	0.00	0.00
CyC6	0.00	0.28	1.08	0.58	0.20	0.63
2-MC6	0.00	0.05	0.23	0.12	0.06	0.22
2,3-DMC5	0.00	0.03	0.11	0.05	0.00	0.10
1,1-DMC5	0.00	0.02	0.09	0.00	0.00	0.00
3-MC6	0.00	0.07	0.29	0.15	0.08	0.29
DMCyC5	0.00	0.04	0.17	0.07	0.03	0.10
DMCyC5	0.00	0.05	0.18	0.08	0.04	0.12
DMCyC5	0.00	0.08	0.30	0.13	0.05	0.17
n-Heptane	0.00	0.05	0.25	0.09	0.00	0.00
MCyC6	0.00	0.36	1.74	0.98	0.45	1.50
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6	0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6	0.00	0.04	0.12	0.07	0.03	0.11
TMCyC5	0.00	0.02	0.08	0.00	0.00	0.00
TMCyC5	0.00	0.02	0.08	0.00	0.00	0.00
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.00	0.09	0.30	0.24	0.07	0.24
TMCyC5	0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC6	0.00	0.00	0.00	0.00	0.00	0.00
3-Et,2-MC5	0.00	0.00	0.00	0.00	0.00	0.00
2-MC7	0.00	0.02	0.10	0.06	0.00	0.09
4-MC7	0.00	0.01	0.00	0.00	0.00	0.00
3,4-DMC6	0.00	0.00	0.00	0.00	0.00	0.00
3-MC7	0.00	0.02	0.10	0.06	0.04	0.15
DMCyC6	0.00	0.05	0.24	0.14	0.08	0.29
DMCyC6	0.00	0.02	0.11	0.06	0.04	0.13
DMCyC6	0.00	0.01	0.06	0.00	0.00	0.00
DMCyC6?	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6	0.00	0.02	0.06	0.00	0.00	0.00
? RI= 797	0.00	0.01	0.00	0.00	0.00	0.00
n-Octane	0.00	0.05	0.22	0.11	0.05	0.19
? RI= 806	0.00	0.01	0.05	0.00	0.00	0.00
? RI= 815	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 820	0.00	0.00	0.00	0.00	0.00	0.00
? RI= 826	0.00	0.00	0.00	0.00	0.00	0.00
DMCyC6?	0.00	0.01	0.00	0.00	0.00	0.00
EtCyC6	0.00	0.03	0.17	0.10	0.06	0.23
unsp.Napht	0.00	0.02	0.07	0.00	0.00	0.00
? RI= 846	0.00	0.00	0.00	0.00	0.00	0.00
EtBenzene	0.00	0.01	0.00	0.00	0.00	0.00
? RI= 859	0.00	0.01	0.00	0.00	0.00	0.00
m+p-Xylene	0.00	0.04	0.10	0.08	0.00	0.00
4-+2-MC8?	0.00	0.01	0.00	0.00	0.00	0.00
? RI= 883	0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene	0.00	0.01	0.00	0.00	0.00	0.00
? RI= 891	0.00	0.00	0.00	0.00	0.00	0.00
MC8+C4CyC6	0.00	0.00	0.00	0.00	0.00	0.00
C4CyC6?	0.00	0.00	0.00	0.00	0.00	0.00
n-Nonane	0.00	0.01	0.00	0.00	0.00	0.00
SUM:	100.0	100.0	100.0	100.0	100.0	100.0
Values used for normalisation:						
ppm (vol)	1495.3	55629.0	7803.9	8274.4	12509.5	3592.9