(((
(ooo)
HYDRO

FORMATION PRESSURE WORKSHEET

Well No. : 7316/5-1 | Rig : Polar Pioneer | Date : 22/23.08.92

Pressure Units : bar | RKB-MSL : 23.0m | Witnessed by : Giskeodegaard

Run No. 3A / Test No.	Depth (MD)	Depth TVD(RKB)	Initial Hydrostatic Press		Formation Pressure		Final Hydrostatic Press		Time		Remarks
			Strain	HP	Strain	HP	Strain	HP	Set	Retract	
1	1340	1340	162.44	162.34	-	-	162.45	162.24	23:54	23:57	Tight
2	1340.5	1340.5	162.50	162.33	-	-	162.48	162.33	00:01	00:02	Tight
3	1343	1343	162.79	162.68	-	-	162.85	162.62	00:05	00:07	Tight
4	1346	1346	163.20	163.09	137.77	137.68	163.19	163.11	00:11	00:16	29 mD
5	1348	1348	163.36	163.38	137.77	137.82	163.39	163.47	00:22	00:28	130 mD
6	1354	1354	164.03	164.14	138.12	138.22	164.03	164.19	00:35	01:07	71 mD
7	1355	1355	164.14	164.30	137.93	138.02	164.14	164.29	01:13	01:30	First tight,reset OK
8	1357	1357	164.41	164.53	137.83	138.00	164.38	164.59	01:37	01:52	17 mD
9	1358.5	1358.5	164.55	164.80	137.85	138.05	164.54	164.81	01:58	02:03	137 mD
10	1363.5	1363.5	165.18	165.27	-	-	165.18	165.19	02:08	02:10	Tight
11	1368	1368	165.72	165.73	138.92	139.10	165.71	165.91	02:14	02:21	5 mD
12	1371.5	1371.5	166.14	166.27	139.18	139.23	166.13	166.24	02:28	02:31	130 mD
13	1373.5	1373.5	166.39	166.49	139.40	139.49	166.39	166.52	02:36	02:40	69 mD
14	1377	1377	166.77	166.94	140.00	140.09	166.82	166.91	02:46	02:55	11 mD

(((
(ooo)
HYDRO

FORMATION PRESSURE WORKSHEET

Well No. : 7316/5-1 | Rig : Polar Pioneer | Date : 22/23.08.92

Pressure Units : bar | RKB-MSL : 23.0m | Witnessed by : Giskeodegaard

Run No. 3A / Test No.	Depth (MD)	Depth TVD(RKB)	Initial Hydrostatic Press		Formation Pressure		Final Hydrostatic Press		Time		Remarks
			Strain	HP	Strain	HP	Strain	HP	Set	Retract	
15	1350	1350	163.53	163.88	137.72	138.13	163.57	166.75	03:00	03:48	Segregated Sample

(((
(ooo)
HYDRO

FORMATION FLUID SAMPLING

Well : 7316/5-1

Rig : Polar Pioneer

Pretest No. : 15	Sample Depth : 1350 m	Witnesses : Giskeodegaard

Run No. :3A	Sample No. : 1	1st Chamber	2nd Chamber	3rd Chamber
Chamber volume (gals)		2-3/4 gal	1 gal	
Chamber No.			RFS AC 1051	
Filling time (mins.)		26 mins	11 mins	
Shut in press. (bar)/T deg C		137.89 / 33.9	137.86 / 33.5	/
Chamber press. (surf bar)/T		112 / 10.0	/	/
Gas volume (SCF/Sm3)		31 SCF		
Oil volume (litres)		0		
Oil gravity (API/gm/cc)		-		
Water / Filtrate (litres)		0.8 litre		
Water / Filtrate ppm Cl-				
Water filtrate pH/pF/Ca++		/ /	/ /	/ /
Mud filtrate ppm Cl-		44 000 ppm		
Mud filtrate pH/pF/Ca++		6.9 / 0 / 1100	/ /	/ /
Gas composition %	C1	622 640 ppm		
	C2	904 ppm		
	C3	512 ppm		
	IC4	197 ppm		
	NC4	144 ppm		
	H2S			
	CO2			

Remarks : 1 gal chamber unopened at wellsite.

Note! Very high sand content in mud filtrate sample.

WELL TEST RESULTS				
WELL NO. 7316/5-1 - TEST NO. 1				
Perforated Interval (m MD RKB)	1338.5 - 1350.0 m MD RKB			
Flowperiod	Cleanup	Main		
Choke Size (mm)	25.40	9.53	17.46	25.40
Oil Flowrate (Sm^3/d)	0	0	0	0
Gas Flowrate (Sm^3/d)	520 000	160 000	390 000	563 000
GOR (Sm^3/Sm^3)	-	-	-	-
Oil Gravity (g/cc)	-	-	-	-
Gas Gravity (air=1.0)	0.600	0.600	0.600	0.600
FWHP (bar)	60.9	116.9	90.6	63.0
SIWHP (bar)	43.0	-	-	48.2
WHT (°C)	13.9	17.9	20.9	14.9
FBHP (bar)	94.2	131.6	113.0	97.8
SIBHP (bar)	137.2	-	-	137.1
BHT (°C)	38	42	38	34
BS&W (%)	0	0	0	0
Max. CO_2 (%)	0.4	0.3	0.3	0.3
Max. H_2S (ppm)	0.3	0.2	0.2	0.2
k (mD)	93.5	-	-	93.5
Skin	54.0	-	-	44.7
P_i (bar)	137.3	-	-	137.2
Depth of BH Measurement	1306.3 m MD RKB			

3.2 Test summary

DST no. 1

After finishing logging, a gauge ring and a junk basket were run to 1500 m. A 9 5/8" bridgeplug was set at 1410 m, but the plug failed to test. A new plug was set at 1406 m and the plug was tested to 300 bar. A run with 8 1/2" bit and 9 5/8" scraper was performed. The hole was displaced to seawater and flowchecked prior to displacing the hole to 1.24 sg calcium carbonate brine.

Perforation guns were run on the drill pipe, a correlation run with GR/CCl was performed and the well was perforated from 1338.5 m to 1350 m. A prepacked screen was run with a retrievable packer.

A ball was dropped to set the packer but no pressure test was achieved from the annulus side indicating the packer was not set. The packer with the screen was pulled out but got stuck at 908 m. The running tool was sheared out and the running string was pulled out leaving the packer and screen in the hole. The packer was retrieved using the packer retrieving tool, but the bottom of the packer and 43 m of the screen assembly was left in the hole. The top of the fish was located at 1370 m and it was decided that the fish should be left in the hole and to proceed with the test operation.

The back up prepacked screen and the packer were run and the packer was set at 1319 m. A stinger was run inside the screen and HCl was pumped to clean the screens and for injection into the formation.

The test string was run and the landing string was landed in the wellhead. The tubing was displaced to nitrogen cushion and the testvalve was opened for initial flow for 10 minutes before it was closed for initial build-up. The drill stem test was performed as follows: clean-up flow, clean-up build-up, main flow and main build-up. During the clean-up build-up period, gauges were run, but they stood up 5 m above the XN-nipple and were rigged down prior to opening up for the main flow.

After terminating the final build-up, the well was killed and flowchecked before the surface equipment was laid down and the test string was pulled out of the hole.

A cement retainer was set at 1310 m and 1.5 m^3 cement was dumped on top of the retainer before the stinger was pulled out.
The further plug and abandonment was done according to Chapter 4.

MUD CONSUMPTION WELL 7316/5-1

MUD COMPANY: ANCHOR DRILLING FLUIDS

Section Size	Product/Additive	Total Amount Used	Unit
36",HOLE 1	BENTONITE	41	MT
	BARITE	54	MT
	CAUSTIC SODA	850	L
24",HOLE 1	CAUSTIC SODA	5300	L
	XC POLYMER	260	KG
	BARITE	1309	MT
	BENTONITE (BULK)	156	MT
	BENTONITE (SX/BULK)	29	MT
	BENTONITE (SX)	975	KG
	DEFOAMER	40	L
	PACSEAL REG	320	KG
	MICA COARSE	1500	KG
	MICA FINE	2225	KG
	NUTPLUG COARSE	1113	KG
	NUTPLUG FINE	1500	KG
	DESCO	656	KG
36",HOLE 2	XC POLYMER	638	KG
	CAUSTIC SODA	100	L
	BARITE	11	MT
	BENTONITE (SX/BULK)	4	MT
24"	CAUSTIC SODA	600	L
	XC POLYMER	246	KG
	BARITE	242	MT
	BENTONITE (BULK)	3	MT
	BENTONITE (SX/BULK)	38	MT
	BENTONITE (SX)	500	KG
	CMC EHV	325	KG
	DIASEAL M	73	KG

22"	CMC EHV	52	KG
	CITRIC ACID	776	KG
	SODIUM BICARBONATE	993	KG
	CAUSTIC SODA	200	L
	DEFOAMER	80	L
	BENTONITE (SX/BULK)	47	MT
12 1/4"	BARITE	150	MT
	KCL BRINE	715	M3
	PROPAC	2860	L
	XC POLYMER	1519	KG
	CLAYCAP	7558	KG
	KCL POWDER	11079	KG
	PACSEAL LV	6511	KG
	PACSEAL REG	5142	KG
	CITRIC ACID	1010	KG
	SODIUM BICARBONATE	349	KG
	SODA ASH	2247	KG
	BENTONITE (SX(BULK)	1	KG
	DEFOAMER	280	L
	BENTONITE (SX)	1350	KG
8 1/2"	BARITE	95	MT
	THERMOPOL	6580	KG
	LIGSEAL	6119	KG
	CAUSTIC SODA	619	L
	SODIUM BICARBONATE	482	KG
	CITRIC ACID	1190	KG
	BENTONITE (BULK)	7	MT
	BENTONITE (SX/BULK)	19	MT
	PACSEAL LV	3941	KG
	PACSEAL REG	1703	KG
	XC POLYMER	1632	KG
	DEFOAMER	140	L
	KCL BRINE	133	M3
	PROPAC	532	L
	KCL POWDER	10196	KG

	CLAYCAP	1900	KG
	LIME	50	KG
TEST	XC POLYMER	1074	KG
	CAUSTIC SODA	75	KG
	FL-7+	4150	KG
	CAL.CARBONATE(MICRO)	4128	KG
	CAL.CARBONATE(XFINE)	7400	KG
	CAL.CARBONATE(N-130)	4800	KG
	NACL BRINE*	298	M3
	CACL2 BRINE*	61	M3
	BARARESIN*	1000	KG
	CAUSTIC SODA	1516	L
	BARITE	25	MT
	DEFOAMER	20	L
P/A	XC POLYMER	410	KG
	SODA ASH	713	KG
	CMC EHV	250	KG
	BARITE	19	MT
	BENTONITE (BULK)	16	MT

* OTHER SUPPLIER

HYDRO

Norsk Hydro a.s Bergen
E&P Research Centre

Document frontpage
Exploration and Production

Doc. type: [ ] Agreement [ ] Amendment [X] Report

Storage: [ ] 2 years [ ] 5 years [X] Permanent archives

Grading: [ ] Open [ ] Internal [X] Confidential [ ] Very conf. [ ] Strictly conf.

Doc. id: R-060543

Copy no.

Distribution:
NH HARSTAD
NH F-BG/ARKIV

Title:

DATA REPORT VITRINITE REFLECTANCE

WELL 7316/5-1

Summary/Conclusion/Recommendation

This report comprises Vitrinite Reflectance data on drillcuttings in Well 7316/5-1 from 660m to 4027m MD RKB, a total of 200 samples.

The analyses are performed by Geolab UK, Cramlington.

Keywords: Maturity

Pages-appendix	Amendment no.	Revision no.	Revision date
Quadrant/Block-well: 7316/5-1	Project no.: 32855	Licens no.: PL 184	Date: 20.04.1993
Department	RESEARCH GEO-DEPARTMENT		
Section	BAS.MOD./PETR.GEOCHEM.		
Authors	L. Aakvaag		
Controlled			
Accepted	1/6-93		
Approved			

Postal address: N-5020 Bergen
Office address: Sandsliveien 90, 5049 Sandsli
Phone: National: (05) 99 50 00, Internat.: +47 5 99 50 00
Telefax: National: 05 99 66 00, Internat.: +47 5 99 66 00
Telex: 40632 hydro n

Vitrinite Reflectance Determinations Well 7316/5-1

Depth	R.o. Aver.	No. of Readings	U.V.	Comments
660	0.48	4	-	100% Sst. Tr. Shale
700	0.49	9	Y spores	100% Sst. Tr. Sh. + Coal
720	0.52	10	Y/O-L.O. spores	90% Sst.
815	0.53	4	Y/O+L.O. spores	100% Sst. Tr.Sh. Glauc. Iron Ox.
870	0.43	20	Y/O-L.O. spores	90% Sst. Glauc.
910	0.38	20	Y+M.O. spores	60% Cement
955	0.37	20	Y+Y/O spores	Glauconite
1005	0.34	13	G/Y algae;Y-Y/O spores	Clauconite
1030	0.40	15	Y+Y/O spores	-
1085	0.39	11	Y+Y/O spores	-
1145	0.37	12	G/Y algae;Y spores	Glauconite
1205	0.35	5	Y-Y/O spores	-
1230	0.40	9	Y-Y/O spores	-
1260	0.36	6	Y-Y/O spores	Glauconite
1310	0.36	14	Y spores	Glauconite traces
1385	0.35	20	Y Dino. Y-Y/O spores	-
1420	N.D.P.	-	MO Carb.	Phyt.+Bit, V.degraded. Lith. does not fit with other samples. Not listed on schedule.
1435	0.38	20	G/Y algae; Y spores	Glauconite
1500	0.37	20	Y-Y/O spores	Glauconite
1520	0.39	8	Y-Y/O spores	Glauconite traces
1540	0.39	20	Y spores	Glauconite
1560	0.40	20	Y spores	-
1580	0.40	20	Y spores	Glauconite
1600	0.40	20	Y-Y/O spores	Glauconite
1620	0.41	20	Y spores	Clauconite traces
1640	0.37	20	Y+Y/O spores	-
1660	0.40	20	Y spores	Glauconite traces
1690	0.42	14	Y+Y/O spores	-
1700	0.39	9	Y spores	Glauconite traces
1720	0.44	8	Y+Y/O spores	Glauconite
1740	0.41	9	Y+Y/O spores	-
1760	0.43	20	Y+Y/O spores	-
1780	0.43	15	Y+Y/O spores	-
1800	0.43	20	G/Y Dino. Y/O spores	-
1820	0.42	19	Y-Y/O spores	-
1840	0.42	20	Y-Y/O spores	-
1860	0.42	13	Y+Y/O spores	Glauconite

Depth	R.o. Aver.	No. of Readings	U.V.	Comments
1880	0.43	20	Y/O spores	Glauconite
1900	0.47	9	Y algal wsps. Y-Y/Ospores	-
1920	0.44	14	Y-Y/O spores	-
1940	0.45	11	Y/O spores	Glauconite
1960	0.45	5	Y/O spores	-
1980	0.47	6	Y/O spores	10% carbonate
2000	0.47	11	Y/O spores	20% marl
2020	0.46	3	Y/O spores	Glauconite
2040	0.49	2	Y-Y/O spores & carbonate	-
2060	0.45	5	Y algae; Y/Osp., Y-Y/Ocarb.	-
2080	0.47	4	Y algae; Y/O spores	-
2100	0.46	7	Y/O spores	10% marl
2120	0.45	4	Y/O spores	Iron oxide traces
2140	0.42	7	Y/O spores	Iron oxide traces
2160	0.51	13	Y/O-L.O. spores	-
2180	0.48	16	Y/O-M.O. spores	Glauconite
2200	0.48	6	L+M.O. spores	-
2220	0.50	9	Y/O-M.O. spores	-
2240	0.50	10	Y/O-M.O. spores	-
2260	0.53	3	L+M.O. spores	Glauconite
2280	0.48	6	Y/O-M.O. spores	-
2300	0.51	7	L.O. spores	-
2320	0.46	6	Y/O+L.O. spores	-
2340	0.45	5	Y/O-M.O. spores	-
2360	0.47	6	Y/O-M.O. spores	20% marl
2380	0.58	3	M.O. spores	Tr. marl
2400	0.47	7	L+M.O. spores	-
2420	0.45	4	L+M.O. spores	-
2440	0.53	3	L.O. spores; Y-Y/O carb.	-
2460	0.53	4	L.O. spores; Y-Y/O carb.	-
2480	0.53	6	M.O. spores; Y/O carb.	-
2500	0.55	2	L.O. spores	-
2520	0.50	5	L-M.O. spores; Y/O carb.	-
2540	0.56	5	L+M.O. spores	-
2560	0.55	3	M.O. spores; Y/O carb.	-
2580	0.60	5	M.O. spores	-
2600	0.66	5	M.O. spores	-
2620	0.67	5	M.O. spores	-
2640	0.66	4	M.O. spores	-
2660	0.87	6	M.O. spores	-
2680	0.83	6	M.-D.O. spores	-
2700	0.92	3	M.O. spores; Y/O-L.O. carb.	-
2720	0.97	9	L.O. carbonate	-
2740	1.00	5	L.O. carbonate	-
2760	1.02	11	Y/O carbonate	-
2780	1.11	10	Y/O carb. Glauconite Tr.	-
2800	1.07	2	Y/O-L.O. carbonate	-
2820	1.28	7	Y+Y/O carbonate	-
2840	1.27	7	Y/O carbonate	-
2860	1.29	3	Y+L.O. carbonate	Phyt. degraded
2880	1.20	6	D.O. carbonate	Phyt. degraded
2900	1.33	15	D.O. spores & carbonate	-
2910	1.35	7	D.O. spores	Phyt. decraded
2920	1.32	10	-	Phyt. degraded

Depth	R.o. Aver.	No. of Readings	U.V.	Comments
2930	1.42	9	Y/O spores	Phyt. degraded
2940	1.42	9	-	-
2950	1.45	5	D.O. carbonate	-
2960	1.51	11	M-D.O. carbonate	-
2970	1.50	9	-	-
2980	1.12	1	-	50% hornfels/igneous?
	0.44	3		10% cement. Meas. on cavings
2990	0.39	4	L+M.O. spores (caved)	70% horn./ign. 10%cem. Caved
3000	2.05	9	Y/O H/C spks. L.O. carb.	50% ign. 30% shaly Lst.
3010	1.50	2	Y/O+L.O.sp. &Y/O carb.	V. variable R.o.
	0.49	4		
3020	1.57	7	Y H/C spks. & carb.	20% Lst.; Tr. ign. & cement
	0.45	3		
3030	1.86	20	Y/O spores; Y carb.	Tr. igneous
3040	1.67	13	Y carbonate	Tr. igneous
3050	1.65	7	Y carbonate	Tr. cement
3060	1.89	8	-	20% igneous; 10% cement
3070	1.88	3	Y-Y/O carb.	100% ign. Tr. shale; Caved
3080	1.44	4	-	100% ign. Tr. shale; Caved
3090	N.D.P.	-	-	100% igneous
3100	4.16	4	-	10% ign. Tr. rock flour
3110	3.62	7	-	Tr. ign. & rock flour
3120	2.37	11	-	Tr. rock flour
3130	1.97	20	D.O. carbonate	20% rock flour
3140	2.25	12	-	20% rock flour
3150	1.62	11	L.-M.O. carbonate	-
3160	1.94	20	L.O. carbonate	-
3170	1.56	11	Y/O+L.O. carbonate	30% Sst. 20% rock flour
3180	1.57	8	L.O. carbonate	30% marl; 30% rock flour
3190	1.51	20	Y/O-L.O. carbonate	20% marl; 20% rock flour
3200	1.55	13	Y/O+L.O. carbonate	30% ign. 10% rock flour
3210	1.42	3	Y/O-D.O. carbonate	10% ign. 40% rock fl. 30% carb.
3220	1.36	7	Y/O+D.O. carbonate	30% carb. 30%rock flour
3230	N.D.P.	-	Y carbonate	30% carb. 10% cement
3240	1.73	2	Y carbonate	20% cement; 10% carb. Shale white & virtually barren
3250	N.D.P.		Y-Y/O carbonate	White shale
3260	N.D.P.		Y-Y/O carbonate	White shale
3270	N.D.P.		Y+Y/O carbonate	Calc. shale
3280	1.66	6	Y/O carbonate	Meas. on a few bit. stain. ctgs.
3290	1.69	3	Y carbonate	Calc. silty shale
3300	1.16	3	Y-Y/O carbonate	Phyt. V. degraded. 10% carbonate
3310	1.62	6	L.O. carbonate	Phyt. degraded
3320	1.70	5	Y-D.O. carbonate	Phyt. degraded
3330	1.51	2	M.O. carb. & H/C spks.	-
3340	1.88	2	M.O. carbonate	Calcareous
3350	1.38	2	M.+D.O. carbonate	Calc. Phyt. degraded
3360	1.68	4	D.O. carbonate	Calc. shale
3370	1.70	8	D.O. carbonate	Calc. shale; Tr. rock flour
3380	1.76	6	D.O. carbonate	Calc. Phyt. degraded
3390	1.64	7	M.+D.O. carbonate	-
3400	1.53	3	M.+D.O. carbonate	Slightly marly
3410	1.43	5	D.O. carbonate	-
3420	-		-	No. sample. Seems probable samples has been labelled 1420

Depth	R.o. Aver.	No. of Readings	U.V.	Comments
3430	1.58	2	M.-D.O. carbonate	-
3440	2.40	4	M.-D.O. carbonate	High R.o. on Bit. showing
	1.49	9		mesophase
3450	1.66	2	M.-D.O. carbonate	-
3460	N.D.P.	-	D.O. carbonate	-
3470	1.64	3	M.-D.O. carbonate	-
3480	1.72	1	M.+D.O. carbonate	-
3490	1.53	4	M.O. carbonate	-
3500	1.47	3	M.O. carbonate	-
3510	1.65	6	M.O. carbonate	-
3520	1.71	6	L.O. carbonate	-
3530	1.81	1	L.O. carbonate	V. tentative result
3540	N.D.P.	-	M.O. carbonate	-
3550	1.59	1	L.-D.O. carbonate	Tr. igneous
3560	1.89	2	M.-D.O. carbonate	Calc. Tentative result
3570	3.11	7	-	Tr. igneous; 10% carbonate
3580	2.56	5	-	30% igneous
3590	2.61	2	D.O. carbonate (faint)	30% ign. Low result caved
	1.70	5		
3600	2.16	14	M.-D.O. carbonate	20% igneous
3610	2.52	9	Y spores; D.O. carb.	10% carb. Sp. in few caved ctgs.
3620	2.91	10	L.-D.O. carbonate	-
3630	2.59	9	D.O. carbonate	Tr. igneous
	1.50	3		
3640	N.D.P.	-	M.O. carbonate	70% igneous
3650	2.51	20	D.O. carbonate (faint)	30% igneous
3660	1.71	3	D.O. carbonate	-
3670	1.73	4	M.+D.O. carbonate	-
3680	1.50	3	M.-D.O. carbonate	-
3690	1.69	2	M.+D.O. carbonate	Phyt. degraded
3700	2.31	12	M.O. carbonate	Phyt. degraded
3710	2.28	13	D.O. carbonate	-
3720	1.54	5	M.+D.O. carbonate	-
3730	1.62	8	M.+D.O. carbonate	-
3740	2.96	1	M.+D.O. carbonate	-
	1.57	7		
3750	1.86	5	Y/O-D.O. carbonate	-
3760	1.69	2	M.-D.O. carbonate	-
3770	2.05	10	M.+D.O. carbonate	-
3780	2.12	1	L.+M.O. carbonate	-
	1.30	2		
3790	1.80	4	M.-D.O. carbonate	-
3800	1.41	3	M.+D.O. carbonate	-
3810	1.94	9	M.+D.O. carbonate	-
3820	2.09	6	L.O. carbonate	Tr. igneous
3830	1.97	2	L.O. carbonate	10% igneous
3840	1.70	3	L.-D.O. carbonate	-
3850	1.89	9	Y/O-D.O. carbonate	-
3860	1.95	10	Y + D.O. carbonate	-
3870	2.15	15	M + D.O. carbonate	-
3880	2.13	9	Y/O + D.O. carbonate	Tr. igneous
3890	2.11	8	D.O. carbonate	Glauconite
3900	2.60	11	D.O. carbonate	-
3910	2.01	4	M.+ D.O. carbonate	-

Depth	R.o. Aver.	No. of Readings	U.V.	Comments
3920	3.01	5	D.O. carbonate (faint)	-
3930	3.34	7	M.+ D.O. carbonate	-
3940	4.75	3	D.O. carbonate (V.faint)	50% igneous; Sh. mostly caved
3950	3.56	6	M.+ D.O. carbonate	60% igneous
3960	3.55	1	-	80% igneous
3970	N.D.P.	-	-	80% igneous
3980	3.50	2	Y + D.O. carbonate	70% ign. Shale mostly caved
3990	2.86	20	D.O. carbonate	10% igneous
4000	2.79	15	D.O. carbonate (faint)	Tr. igneous
4010	2.55	9	D.O. carbonate (faint)	Phyt. degraded
4020	3.12	13	M. + D.O. carbonate	Tr. igneous
4027	3.35	14	M. + D.O. carbonate	-

I've done my best but I fear that the results are not very good. The trouble is that the sediments are lacking in phytoclasts and its a struggle to find anything to measure. Added to this is the problem of caving. In a normal succession the cavings have to be from more than 500m above the bit to be significantly different in Ro. With sills the reflectance changes so rapidly that a few meters can make a difference.

In this well the results down to the first sill are not too bad since the cavings can be detected by their lower R.o. Once past the first sill the cavings can be higher or lower and you don't know what to measure.

If it's any help, most of the sills I have looked at have aureole / thickness ratios of around 7:1 with the aureole being symmetrical above and below. The R.o. reaches a max of 5% at the contact and is about 2.5% where the aureole is twice sill thickness. However, they are very variable as you will discover from the literature.

It obviously makes a big difference if the sills were intruded simultaneously or at intervals. Using the hypothetical ratio of 7:1 one would not expect to detect thermal alteration until around 2,900m if the sills had been intruded at intervals (80m above the 11m sill or 220m above the 31m sill). If simultaneous, you are thinking in terms equivalent to 163m. sill intruded at about 3700m (most of the thicker sills are to the base). With an aureole width of 7x163m = 1150m this would suggest the thermal alteration extending up to 2550m which is not far from our starting point.

Regards,

Mike Soulet

Well I.D.: Norsk Hydro 7316/5-1

Sample Depth	R.o. Avg.	No. of Determinations
660	0.48	4
700	0.49	9
720	0.52	10
815	0.53	4
870	0.43	20
910	0.38	20
955	0.37	20
1005	0.34	13
1030	0.40	15
1085	0.39	11
1145	0.37	12
1205	0.35	5
1230	0.40	9
1260	0.36	6
1310	0.36	14
1385	0.35	20
1435	0.38	20
1500	0.37	20
1520	0.39	8
1540	0.39	20
1560	0.40	20
1580	0.40	20
1600	0.40	20
1620	0.41	20
1640	0.37	20
1660	0.40	20
1690	0.42	14
1700	0.39	9
1720	0.44	8
1740	0.41	9
1760	0.43	20
1780	0.43	15
1800	0.43	20
1820	0.42	19
1840	0.42	20
1860	0.42	13
1880	0.43	20
1900	0.47	9
1920	0.44	14
1940	0.45	11
1960	0.45	5
1980	0.47	6
2000	0.47	11
2020	0.46	3
2040	0.49	2
2060	0.45	5
2080	0.47	4
2100	0.46	7
2120	0.45	4
2140	0.42	7
2160	0.51	13
2180	0.48	16
2200	0.48	6

Well I.D.: Norsk Hydro 7316/5-1 (Cont/d.)

Sample Depth	R.o. Avg.	No. of Determinations
2220	0.50	9

2240	0.50	10
2260	0.53	3
2280	0.48	6
2300	0.51	7
2320	0.46	6
2340	0.45	5
2360	0.47	6
2380	0.58	3
2400	0.47	7
2420	0.45	4
2440	0.53	3
2460	0.53	4
2480	0.53	6
2500	0.55	2
2520	0.50	5
2540	0.56	5
2560	0.55	3
2580	0.60	5
2600	0.66	5
2620	0.67	5
2640	0.66	4
2660	0.87	6
2680	0.83	6
2700	0.92	3
2720	0.97	8
2740	1.00	5
2760	1.02	11
2780	1.11	10
2800	1.07	2
2820	1.28	7
2840	1.27	7
2860	1.29	3
2880	1.20	6
2900	1.33	15
2910	1.35	7
2920	1.32	10
2930	1.42	9
2940	1.42	9
2950	1.45	5
2960	1.51	11
2970	1.50	9
2980	0.44	3
1.12	1	
2990	0.59	4
3000	2.05	9
3010	0.49	4
1.50	2	
3020	0.45	3
1.57	7	
3030	1.86	20
3040	1.67	13

Well I.D.: Norsk Hydro 7316/5-1 (Cont/d.)

Sample Depth	R.o. Avg.	No. of Determinations
3050	1.65	7
3060	1.89	8
3070	1.88	3
3080	1.44	4
3090	NDP	-
3100	4.16	4
3110	3.62	7
3120	2.37	11

3130	1.97	20
3140	2.25	12
3150	1.62	11
3160	1.94	20
3170	1.56	11
3180	1.57	8
3190	1.51	20
3200	1.55	13
3210	1.42	3
3220	1.36	7
3230	NDP	-
3240	1.73	2
3250	NDP	-
3260	NDP	-
3270	NDP	-
3280	1.66	6
3290	1.69	3
3300	1.16	3
3310	1.62	6
3320	1.70	5
3330	1.51	2
3340	1.88	2
3350	1.38	2
3360	1.68	4
3370	1.70	8
3380	1.76	6
3390	1.64	7
3400	1.53	3
3410	1.43	5
3420	NDP	-
3430	1.58	2
3440	2.40	4
1.49	9	
3450	1.68	2
3460	NDP	-
3470	1.64	3
3480	1.72	1
3490	1.53	4
3500	1.47	3
3510	1.65	6
3520	1.71	6
3530	1.81	1
3540	NDP	-
3550	1.59	1

Well I.D.: Norsk Hydro 7316/5-1 (Cont/d.)

Sample Depth	R.o. Avg.	No. of Determinations
3560	1.89	2
3570	3.11	7
3580	2.56	5
3590	1.70	3
2.61	2	
3600	2.46	14
3610	2.52	9
3620	2.91	10
3630	1.50	3
2.59	9	
3640	NDP	-
3650	2.51	20
3660	1.71	3
3670	1.73	4
3680	1.50	3

3690	1.69	2
3700	2.31	12
3710	2.28	13
3720	1.54	5
3730	1.62	8
3740	1.57	7
2.96	1	
3750	1.86	5
3760	1.69	2
3770	2.05	10
3780	1.30	2
2.12	1	
3790	1.80	4
3800	1.41	3
3810	1.94	9
3820	2.09	6
3830	1.97	2
3840	1.70	3
3850	1.89	9
3860	1.95	10
3870	2.15	15
3880	2.13	9
3890	2.11	8
3900	2.60	11
3910	2.01	4
3920	3.01	5
3930	3.34	7
3940	4.75	3
3950	3.56	6
3960	3.55	1
3970	NDP	-
3980	3.50	2
3990	2.86	20
4000	2.79	15
4010	2.55	9
4020	3.12	13
4027	3.35	14

U1-740

·3

HYDRO

Norsk Hydro a.s Bergen
E&P Research Centre

Document frontpage
Exploration and Production

Doc. type [ ] Agreement [ ] Amendment [X] Report

Storage: [ ] 2 years [ ] 5 years [X] Permanent archives

Grading: [ ] Open [ ] Internal [X] Confidential [ ] Very conf. [ ] Strictly conf.

Doc. id: R-058586

Copy no.

Distribution
Explor. Ha
Archive Bg

Title

GEOCHEMICAL SCREENING OF WELL 7316/5-1

Summary/Conclusion/Recommendation

This report comprises the geochemical screening data of Well 7316/5-1 based upon Rock Eval pyrolysis and total organic carbon (TOC) analyses.

All sample preparation and analyses have been carried out by Norsk Hydro's Research Centre in Bergen, Norway.

Keywords
Source Rock, Rock Eval, TOC.

Pages-appendix	Amendment no.	Revision no.	Revision date
Quadrant/Block-well: 7316/5-1	Project no.: 18401201DG	Licens no.: PL184	Date: 12.11.92

Department	Geosection
Section	Bas.mod./Petr.Geochem.
Authors	L. Aakvaag & F. Lumperdean
Controlled	
Accepted	Sigrid Nygård 12/11-92
Approved	

Postal address:	Office address:	Phone:	Telefax:	Telex:
N-5020 Bergen	Sandsliveien 90 5049 Sandsli	National: (05) 99 50 00 Internat.: +47 5 99 50 00	National: (05) 99 61 96 Internat.: +47 5 99 61 96	40920 hydro n

HYDRO

CONTENTS

This report comprises the data from Rock Eval/TOC screening analysis of Well 7316/5-1 from 613m RKB to H027m RKB (TD). Table 1.

Wet drillcuttings for analysis (set 0) were washed with luke warm running water on a 0.025mm sieve, and samples dried overnight at 50°C.

All analyses were performed on finely crushed samples of the 1-2mm bulk fraction after removal of contaminents.

TABLE: 1

Petroleum Geochemistry Group
Research Centre Bergen
HYDRO

ROCK EVAL SCREENING DATA, WELL 7316/5-1

Depth (m)	Group/Fm.	Lithology	Type	Tmax DegC	S1 kg/t	S2 kg/t	TOC %	HI	PI	Analysing Company
620.00		BULK	DC		0.00	0.01	0.0	25		F-BERGEN
635.00		BULK	DC	438	0.01	0.13	0.2	87	0.07	F-BERGEN
650.00		BULK	DC		0.00	0.09	0.1	100	0.00	F-BERGEN
660.00		BULK	DC	442	0.03	0.26	0.3	104	0.10	F-BERGEN
665.00		BULK	DC	440	0.01	0.15	0.2	68	0.06	F-BERGEN
670.00		BULK	DC	444	0.00	0.07	0.1	50	0.00	F-BERGEN
675.00		BULK	DC		0.00	0.43	0.2	239	0.00	F-BERGEN
685.00		BULK	DC	443	0.01	0.45	0.4	122	0.02	F-BERGEN
695.00		BULK	DC		0.00	0.19	0.2	79	0.00	F-BERGEN
700.00		BULK	DC	449	0.02	0.26	0.4	72	0.07	F-BERGEN
705.00		BULK	DC	442	0.00	0.09	0.3	36	0.00	F-BERGEN
710.00		BULK	DC	447	0.00	0.05	0.2	26	0.00	F-BERGEN
715.00		BULK	DC		0.00	0.20	0.2	100	0.00	F-BERGEN
720.00		BULK	DC	444	0.01	0.43	0.3	143	0.02	F-BERGEN
725.00		BULK	DC	447	0.00	0.23	0.3	66	0.00	F-BERGEN
760.00		BULK	DC	440	0.00	0.19	0.3	66	0.00	F-BERGEN
765.00		BULK	DC	442	0.01	0.15	0.4	39	0.06	F-BERGEN
770.00		BULK	DC	447	0.00	0.09	0.2	53	0.00	F-BERGEN
775.00		BULK	DC		0.01	0.07	0.3	27	0.13	F-BERGEN
785.00		BULK	DC	454	0.00	0.09	0.2	43	0.00	F-BERGEN
790.00		BULK	DC		0.00	0.03	0.1	38		F-BERGEN
795.00		BULK	DC		0.00	0.11	0.2	61	0.00	F-BERGEN
800.00		BULK	DC	410	0.00	0.10	0.1	167	0.00	F-BERGEN
805.00		BULK	DC		0.00	0.03	0.1	33		F-BERGEN
810.00		BULK	DC		0.00	0.17	0.1	155	0.00	F-BERGEN
815.00		BULK	DC	440	0.00	0.53	0.2	294	0.00	F-BERGEN
820.00		BULK	DC	439	0.00	0.09	0.2	53	0.00	F-BERGEN
830.00		BULK	DC	434	0.00	0.21	0.3	60	0.00	F-BERGEN
835.00		BULK	DC		0.00	0.22	0.3	69	0.00	F-BERGEN
840.00		BULK	DC	433	0.00	0.21	0.5	40	0.00	F-BERGEN
850.00		BULK	DC	428	0.00	0.17	0.4	41	0.00	F-BERGEN
855.00		BULK	DC	434	0.00	0.25	0.5	49	0.00	F-BERGEN
860.00		BULK	DC	435	0.00	0.21	0.5	42	0.00	F-BERGEN

Petroleum Geochemistry Group
Research Centre Bergen
HYDRO

ROCK EVAL SCREENING DATA, WELL 7316/5-1 (cont'd)

Depth (m)	Group/Fm.	Lithology	Type	Tmax DegC	S1 kg/t	S2 kg/t	TOC %	HI	PI	Analysing Company
865.00		BULK	DC	432	0.00	0.15	0.4	39	0.00	F-BERGEN
870.00		BULK	DC	449	0.00	0.36	0.6	59	0.00	F-BERGEN
875.00		BULK	DC		0.00	0.59	0.6	105	0.00	F-BERGEN
880.00		BULK	DC		0.19	0.73	0.5	159	0.21	F-BERGEN
885.00		BULK	DC	427	0.05	0.54	0.9	59	0.08	F-BERGEN
895.00		BULK	DC	434	0.01	0.44	0.9	51	0.02	F-BERGEN
910.00		BULK	DC	435	0.15	1.19	0.9	125	0.11	F-BERGEN
915.00		BULK	DC	435	0.07	0.68	0.7	93	0.09	F-BERGEN
920.00		BULK	DC	438	0.03	0.38	0.5	78	0.07	F-BERGEN
925.00		BULK	DC	443	0.00	0.27	0.4	73	0.00	F-BERGEN
930.00		BULK	DC	434	0.01	0.29	0.4	71	0.03	F-BERGEN
935.00		BULK	DC	438	0.01	0.25	0.3	71	0.04	F-BERGEN
940.00		BULK	DC	437	0.00	0.21	0.4	58	0.00	F-BERGEN
945.00		BULK	DC	440	0.01	0.21	0.3	66	0.05	F-BERGEN
950.00		BULK	DC	435	0.01	0.31	0.4	82	0.03	F-BERGEN
955.00		BULK	DC	423	0.03	0.31	0.5	65	0.09	F-BERGEN
960.00		BULK	DC	418	0.05	0.31	0.4	79	0.14	F-BERGEN
965.00		BULK	DC	420	0.03	0.25	0.3	71	0.11	F-BERGEN
970.00		BULK	DC	413	0.05	0.31	0.4	79	0.14	F-BERGEN
975.00		BULK	DC	418	0.05	0.33	0.4	89	0.13	F-BERGEN
980.00		BULK	DC	424	0.05	0.33	0.4	89	0.13	F-BERGEN
985.00		BULK	DC	418	0.03	0.33	0.4	87	0.08	F-BERGEN
990.00		BULK	DC	419	0.03	0.25	0.3	76	0.11	F-BERGEN
995.00		BULK	DC	416	0.01	0.21	0.3	66	0.05	F-BERGEN
1000.00		BULK	DC	419	0.05	0.37	0.4	103	0.12	F-BERGEN
1005.00		BULK	DC	440	0.05	0.53	0.4	147	0.09	F-BERGEN
1010.00		BULK	DC	422	0.03	0.38	0.3	112	0.07	F-BERGEN
1015.00		BULK	DC	418	0.03	0.29	0.3	91	0.09	F-BERGEN
1020.00		BULK	DC	424	0.03	0.33	0.4	85	0.08	F-BERGEN
1025.00		BULK	DC	417	0.04	0.40	0.4	89	0.09	F-BERGEN
1030.00		BULK	DC	416	0.03	0.39	0.5	81	0.07	F-BERGEN
1040.00		BULK	DC	406	0.05	0.23	0.4	61	0.18	F-BERGEN
1045.00		BULK	DC	423	0.03	0.32	0.3	91	0.09	F-BERGEN

TABLE: 1

Petroleum Geochemistry Group
Research Centre Bergen

HYDRO

ROCK EVAL SCREENING DATA, WELL 7316/5-1 (cont'd)

Depth (m)	Group/Fm.	Lithology	Type	Tmax DegC	S1 kg/t	S2 kg/t	TOC %	HI	PI	Analysing Company
1050.00		BULK	DC	419	0.03	0.25	0.4	68	0.11	F-BERGEN
1055.00		BULK	DC	434	0.05	0.52	0.4	127	0.09	F-BERGEN
1060.00		BULK	DC		0.05	0.58	0.4	138	0.08	F-BERGEN
1065.00		BULK	DC	412	0.03	0.27	0.4	75	0.10	F-BERGEN
1070.00		BULK	DC		0.03	0.35	0.4	85	0.08	F-BERGEN
1075.00		BULK	DC	419	0.03	0.29	0.4	78	0.09	F-BERGEN
1080.00		BULK	DC	418	0.03	0.25	0.3	74	0.11	F-BERGEN
1085.00		BULK	DC	416	0.05	0.45	0.5	90	0.10	F-BERGEN
1090.00		BULK	DC		0.09	0.39	0.5	85	0.19	F-BERGEN
1095.00		BULK	DC	421	0.03	0.34	0.4	79	0.08	F-BERGEN
1102.00		BULK	DC	410	0.05	0.39	0.5	80	0.11	F-BERGEN
1107.00		BULK	DC	411	0.03	0.39	0.5	76	0.07	F-BERGEN
1115.00		BULK	DC	414	0.05	0.39	0.5	80	0.11	F-BERGEN
1120.00		BULK	DC	416	0.03	0.39	0.5	85	0.07	F-BERGEN
1125.00		BULK	DC	415	0.05	0.23	0.4	61	0.18	F-BERGEN
1135.00		BULK	DC	417	0.05	0.28	0.5	58	0.15	F-BERGEN
1140.00		BULK	DC	418	0.03	0.29	0.5	57	0.09	F-BERGEN
1145.00		BULK	DC	430	0.05	0.70	0.6	109	0.07	F-BERGEN
1150.00		BULK	DC	417	0.09	0.59	0.7	88	0.13	F-BERGEN
1155.00		BULK	DC	429	0.03	0.37	0.6	63	0.07	F-BERGEN
1162.00		BULK	DC	426	0.01	0.31	0.5	61	0.03	F-BERGEN
1170.00		BULK	DC	421	0.01	0.27	0.5	57	0.04	F-BERGEN
1175.00		BULK	DC	417	0.01	0.27	0.4	71	0.04	F-BERGEN
1180.00		BULK	DC	415	0.03	0.23	0.4	52	0.12	F-BERGEN
1185.00		BULK	DC	420	0.45	0.33	0.5	66	0.58	F-BERGEN
1190.00		BULK	DC	408	0.07	0.37	0.5	74	0.16	F-BERGEN
1195.00		BULK	DC	424	0.03	0.37	0.5	80	0.07	F-BERGEN
1200.00		BULK	DC	424	0.03	0.25	0.4	66	0.11	F-BERGEN
1205.00		BULK	DC	482	0.03	0.67	0.5	140	0.04	F-BERGEN
1210.00		BULK	DC	430	0.05	0.55	0.5	106	0.08	F-BERGEN
1215.00		BULK	DC	417	0.06	0.44	0.5	88	0.12	F-BERGEN
1220.00		BULK	DC	422	0.05	0.45	0.6	82	0.10	F-BERGEN
1225.00		BULK	DC	419	0.03	0.38	0.5	73	0.07	F-BERGEN

TABLE: 1

Petroleum Geochemistry Group
Research Centre Bergen

HYDRO

ROCK EVAL SCREENING DATA, WELL 7316/5-1 (cont'd)

Depth (m)	Group/Fm.	Lithology	Type	Tmax DegC	S1 kg/t	S2 kg/t	TOC %	HI	PI	Analysing Company
1230.00		BULK	DC	414	0.07	0.59	0.6	107	0.11	F-BERGEN
1235.00		BULK	DC	419	0.05	0.40	0.5	74	0.11	F-BERGEN
1240.00		BULK	DC	415	0.07	0.48	0.5	89	0.13	F-BERGEN
1245.00		BULK	DC	414	0.05	0.44	0.5	92	0.10	F-BERGEN
1250.00		BULK	DC	410	0.07	0.40	0.4	91	0.15	F-BERGEN
1255.00		BULK	DC	407	0.07	0.41	0.4	100	0.15	F-BERGEN
1260.00		BULK	DC	410	0.25	0.85	0.5	167	0.23	F-BERGEN
1265.00		BULK	DC		0.09	0.80	0.5	167	0.10	F-BERGEN
1270.00		BULK	DC	408	0.09	0.71	0.5	151	0.11	F-BERGEN
1275.00		BULK	DC	419	0.07	0.49	0.4	109	0.13	F-BERGEN
1280.00		BULK	DC	406	0.11	0.44	0.4	102	0.20	F-BERGEN
1285.00		BULK	DC	411	0.11	0.53	0.4	118	0.17	F-BERGEN
1290.00		BULK	DC	417	0.07	0.46	0.5	94	0.13	F-BERGEN
1295.00		BULK	DC	414	0.09	0.53	0.5	113	0.15	F-BERGEN
1300.00		BULK	DC	415	0.11	0.58	0.5	109	0.16	F-BERGEN
1305.00		BULK	DC	416	0.09	0.54	0.5	108	0.14	F-BERGEN
1310.00		BULK	DC		0.09	0.89	0.6	162	0.09	F-BERGEN
1315.00		BULK	DC		0.07	0.67	0.5	134	0.09	F-BERGEN
1320.00		BULK	DC	416	0.10	0.72	0.6	129	0.12	F-BERGEN
1325.00		BULK	DC	419	0.07	0.52	0.6	88	0.12	F-BERGEN
1330.00		BULK	DC	423	0.09	0.72	0.6	122	0.11	F-BERGEN
1335.00		BULK	DC	419	0.11	0.69	0.6	123	0.14	F-BERGEN
1340.00		BULK	DC	419	0.18	0.76	0.6	129	0.19	F-BERGEN
1345.00		BULK	DC	417	0.05	0.50	0.4	116	0.09	F-BERGEN
1375.00		BULK	DC	420	0.07	0.42	0.4	105	0.14	F-BERGEN
1380.00		BULK	DC	420	0.07	0.42	0.4	93	0.14	F-BERGEN
1385.00		BULK	DC	410	0.15	0.84	0.5	175	0.15	F-BERGEN
1390.00		BULK	DC	425	0.13	0.91	0.5	186	0.12	F-BERGEN
1395.00		BULK	DC	415	0.11	0.98	0.5	213	0.10	F-BERGEN
1400.00		BULK	DC	416	0.09	0.82	0.5	174	0.10	F-BERGEN
1405.00		BULK	DC	419	0.11	0.85	0.5	160	0.11	F-BERGEN
1410.00		BULK	DC	424	0.11	0.69	0.5	130	0.14	F-BERGEN
1415.00		BULK	DC	421	0.09	0.68	0.5	128	0.12	F-BERGEN

TABLE: 1

Petroleum Geochemistry Group
Research Centre Bergen
HYDRO

ROCK EVAL SCREENING DATA, WELL 7316/5-1 (cont'd)

Depth (m)	Group/Fm.	Lithology	Type	Tmax DegC	S1 kg/t	S2 kg/t	TOC %	HI	PI	Analysing Company
1420.00		BULK	DC	421	0.11	0.75	0.5	139	0.13	F-BERGEN
1430.00		BULK	DC	418	0.03	0.98	0.6	178	0.03	F-BERGEN
1435.00		BULK	DC	420	0.05	1.02	0.6	173	0.05	F-BERGEN
1440.00		BULK	DC	421	0.09	0.96	0.6	163	0.09	F-BERGEN
1445.00		BULK	DC	423	0.05	0.74	0.5	145	0.06	F-BERGEN
1450.00		BULK	DC	423	0.05	0.68	0.6	124	0.07	F-BERGEN
1475.00		BULK	DC	421	0.05	0.65	0.6	118	0.07	F-BERGEN
1480.00		BULK	DC	422	0.05	0.60	0.6	109	0.08	F-BERGEN
1485.00		BULK	DC	422	0.03	0.58	0.5	121	0.05	F-BERGEN
1490.00		BULK	DC	421	0.05	0.54	0.4	126	0.08	F-BERGEN
1495.00		BULK	DC	422	0.03	0.55	0.4	131	0.05	F-BERGEN
1500.00		BULK	DC	420	0.03	0.79	0.4	180	0.04	F-BERGEN
1505.00		BULK	DC	420	0.03	0.60	0.4	154	0.05	F-BERGEN
1510.00		BULK	DC	424	0.01	0.50	0.4	132	0.02	F-BERGEN
1515.00		BULK	DC	425	0.03	0.48	0.4	117	0.06	F-BERGEN
1520.00		BULK	DC	424	0.03	0.49	0.4	123	0.06	F-BERGEN
1525.00		BULK	DC	424	0.03	0.44	0.4	119	0.06	F-BERGEN
1530.00		BULK	DC	424	0.15	0.41	0.4	95	0.27	F-BERGEN
1535.00		BULK	DC	424	0.01	0.43	0.4	98	0.02	F-BERGEN
1540.00		BULK	DC	426	0.03	1.04	0.5	217	0.03	F-BERGEN
1545.00		BULK	DC	423	0.03	0.98	0.5	200	0.03	F-BERGEN
1550.00		BULK	DC	427	0.05	1.13	0.5	209	0.04	F-BERGEN
1555.00		BULK	DC	421	0.05	0.89	0.5	182	0.05	F-BERGEN
1560.00		BULK	DC	423	0.09	0.83	0.5	163	0.10	F-BERGEN
1565.00		BULK	DC	428	0.05	0.49	0.5	100	0.09	F-BERGEN
1570.00		BULK	DC	419	0.03	0.52	0.5	113	0.05	F-BERGEN
1575.00		BULK	DC	424	0.03	0.64	0.5	136	0.04	F-BERGEN
1580.00		BULK	DC	425	0.03	0.49	0.5	107	0.06	F-BERGEN
1585.00		BULK	DC	428	0.03	0.48	0.4	107	0.06	F-BERGEN
1590.00		BULK	DC	425	0.04	0.58	0.5	126	0.06	F-BERGEN
1595.00		BULK	DC	425	0.03	0.49	0.4	111	0.06	F-BERGEN
1600.00		BULK	DC	422	0.03	0.80	0.5	163	0.04	F-BERGEN
1605.00		BULK	DC	424	0.03	0.71	0.5	145	0.04	F-BERGEN

TABLE: 1

Petroleum Geochemistry Group
Research Centre Bergen

HYDRO

ROCK EVAL SCREENING DATA, WELL 7316/5-1 (cont'd)

Depth (m)	Group/Fm.	Lithology	Type	Tmax DegC	S1 kg/t	S2 kg/t	TOC %	HI	PI	Analysing Company
1610.00		BULK	DC	427	0.03	0.59	0.5	126	0.05	F-BERGEN
1615.00		BULK	DC	430	0.05	0.52	0.5	106	0.09	F-BERGEN
1620.00		BULK	DC	429	0.01	0.58	0.5	112	0.02	F-BERGEN
1625.00		BULK	DC	419	0.03	0.64	0.5	125	0.04	F-BERGEN
1630.00		BULK	DC	429	0.03	0.66	0.5	125	0.04	F-BERGEN
1635.00		BULK	DC	419	0.03	0.64	0.5	119	0.04	F-BERGEN
1640.00		BULK	DC	429	0.01	0.61	0.6	111	0.02	F-BERGEN
1645.00		BULK	DC	427	0.01	0.49	0.6	83	0.02	F-BERGEN
1650.00		BULK	DC	428	0.09	1.15	0.6	189	0.07	F-BERGEN
1655.00		BULK	DC	427	0.05	1.16	0.6	200	0.04	F-BERGEN
1660.00		BULK	DC	419	0.07	1.18	0.6	211	0.06	F-BERGEN
1665.00		BULK	DC	428	0.05	1.08	0.6	193	0.04	F-BERGEN
1670.00		BULK	DC	430	0.03	0.96	0.6	160	0.03	F-BERGEN
1675.00		BULK	DC	432	0.03	1.23	0.6	192	0.02	F-BERGEN
1680.00		BULK	DC	431	0.03	0.86	0.6	132	0.03	F-BERGEN
1685.00		BULK	DC	433	0.11	1.00	0.7	152	0.10	F-BERGEN
1690.00		BULK	DC	431	0.13	0.93	0.6	145	0.12	F-BERGEN
1695.00		BULK	DC	427	0.03	0.62	0.6	111	0.05	F-BERGEN
1700.00		BULK	DC	432	0.01	0.56	0.5	106	0.02	F-BERGEN
1705.00		BULK	DC	431	0.01	0.61	0.5	115	0.02	F-BERGEN
1710.00		BULK	DC	432	0.01	0.63	0.5	124	0.02	F-BERGEN
1715.00		BULK	DC	424	0.01	0.70	0.5	140	0.01	F-BERGEN
1720.00		BULK	DC	423	0.01	0.65	0.5	133	0.02	F-BERGEN
1725.00		BULK	DC	431	0.00	0.63	0.5	134	0.00	F-BERGEN
1730.00		BULK	DC	432	0.00	0.63	0.5	137	0.00	F-BERGEN
1735.00		BULK	DC	423	0.01	0.72	0.5	144	0.01	F-BERGEN
1740.00		BULK	DC	432	0.00	0.71	0.5	139	0.00	F-BERGEN
1745.00		BULK	DC	431	0.01	0.60	0.5	118	0.02	F-BERGEN
1750.00		BULK	DC	434	0.00	0.80	0.5	157	0.00	F-BERGEN
1755.00		BULK	DC	431	0.01	0.75	0.5	150	0.01	F-BERGEN
1760.00		BULK	DC	431	0.01	0.69	0.5	144	0.01	F-BERGEN
1765.00		BULK	DC	432	0.00	0.60	0.5	120	0.00	F-BERGEN
1770.00		BULK	DC	430	0.25	0.69	0.5	130	0.27	F-BERGEN

TABLE: 1

Petroleum Geochemistry Group
Research Centre Bergen
HYDRO

ROCK EVAL SCREENING DATA, WELL 7316/5-1 (cont'd)

Depth (m)	Group/Fm.	Lithology	Type	Tmax DegC	S1 kg/t	S2 kg/t	TOC %	HI	PI	Analysing Company
1775.00		BULK	DC	430	0.05	0.70	0.5	137	0.07	F-BERGEN
1780.00		BULK	DC	431	0.00	0.47	0.5	102	0.00	F-BERGEN
1785.00		BULK	DC	431	0.01	0.69	0.5	135	0.01	F-BERGEN
1790.00		BULK	DC	432	0.01	0.61	0.5	115	0.02	F-BERGEN
1795.00		BULK	DC	432	0.02	0.56	0.5	119	0.03	F-BERGEN
1805.00		BULK	DC	434	0.01	0.72	0.5	138	0.01	F-BERGEN
1810.00		BULK	DC	433	0.01	1.05	0.5	198	0.01	F-BERGEN
1815.00		BULK	DC	434	0.11	1.00	0.5	185	0.10	F-BERGEN
1820.00		BULK	DC	432	0.01	0.88	0.5	166	0.01	F-BERGEN
1825.00		BULK	DC	432	0.01	0.77	0.5	154	0.01	F-BERGEN
1830.00		BULK	DC	425	0.01	0.84	0.5	168	0.01	F-BERGEN
1835.00		BULK	DC	434	0.01	0.71	0.5	145	0.01	F-BERGEN
1840.00		BULK	DC	432	0.01	0.73	0.5	143	0.01	F-BERGEN
1845.00		BULK	DC	431	0.01	0.61	0.5	133	0.02	F-BERGEN
1850.00		BULK	DC	432	0.01	0.64	0.4	142	0.02	F-BERGEN
1855.00		BULK	DC	434	0.01	0.85	0.5	170	0.01	F-BERGEN
1860.00		BULK	DC	445	0.01	0.73	0.4	166	0.01	F-BERGEN
1865.00		BULK	DC	434	0.01	0.92	0.5	180	0.01	F-BERGEN
1870.00		BULK	DC	433	0.01	0.80	0.5	160	0.01	F-BERGEN
1875.00		BULK	DC	424	0.01	0.59	0.5	123	0.02	F-BERGEN
1880.00		BULK	DC	434	0.00	0.78	0.5	150	0.00	F-BERGEN
1885.00		BULK	DC	432	0.01	0.70	0.5	135	0.01	F-BERGEN
1890.00		BULK	DC	433	0.03	0.66	0.5	129	0.04	F-BERGEN
1895.00		BULK	DC	434	0.01	0.63	0.5	131	0.02	F-BERGEN
1900.00		BULK	DC	433	0.01	0.73	0.5	143	0.01	F-BERGEN
1910.00		BULK	DC	434	0.03	1.13	0.5	209	0.03	F-BERGEN
1915.00		BULK	DC	434	0.01	1.15	0.6	209	0.01	F-BERGEN
1920.00		BULK	DC	432	0.01	0.88	0.5	169	0.01	F-BERGEN
1925.00		BULK	DC	434	0.01	0.71	0.5	137	0.01	F-BERGEN
1930.00		BULK	DC	434	0.01	0.81	0.5	156	0.01	F-BERGEN
1935.00		BULK	DC	433	0.01	0.93	0.5	186	0.01	F-BERGEN
1940.00		BULK	DC	432	0.01	0.93	0.5	190	0.01	F-BERGEN
1945.00		BULK	DC	433	0.01	0.72	0.5	157	0.01	F-BERGEN

Petroleum Geochemistry Group
Research Centre Bergen
HYDRO

ROCK EVAL SCREENING DATA, WELL 7316/5-1 (cont'd)

Depth (m)	Group/Fm.	Lithology	Type	Tmax DegC	S1 kg/t	S2 kg/t	TOC %	HI	PI	Analysing Company
1950.00		BULK	DC	430	0.01	0.61	0.5	113	0.02	F-BERGEN
1955.00		BULK	DC	429	0.00	0.46	0.5	92	0.00	F-BERGEN
1960.00		BULK	DC	431	0.01	0.57	0.5	108	0.02	F-BERGEN
1965.00		BULK	DC	437	0.03	1.12	0.6	200	0.03	F-BERGEN
1970.00		BULK	DC	436	0.09	1.11	0.6	195	0.08	F-BERGEN
1975.00		BULK	DC	439	0.01	1.39	0.6	244	0.01	F-BERGEN
1980.00		BULK	DC	435	0.01	1.12	0.6	204	0.01	F-BERGEN
1985.00		BULK	DC	436	0.02	0.82	0.5	152	0.02	F-BERGEN
1990.00		BULK	DC	435	0.11	0.74	0.5	145	0.13	F-BERGEN
1995.00		BULK	DC	435	0.01	0.73	0.5	140	0.01	F-BERGEN
2000.00		BULK	DC	433	0.01	0.68	0.5	136	0.01	F-BERGEN
2010.00		BULK	DC	432	0.01	0.58	0.5	126	0.02	F-BERGEN
2020.00		BULK	DC	430	0.01	0.98	0.4	228	0.01	F-BERGEN
2030.00		BULK	DC	432	0.01	0.73	0.4	174	0.01	F-BERGEN
2040.00		BULK	DC	433	0.01	0.63	0.4	154	0.02	F-BERGEN
2050.00		BULK	DC	433	0.01	0.79	0.5	168	0.01	F-BERGEN
2060.00		BULK	DC	435	0.02	0.72	0.5	153	0.03	F-BERGEN
2070.00		BULK	DC	435	0.01	0.63	0.5	134	0.02	F-BERGEN
2080.00		BULK	DC	435	0.03	0.82	0.6	146	0.04	F-BERGEN
2090.00		BULK	DC	436	0.01	0.66	0.5	135	0.01	F-BERGEN
2100.00		BULK	DC	435	0.01	0.74	0.5	142	0.01	F-BERGEN
2110.00		BULK	DC	435	0.04	0.68	0.5	139	0.06	F-BERGEN
2120.00		BULK	DC	438	0.11	0.87	0.5	171	0.11	F-BERGEN
2130.00		BULK	DC	441	0.02	0.74	0.5	157	0.03	F-BERGEN
2140.00		BULK	DC	435	0.03	0.95	0.5	190	0.03	F-BERGEN
2150.00		BULK	DC	436	0.03	0.77	0.5	160	0.04	F-BERGEN
2160.00		BULK	DC	438	0.03	0.69	0.5	138	0.04	F-BERGEN
2170.00		BULK	DC	438	0.01	0.51	0.5	109	0.02	F-BERGEN
2180.00		BULK	DC	438	0.03	0.82	0.5	158	0.04	F-BERGEN
2190.00		BULK	DC	438	0.11	0.71	0.5	139	0.13	F-BERGEN
2200.00		BULK	DC	438	0.09	0.70	0.5	146	0.11	F-BERGEN
2210.00		BULK	DC	438	0.05	0.72	0.5	150	0.06	F-BERGEN
2220.00		BULK	DC	445	0.04	0.80	0.5	160	0.05	F-BERGEN

TABLE: 1

Petroleum Geochemistry Group
Research Centre Bergen
HYDRO

ROCK EVAL SCREENING DATA, WELL 7316/5-1 (cont'd)

Depth (m)	Group/Fm.	Lithology	Type	Tmax DegC	S1 kg/t	S2 kg/t	TOC %	HI	PI	Analysing Company
2230.00		BULK	DC	438	0.13	0.81	0.5	165	0.14	F-BERGEN
2240.00		BULK	DC	439	0.05	0.63	0.5	137	0.07	F-BERGEN
2250.00		BULK	DC	440	0.09	0.74	0.5	161	0.11	F-BERGEN
2260.00		BULK	DC	441	0.11	0.81	0.5	169	0.12	F-BERGEN
2270.00		BULK	DC	443	0.09	0.94	0.5	177	0.09	F-BERGEN
2280.00		BULK	DC	444	0.03	0.61	0.5	120	0.05	F-BERGEN
2290.00		BULK	DC	444	0.06	0.94	0.6	171	0.06	F-BERGEN
2300.00		BULK	DC	443	0.03	0.83	0.5	160	0.03	F-BERGEN
2310.00		BULK	DC	442	0.03	0.72	0.5	138	0.04	F-BERGEN
2320.00		BULK	DC	442	0.03	0.94	0.5	181	0.03	F-BERGEN
2330.00		BULK	DC	443	0.05	0.78	0.5	163	0.06	F-BERGEN
2340.00		BULK	DC	443	0.05	0.78	0.4	173	0.06	F-BERGEN
2350.00		BULK	DC	445	0.05	0.85	0.5	181	0.06	F-BERGEN
2360.00		BULK	DC	442	0.09	0.97	0.5	183	0.08	F-BERGEN
2370.00		BULK	DC	445	0.07	0.83	0.5	160	0.08	F-BERGEN
2380.00		BULK	DC	446	0.05	0.55	0.4	122	0.08	F-BERGEN
2390.00		BULK	DC	444	0.03	0.59	0.4	134	0.05	F-BERGEN
2400.00		BULK	DC	446	0.05	0.61	0.4	142	0.08	F-BERGEN
2410.00		BULK	DC	445	0.07	0.81	0.5	165	0.08	F-BERGEN
2420.00		BULK	DC	444	0.07	0.80	0.5	167	0.08	F-BERGEN
2430.00		BULK	DC	444	0.07	0.68	0.5	148	0.09	F-BERGEN
2440.00		BULK	DC	445	0.07	0.62	0.4	138	0.10	F-BERGEN
2450.00		BULK	DC	447	0.05	0.61	0.4	153	0.08	F-BERGEN
2460.00		BULK	DC	448	0.07	0.70	0.5	143	0.09	F-BERGEN
2470.00		BULK	DC	448	0.09	0.67	0.5	140	0.12	F-BERGEN
2480.00		BULK	DC	453	0.09	0.55	0.5	110	0.14	F-BERGEN
2490.00		BULK	DC	448	0.13	0.61	0.6	111	0.18	F-BERGEN
2500.00		BULK	DC	447	0.13	0.79	0.5	146	0.14	F-BERGEN
2510.00		BULK	DC	449	0.11	0.65	0.5	135	0.14	F-BERGEN
2520.00		BULK	DC	450	0.09	0.61	0.5	133	0.13	F-BERGEN
2530.00		BULK	DC	452	0.07	0.47	0.5	102	0.13	F-BERGEN
2540.00		BULK	DC	451	0.07	0.50	0.5	106	0.12	F-BERGEN
2550.00		BULK	DC	453	0.09	0.54	0.5	115	0.14	F-BERGEN

TABLE: 1

Petroleum Geochemistry Group
Research Centre Bergen

HYDRO

ROCK EVAL SCREENING DATA, WELL 7316/5-1 (cont'd)

Depth (m)	Group/Fm.	Lithology	Type	Tmax DegC	S1 kg/t	S2 kg/t	TOC %	HI	PI	Analysing Company
2560.00		BULK	DC	452	0.07	0.53	0.4	120	0.12	F-BERGEN
2570.00		BULK	DC	453	0.07	0.40	0.4	95	0.15	F-BERGEN
2580.00		BULK	DC	457	0.10	0.44	0.5	94	0.19	F-BERGEN
2590.00		BULK	DC	453	0.07	0.43	0.4	98	0.14	F-BERGEN
2600.00		BULK	DC	455	0.09	0.41	0.4	98	0.18	F-BERGEN
2610.00		BULK	DC	457	0.07	0.45	0.4	102	0.13	F-BERGEN
2620.00		BULK	DC	454	0.09	0.56	0.5	119	0.14	F-BERGEN
2630.00		BULK	DC	459	0.07	0.37	0.4	84	0.16	F-BERGEN
2640.00		BULK	DC	455	0.11	0.56	0.5	114	0.16	F-BERGEN
2650.00		BULK	DC	459	0.09	0.48	0.4	107	0.16	F-BERGEN
2660.00		BULK	DC	459	0.09	0.47	0.5	102	0.16	F-BERGEN
2670.00		BULK	DC	460	0.11	0.46	0.5	98	0.19	F-BERGEN
2680.00		BULK	DC	462	0.09	0.23	0.5	46	0.28	F-BERGEN
2690.00		BULK	DC	459	0.11	0.36	0.5	68	0.23	F-BERGEN
2700.00		BULK	DC	460	0.07	0.25	0.5	52	0.22	F-BERGEN
2710.00		BULK	DC	459	0.11	0.37	0.5	69	0.23	F-BERGEN
2720.00		BULK	DC	448	0.09	0.38	0.5	79	0.19	F-BERGEN
2730.00		BULK	DC	456	0.11	0.37	0.5	71	0.23	F-BERGEN
2740.00		BULK	DC	459	0.11	0.31	0.5	62	0.26	F-BERGEN
2750.00		BULK	DC	462	0.13	0.35	0.6	64	0.27	F-BERGEN
2760.00		BULK	DC	461	0.13	0.31	0.5	58	0.30	F-BERGEN
2770.00		BULK	DC	463	0.11	0.29	0.5	55	0.28	F-BERGEN
2780.00		BULK	DC	467	0.09	0.21	0.5	44	0.30	F-BERGEN
2790.00		BULK	DC	462	0.09	0.27	0.5	54	0.25	F-BERGEN
2800.00		BULK	DC	468	0.09	0.23	0.5	46	0.28	F-BERGEN
2810.00		BULK	DC	466	0.09	0.25	0.5	49	0.26	F-BERGEN
2820.00		BULK	DC	469	0.07	0.23	0.5	49	0.23	F-BERGEN
2830.00		BULK	DC	474	0.07	0.21	0.5	42	0.25	F-BERGEN
2840.00		BULK	DC	469	0.25	0.29	0.7	43	0.46	F-BERGEN
2850.00		BULK	DC	471	0.27	0.39	0.7	53	0.41	F-BERGEN
2860.00		BULK	DC	473	0.21	0.31	0.7	46	0.40	F-BERGEN
2870.00		BULK	DC	472	0.19	0.29	0.6	45	0.40	F-BERGEN
2880.00		BULK	DC	475	0.17	0.21	0.6	32	0.45	F-BERGEN

TABLE: 1

Petroleum Geochemistry Group
Research Centre Bergen
HYDRO

ROCK EVAL SCREENING DATA, WELL 7316/5-1 (cont'd)

Depth (m)	Group/Fm.	Lithology	Type	Tmax DegC	S1 kg/t	S2 kg/t	TOC %	HI	PI	Analysing Company
2890.00		BULK	DC	473	0.17	0.27	0.7	38	0.39	F-BERGEN
2900.00		BULK	DC	476	0.23	0.29	0.8	38	0.44	F-BERGEN
2910.00		BULK	DC	477	0.13	0.27	0.7	39	0.32	F-BERGEN
2920.00		BULK	DC	482	0.09	0.19	0.6	35	0.32	F-BERGEN
2930.00		BULK	DC	490	0.07	0.15	0.5	28	0.32	F-BERGEN
2940.00		BULK	DC	486	0.11	0.21	0.6	38	0.34	F-BERGEN
2950.00		BULK	DC	482	0.07	0.21	0.6	36	0.25	F-BERGEN
2960.00		BULK	DC	484	0.05	0.17	0.5	35	0.23	F-BERGEN
2970.00		BULK	DC	489	0.07	0.13	0.5	28	0.35	F-BERGEN
2980.00		BULK	DC	438	0.11	0.17	0.2	77	0.39	F-BERGEN
2990.00		BULK	DC	435	0.09	0.19	0.3	76	0.32	F-BERGEN
3000.00		BULK	DC	486	0.03	0.05	0.3	20	0.38	F-BERGEN
3010.00		BULK	DC	435	0.07	0.45	0.5	92	0.13	F-BERGEN
3020.00		BULK	DC	437	0.05	0.35	0.5	69	0.13	F-BERGEN
3030.00		BULK	DC	482	0.07	0.21	0.5	40	0.25	F-BERGEN
3040.00		BULK	DC	494	0.11	0.13	0.6	23	0.46	F-BERGEN
3050.00		BULK	DC		0.11	0.21	0.6	38	0.34	F-BERGEN
3060.00		BULK	DC		0.23	0.37	0.6	63	0.38	F-BERGEN
3070.00		BULK	DC		0.01	0.03	0.2	19		F-BERGEN
3080.00		BULK	DC		0.01	0.03	0.1	60		F-BERGEN
3090.00		BULK	DC		0.03	0.01	0.0	33		F-BERGEN
3100.00		BULK	DC		0.03	0.01	0.4	3		F-BERGEN
3110.00		BULK	DC	425	0.02	0.02	0.5	4		F-BERGEN
3120.00		BULK	DC		0.01	0.05	0.2	29	0.17	F-BERGEN
3130.00		BULK	DC		0.01	0.05	0.2	29	0.17	F-BERGEN
3140.00		BULK	DC	428	0.01	0.03	0.3	12		F-BERGEN
3150.00		BULK	DC	457	0.01	0.09	0.6	14	0.10	F-BERGEN
3160.00		BULK	DC	463	0.01	0.07	0.6	12	0.13	F-BERGEN
3170.00		BULK	DC	466	0.05	0.09	0.5	18	0.36	F-BERGEN
3180.00		BULK	DC	497	0.01	0.09	0.6	15	0.10	F-BERGEN
3190.00		BULK	DC		0.01	0.09	0.7	13	0.10	F-BERGEN
3200.00		BULK	DC	433	0.01	0.13	0.5	28	0.07	F-BERGEN
3210.00		BULK	DC	420	0.07	0.19	0.4	46	0.27	F-BERGEN

Petroleum Geochemistry Group
Research Centre Bergen
HYDRO

ROCK EVAL SCREENING DATA, WELL 7316/5-1 (cont'd)

Depth (m)	Group/Fm.	Lithology	Type	Tmax DegC	S1 kg/t	S2 kg/t	TOC %	HI	PI	Analysing Company
3220.00		BULK	DC	424	0.07	0.13	0.3	37	0.35	F-BERGEN
3230.00		BULK	DC	435	0.01	0.09	0.2	43	0.10	F-BERGEN
3240.00		BULK	DC		0.00	0.03	0.1	30		F-BERGEN
3250.00		BULK	DC	474	0.00	0.02	0.0	50		F-BERGEN
3260.00		BULK	DC		0.00	0.03	0.1	33		F-BERGEN
3270.00		BULK	DC		0.00	0.01	0.1	14		F-BERGEN
3280.00		BULK	DC		0.01	0.03	0.2	14		F-BERGEN
3290.00		BULK	DC		0.00	0.04	0.2	20		F-BERGEN
3300.00		BULK	DC		0.00	0.03	0.2	14		F-BERGEN
3310.00		BULK	DC	435	0.09	0.03	0.3	10		F-BERGEN
3320.00		BULK	DC		0.00	0.03	0.3	10		F-BERGEN
3330.00		BULK	DC		0.00	0.05	0.3	15	0.00	F-BERGEN
3340.00		BULK	DC		0.00	0.03	0.3	12		F-BERGEN
3350.00		BULK	DC		0.00	0.03	0.2	16		F-BERGEN
3360.00		BULK	DC		0.00	0.03	0.3	10		F-BERGEN
3370.00		BULK	DC		0.00	0.03	0.3	12		F-BERGEN
3380.00		BULK	DC		0.01	0.01	0.2	4		F-BERGEN
3390.00		BULK	DC		0.00	0.01	0.3	4		F-BERGEN
3400.00		BULK	DC		0.00	0.03	0.2	13		F-BERGEN
3410.00		BULK	DC		0.00	0.01	0.3	4		F-BERGEN
3420.00		BULK	DC		0.00	0.01	0.3	4		F-BERGEN
3430.00		BULK	DC		0.01	0.01	0.3	3		F-BERGEN
3440.00		BULK	DC		0.00	0.01	0.3	3		F-BERGEN
3450.00		BULK	DC		0.00	0.01	0.3	4		F-BERGEN
3460.00		BULK	DC		0.01	0.01	0.3	4		F-BERGEN
3470.00		BULK	DC		0.07	0.01	0.2	4		F-BERGEN
3480.00		BULK	DC		0.01	0.01	0.2	4		F-BERGEN
3490.00		BULK	DC		0.00	0.01	0.3	4		F-BERGEN
3500.00		BULK	DC		0.00	0.01	0.3	3		F-BERGEN
3510.00		BULK	DC		0.01	0.01	0.3	3		F-BERGEN
3520.00		BULK	DC	440	0.01	0.01	0.3	3		F-BERGEN
3530.00		BULK	DC		0.02	0.02	0.3	8		F-BERGEN
3540.00		BULK	DC		0.00	0.01	0.2	4		F-BERGEN

TABLE: 1

Petroleum Geochemistry Group
Research Centre Bergen
HYDRO

ROCK EVAL SCREENING DATA, WELL 7316/5-1 (cont'd)

Depth (m)	Group/Fm.	Lithology	Type	Tmax DegC	S1 kg/t	S2 kg/t	TOC %	HI	PI	Analysing Company
3550.00		BULK	DC		0.00	0.01	0.1	7		F-BERGEN
3560.00		BULK	DC		0.01	0.01	0.2	6		F-BERGEN
3570.00		BULK	DC		0.00	0.01	0.2	7		F-BERGEN
3580.00		BULK	DC		0.01	0.03	0.2	18		F-BERGEN
3590.00		BULK	DC		0.01	0.01	0.2	6		F-BERGEN
3600.00		BULK	DC		0.00	0.01	0.3	4		F-BERGEN
3610.00		BULK	DC		0.01	0.05	0.3	16	0.17	F-BERGEN
3620.00		BULK	DC		0.05	0.03	0.3	10		F-BERGEN
3630.00		BULK	DC	425	0.19	0.23	0.4	58	0.45	F-BERGEN
3640.00		BULK	DC		0.00	0.01	0.2	5		F-BERGEN
3650.00		BULK	DC		0.01	0.01	0.2	5		F-BERGEN
3660.00		BULK	DC		0.01	0.03	0.3	9		F-BERGEN
3670.00		BULK	DC		0.01	0.03	0.4	8		F-BERGEN
3680.00		BULK	DC		0.01	0.05	0.3	14	0.17	F-BERGEN
3690.00		BULK	DC	428	0.01	0.03	0.3	10		F-BERGEN
3700.00		BULK	DC		0.00	0.03	0.3	9		F-BERGEN
3710.00		BULK	DC		0.00	0.05	0.4	13	0.00	F-BERGEN
3720.00		BULK	DC		0.00	0.03	0.3	9		F-BERGEN
3730.00		BULK	DC		0.01	0.09	0.4	22	0.10	F-BERGEN
3740.00		BULK	DC		0.03	0.09	0.5	18	0.25	F-BERGEN
3750.00		BULK	DC		0.03	0.09	0.6	15	0.25	F-BERGEN
3760.00		BULK	DC		0.03	0.03	0.4	7		F-BERGEN
3770.00		BULK	DC		0.01	0.03	0.4	7		F-BERGEN
3780.00		BULK	DC		0.00	0.05	0.4	13	0.00	F-BERGEN
3790.00		BULK	DC		0.00	0.05	0.4	12	0.00	F-BERGEN
3800.00		BULK	DC		0.00	0.05	0.4	12	0.00	F-BERGEN
3810.00		BULK	DC		0.01	0.07	0.4	16	0.13	F-BERGEN
3820.00		BULK	DC		0.03	0.07	0.5	15	0.30	F-BERGEN
3830.00		BULK	DC		0.01	0.03	0.4	8		F-BERGEN
3840.00		BULK	DC		0.05	0.07	0.5	14	0.42	F-BERGEN
3850.00		BULK	DC		0.01	0.07	0.5	15	0.13	F-BERGEN
3860.00		BULK	DC		0.01	0.07	0.4	16	0.13	F-BERGEN
3870.00		BULK	DC		0.00	0.03	0.4	7		F-BERGEN

TABLE: 1

Petroleum Geochemistry Group
Research Centre Bergen
HYDRO

ROCK EVAL SCREENING DATA, WELL 7316/5-1 (cont'd)

Depth (m)	Group/Fm.	Lithology	Type	Tmax DegC	S1 kg/t	S2 kg/t	TOC %	HI	PI	Analysing Company
3880.00		BULK	DC		0.00	0.03	0.4	7		F-BERGEN
3890.00		BULK	DC		0.00	0.05	0.4	12	0.00	F-BERGEN
3900.00		BULK	DC		0.00	0.06	0.4	14	0.00	F-BERGEN
3910.00		BULK	DC		0.00	0.03	0.5	7		F-BERGEN
3920.00		BULK	DC		0.00	0.05	0.5	11	0.00	F-BERGEN
3930.00		BULK	DC		0.01	0.09	0.5	18	0.10	F-BERGEN
3940.00		BULK	DC		0.01	0.01	0.2	4		F-BERGEN
3950.00		BULK	DC		0.00	0.00	0.2	0		F-BERGEN
3960.00		BULK	DC		0.02	0.02	0.2	13		F-BERGEN
3970.00		BULK	DC		0.00	0.01	0.1	7		F-BERGEN
3980.00		BULK	DC		0.00	0.00	0.2	0		F-BERGEN
3990.00		BULK	DC		0.01	0.03	0.4	8		F-BERGEN
4000.00		BULK	DC		0.00	0.05	0.4	12	0.00	F-BERGEN
4010.00		BULK	DC		0.00	0.07	0.4	16	0.00	F-BERGEN
4020.00		BULK	DC		0.03	0.07	0.5	15	0.30	F-BERGEN
4027.00		BULK	DC		0.07	0.05	0.3	15	0.58	F-BERGEN

Prepared for

HYDRO

GEOCHEMICAL DATA REPORT, WELL 7316/5-1

REPORT NO. 7360

March 1993

TABLE 1
ORGANIC CARBON RESULTS AND GROSS LITHOLOGIC DESCRIPTIONS

JOB 7360 GEOCHEM SAMPLE NUMBER	DEPTH/ IDENTITY	GROSS LITHOLOGIC DESCRIPTION	G S A COLOUR CODE	TOTAL ORGANIC CARBON (Wt. %)
WELL: 7316/5-1				
7360-001	CORE 896.35m	A100% SANDSTONE - med grained, sub-angular to sub-rounded, mod well sorted, unconsolidated, friable, no F, no C, pale yellowish brown.	10YR6/2	
7360-002	CORE 899.35m	A100% SANDSTONE - fine grained, sub-angular, unconsolidated, arg, micaceous, no F, no C, medium yellowish brown.	10YR5/2	
7360-003	CORE 901.60m	A100% SANDSTONE - med grained, sub-angular, mod well sorted, sl micaceous, unconsolidated, no F, no C, pale yellowish brown.	10YR6/2	
7360-004	CORE 903.35m	A100% SANDSTONE - as 7360-003A, no F, no C, pale yellowish brown.	10YR6/2	
7360-005	CORE 905.85m	A100% SANDSTONE - as 7360-003A, no F, no C, pale yellowish brown.	10YR6/2	
7360-032	SWC 944.0m	A100% SANDSTONE - fine to coarse grained, sub-rounded, blocky, soft, arg matrix, no F, no C, light olive grey.	5Y5/2	
7360-033	SWC 990.0m	A100% SANDY CLAYSTONE - blocky, soft, non-calc, grades to arg sandstone, light olive grey.	5Y5/2	
7360-034	SWC 1020.0m	A100% SANDSTONE - very fine grained, sub-angular, blocky, soft, arg matrix, no F, no C, light olive grey.	5Y5/2	
7360-035	SWC 1040.0m	A100% SANDY CLAYSTONE - blocky, soft, non-calc, grades to arg sandstone, greyish olive green.	5GY3/2	
7360-036	SWC 1090.0m	A100% SANDY CLAYSTONE - as 7360-035A, greyish olive green.	5GY3/2	
7360-037	SWC 1166.0m	A100% SANDSTONE - very fine grained, sub-angular, blocky, soft, arg matrix, no F, faint blooming cut, light greenish grey.	5GY8/1	
7360-006	CORE 1347.60m	A100% SANDSTONE - fine grained, sub-angular, sl micaceous, sl glauconitic, arg, unconsolidated, no F, no C, medium yellowish grey.	5Y7/1	

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 7360 GEOCHEM SAMPLE NUMBER	DEPTH/ IDENTITY	GROSS LITHOLOGIC DESCRIPTION	G S A COLOUR CODE	TOTAL ORGANIC CARBON (Wt. %)
7360-007	CORE 1349.10m	A100% SANDSTONE - as 7360-006A, no F, no C, medium yellowish grey.	5Y7/1	
7360-008	CORE 1350.35m	A100% SANDSTONE - as 7360-006A, no F, no C, medium yellowish grey.	5Y7/1	
7360-009	CORE 1353.05m	A100% SANDSTONE - as 7360-006A, no F, no C, medium yellowish grey.	5Y7/1	
7360-010	CORE 1360.50m	A100% CLAYSTONE - platy, firm, non-calc, silty, micaceous, light olive grey.	5Y6/1	0.51
7360-011	CORE 1367.45m	A100% SANDSTONE - fine grained, sub-angular to sub-rounded, mod well sorted, sl glauconitic, sl micaceous, no F, no C, light olive grey.	5Y6/1	
7360-012	CORE 1372.05m	A100% SANDSTONE - as 7360-011A, no F, no C, light olive grey.	5Y6/1	
7360-021	SWC 1390.0m	A100% CLAYSTONE - platy, mod soft, non-calc, micromicaceous, medium olive grey.	5Y5/1	0.56
7360-022	SWC 1430.0m	A100% CLAYSTONE - as 7360-021A, medium olive grey.	5Y5/1	0.54
7360-023	SWC 1438.0m	A100% CLAYSTONE - as 7360-021A, medium olive grey.	5Y5/1	0.57
7360-038	SWC 1443.0m	A100% SANDSTONE - med to coarse grained, sub-angular, blocky, friable, no F, faint blooming cut, light greenish grey.	5GY8/1	
7360-013	CORE 1460.60m	A100% SANDSTONE - med grained, sub-angular, mod well sorted, unconsolidated, trace mica, no F, no C, yellowish grey.	5Y8/1	
7360-014	CORE 1461.35m	A100% SANDSTONE - as 7360-013A, no F, no C, yellowish grey.	5Y8/1	
7360-015	CORE 1463.10m	A100% SANDSTONE - fine to med grained, sub-angular, mod well sorted, glauconitic, sl micaceous, unconsolidated, no F, no C, very light grey.	N8	
7360-016	CORE 1463.60m	A100% SANDSTONE - as 7360-015A, no F, no C, very light grey.	N8	

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 7360 GEOCHEM SAMPLE NUMBER	DEPTH/ IDENTITY	GROSS LITHOLOGIC DESCRIPTION	G S A COLOUR CODE	TOTAL ORGANIC CARBON (Wt. %)
7360-017	CORE 1464.85m	A100% SANDSTONE - as 7360-015A, no F, no C, very light grey.	N8	
7360-018	CORE 1466.10m	A100% SANDSTONE - as 7360-015A, no F, no C, very light grey.	N8	
7360-019	CORE 1467.85m	A 80% SANDSTONE - as 7360-015A, no F, no C, very light grey. B 20% CLAYSTONE - platy, soft, non to sl calc, micromicaceous, silty, light olive grey.	N8 5Y6/1	
7360-020	CORE 1471.50m	A100% CLAYSTONE - as 7360-019B, light olive grey.	5Y6/1	0.59
7360-024	SWC 1478.0m	A100% CLAYSTONE - platy, mod soft, non-calc, micromicaceous, light olive grey.	5Y5/2	0.40
7360-039	1495-1505m	A100% CLAYSTONE - platy to blocky, firm, non-calc, silty, light olive grey.	5Y6/1	0.53
7360-025	SWC 1556.0m	A100% CLAYSTONE - platy, mod soft, non-calc, micromicaceous, light olive grey.	5Y5/2	0.57
7360-040	1600-1610m	A100% CLAYSTONE - platy to blocky, firm, non-calc, silty, light olive grey.	5Y6/1	0.57
7360-041	1665m	A100% CLAYSTONE - as 7360-040A, light olive grey.	5Y6/1	0.62
7360-042	1755m	A100% CLAYSTONE - as 7360-040A, light olive grey.	5Y6/1	0.55
7360-026	SWC 1780.0m	A100% CLAYSTONE - platy, mod soft, non-calc, micromicaceous, light olive grey.	5Y5/2	0.56
7360-027	SWC 1810.0m	A100% CLAYSTONE - as 7360-026A, light olive grey.	5Y5/2	0.54
7360-043	1810m	A100% CLAYSTONE - platy to blocky, firm, non-calc, silty, light olive grey.	5Y6/1	0.63
7360-044	1865m	A100% CLAYSTONE - platy, firm, non-calc, light olive grey.	5Y6/1	0.54
7360-045	1910m	A100% CLAYSTONE - as 7360-044A, light olive grey.	5Y6/1	0.57

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 7360 GEOCHEM SAMPLE NUMBER	DEPTH/ IDENTITY	GROSS LITHOLOGIC DESCRIPTION	G S A COLOUR CODE	TOTAL ORGANIC CARBON (Wt. %)
7360-046	1940m	A100% CLAYSTONE - as 7360-044A, light olive grey.	5Y6/1	0.54
7360-047	1975m	A100% CLAYSTONE - as 7360-044A, light olive grey.	5Y6/1	0.59, 0.58
7360-028	SWC 1980.0m	A100% CLAYSTONE - platy, mod soft, non-calc, micromicaceous, light olive grey.	5Y5/2	0.52
7360-048	2060m	A100% CLAYSTONE - platy, firm, non-calc, light olive grey.	5Y6/1	0.53
7360-049	2120m	A100% CLAYSTONE - platy, firm, non-calc, light olive grey.	5Y6/1	0.60
7360-050	2180m	A100% CLAYSTONE - as 7360-049A, light olive grey.	5Y6/1	0.65
7360-051	2220m	A100% CLAYSTONE - as 7360-049A, light olive grey.	5Y6/1	0.62
7360-052	2250m	A100% CLAYSTONE - as 7360-049A, light olive grey.	5Y6/1	0.59
7360-053	2320m	A100% CLAYSTONE - as 7360-049A, light olive grey.	5Y6/1	0.61
7360-054	2360m	A100% CLAYSTONE - platy, firm, non-calc, medium grey.	N5	0.61
7360-055	2410m	A100% CLAYSTONE - as 7360-054A, medium grey.	N5	0.58
7360-056	2450m	A100% CLAYSTONE - as 7360-054A, medium grey.	N5	0.52
7360-057	2500m	A100% CLAYSTONE - as 7360-054A, medium grey.	N5	0.59
7360-058	2550m	A100% CLAYSTONE - as 7360-054A, medium grey.	N5	0.58
7360-059	2600m	A100% CLAYSTONE - platy, firm, non-calc, medium dark grey to medium grey.	N4 - N5	0.57
7360-060	2650m	A100% CLAYSTONE - as 7360-059A, medium dark grey to medium grey.	N4 - N5	0.59
7360-061	2690m	A100% CLAYSTONE - as 7360-059A, medium dark grey to medium grey.	N4 - N5	0.62, 0.64

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 7360 GEOCHEM SAMPLE NUMBER	DEPTH/ IDENTITY	GROSS LITHOLOGIC DESCRIPTION	G S A COLOUR CODE	TOTAL ORGANIC CARBON (Wt. %)
7360-062	2750m	A100% CLAYSTONE - as 7360-059A, medium dark grey to medium grey.	N4 - N5	0.64
7360-063	2810m	A100% CLAYSTONE - as 7360-059A, medium dark grey to medium grey.	N4 - N5	0.62
7360-064	2840m	A100% CLAYSTONE - platy, firm, non-calc, medium dark grey.	N4	
7360-065	2850m	A100% CLAYSTONE - as 7360-064A, medium dark grey.	N4	0.82
7360-066	2870m	A100% CLAYSTONE - as 7360-064A, medium dark grey.	N4	
7360-029	SWC 2883.0m	A100% CLAYSTONE - platy, mod soft, non-calc, medium dark grey.	N4	0.82
7360-067	2900m	A100% CLAYSTONE - platy, firm, non-calc, medium dark grey.	N4	0.85
7360-068	2920m	A100% CLAYSTONE - as 7360-067A, medium dark grey.	N4	
7360-069	2950m	A100% CLAYSTONE - platy, firm, non-calc, medium dark grey.	N4	0.70
7360-070	2970m	A100% CLAYSTONE - as 7360-069A, medium dark grey.	N4	
7360-030	SWC 2974.0m	A100% CLAYSTONE - platy, mod soft, non-calc, medium grey.	N5	0.65
7360-031	SWC 2999.0m	A100% CLAYSTONE - platy, soft, non-calc, medium dark grey to medium grey.	N4 - N5	1.07
7360-071	3030m	A100% CLAYSTONE - platy, firm, non-calc, medium dark grey.	N4	1.04
7360-072	3040m	A100% CLAYSTONE - as 7360-071A, medium dark grey.	N4	1.14
7360-073	3060m	A 85% SANDSTONE - v fine grained, blocky, soft, calc cement, no F, no C, white. B 15% CLAYSTONE - platy, firm, non-calc, medium dark grey.	N9 N4	
7360-074	3150m	A100% CLAYSTONE - as 7360-073B, medium dark grey.	N4	

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 7360 GEOCHEM SAMPLE NUMBER	DEPTH/ IDENTITY	GROSS LITHOLOGIC DESCRIPTION	G S A COLOUR CODE	TOTAL ORGANIC CARBON (Wt. %)
7360-075	3200m	A 80% CLAYSTONE - as 7360-073B, medium dark grey. B 20% SANDSTONE - as 7360-073A, no F, no C, white.	N4 N9	

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

TABLE 2
TOTAL ORGANIC CARBON

JOB 7360		TOC			EXTRACTED TOC		
GEOCHEM SAMPLE NUMBER	DEPTH/ IDENTITY	TOC (%)	REPEAT TOC (%)	AVERAGE TOC (%)	TOC (%)	REPEAT TOC (%)	AVERAGE TOC (%)
WELL: 7316/5-1							
7360-001A	CORE 896.35m				0.10		0.10
7360-002A	CORE 899.35m				0.29		0.29
7360-003A	CORE 901.60m				0.11		0.11
7360-004A	CORE 903.35m				0.10		0.10
7360-005A	CORE 905.85m				0.08	0.08	0.08
7360-032A	SWC 944.0m				0.36		0.36
7360-033A	SWC 990.0m				0.29		0.29
7360-034A	SWC 1020.0m				0.21		0.21
7360-035A	SWC 1040.0m				0.28		0.28
7360-036A	SWC 1090.0m				0.33		0.33
7360-037A	SWC 1166.0m				0.17		0.17
7360-006A	CORE 1347.60m				0.34		0.34
7360-007A	CORE 1349.10m				0.22		0.22
7360-008A	CORE 1350.35m				0.15		0.15
7360-009A	CORE 1353.05m				0.17		0.17
7360-010A	CORE 1360.50m	0.51		0.51	0.50		0.50
7360-011A	CORE 1367.45m				0.19		0.19
7360-012A	CORE 1372.05m				0.08		0.08
7360-021A	SWC 1390.0m	0.56		0.56	0.50		0.50
7360-022A	SWC 1430.0m	0.54		0.54	0.45		0.45
7360-023A	SWC 1438.0m	0.57		0.57	0.53		0.53
7360-038A	SWC 1443.0m				0.11		0.11
7360-013A	CORE 1460.60m				0.23		0.23
7360-014A	CORE 1461.35m				0.09		0.09
7360-015A	CORE 1463.10m				0.08		0.08
7360-016A	CORE 1463.60m				0.06		0.06
7360-017A	CORE 1464.85m				0.08		0.08
7360-018A	CORE 1466.10m				0.12		0.12
7360-019	CORE 1467.85m				0.45		0.45
7360-020A	CORE 1471.50m	0.59		0.59	0.55		0.55
7360-024A	SWC 1478.0m	0.40		0.40	0.39		0.39
7360-039A	1495-1505m	0.53		0.53	0.47		0.47
7360-025A	SWC 1556.0m	0.57		0.57	0.54		0.54
7360-040A	1600-1610m	0.57		0.57	0.51		0.51
7360-041A	1665m	0.62		0.62	0.56		0.56
7360-042A	1755m	0.55		0.55	0.52		0.52
7360-026A	SWC 1780.0m	0.56		0.56	0.50		0.50
7360-027A	SWC 1810.0m	0.54		0.54	0.50		0.50
7360-043A	1810m	0.63		0.63	0.55	0.54	0.55
7360-044A	1865m	0.54		0.54	0.53		0.53
7360-045A	1910m	0.57		0.57	0.56		0.56
7360-046A	1940m	0.54		0.54	0.53		0.53
7360-047A	1975m	0.59	0.58	0.59	0.55		0.55
7360-028A	SWC 1980.0m	0.52		0.52	0.51		0.51
7360-048A	2060m	0.53		0.53	0.51		0.51
7360-049A	2120m	0.60		0.60	0.55	0.55	0.55
7360-050A	2180m	0.65		0.65	0.59		0.59
7360-051A	2220m	0.62		0.62	0.56		0.56
7360-052A	2250m	0.59		0.59	0.50		0.50
7360-053A	2320m	0.61		0.61	0.53		0.53
7360-054A	2360m	0.61		0.61	0.59	0.58	0.59
7360-055A	2410m	0.58		0.58	0.50		0.50
7360-056A	2450m	0.52		0.52	0.46		0.46
7360-057A	2500m	0.59		0.59	0.52		0.52

TABLE 2
TOTAL ORGANIC CARBON

JOB 7360		TOC			EXTRACTED TOC		
GEOCHEM SAMPLE NUMBER	DEPTH/ IDENTITY	TOC (%)	REPEAT TOC (%)	AVERAGE TOC (%)	TOC (%)	REPEAT TOC (%)	AVERAGE TOC (%)
7360-058A	2550m	0.58		0.58	0.54		0.54
7360-059A	2600m	0.57		0.57	0.51		0.51
7360-060A	2650m	0.59		0.59	0.55		0.55
7360-061A	2690m	0.62	0.64	0.63	0.56		0.56
7360-062A	2750m	0.64		0.64	0.62		0.62
7360-063A	2810m	0.62		0.62	0.59		0.59
7360-065A	2850m	0.82		0.82	0.77		0.77
7360-029A	SWC 2883.0m	0.82		0.82	0.76		0.76
7360-067A	2900m	0.85		0.85	0.83		0.83
7360-069A	2950m	0.70		0.70	0.69		0.69
7360-030A	SWC 2974.0m	0.65		0.65	0.61		0.61
7360-031A	SWC 2999.0m	1.07		1.07	1.01		1.01
7360-071A	3030m	1.04		1.04	1.02		1.02
7360-072A	3040m	1.14		1.14	1.06		1.06

TABLE 3
STANDARD PYROLYSIS DATA

JOB 7360 GEOCHEM SAMPLE NUMBER	DEPTH/ IDENTITY	ORGANIC CARBON (%)	S0 (mg/g)	S1 (mg/g)	S2 (mg/g)	PRODN INDEX	HYDGN INDEX	TMAX (°C)
WELL: 7316/5-1								
7360-010A	CORE 1360.50m	0.51	0.00	0.09	0.38	0.19	74.5	428
7360-021A	SWC 1390.0m	0.56	0.02	0.10	0.42	0.19	75.0	417
7360-022A	SWC 1430.0m	0.54	0.01	0.08	0.35	0.18	64.8	423
7360-023A	SWC 1438.0m	0.57	0.01	0.11	0.40	0.21	70.2	423
7360-020A	CORE 1471.50m	0.59	0.01	0.09	0.42	0.17	71.2	431
7360-024A	SWC 1478.0m	0.40	0.03	0.48	0.39	0.53	97.5	431
7360-039A	1495-1505m	0.53	0.01	0.17	0.54	0.24	101.9	427
7360-025A	SWC 1556.0m	0.57	0.02	0.17	0.36	0.31	63.2	419
7360-040A	1600-1610m	0.57	0.00	0.16	0.55	0.23	96.5	433
7360-041A	1665m	0.62	0.05	0.74	0.82	0.46	132.3	433
7360-042A	1755m	0.55	0.02	0.12	0.72	0.14	130.9	427
7360-026A	SWC 1780.0m	0.56	0.02	0.19	0.32	0.36	57.1	430
7360-027A	SWC 1810.0m	0.54	0.02	0.22	0.39	0.35	72.2	419
7360-043A	1810m	0.63	0.03	0.18	0.64	0.21	101.6	437
7360-044A	1865m	0.54	0.01	0.17	0.61	0.22	113.0	444
7360-045A	1910m	0.57	0.02	0.20	0.76	0.20	133.3	436
7360-046A	1940m	0.54	0.03	0.53	0.74	0.41	137.0	436
7360-047A	1975m	0.59	0.00	0.08	0.90	0.08	152.5	441
7360-028A	SWC 1980.0m	0.52	0.03	0.30	0.65	0.31	125.0	450
7360-048A	2060m	0.53	0.01	0.06	0.60	0.09	113.2	439
7360-049A	2120m	0.60	0.00	0.10	0.39	0.20	65.0	441
7360-050A	2180m	0.65	0.00	0.08	0.78	0.09	120.0	440
7360-051A	2220m	0.62	0.00	0.12	0.63	0.16	101.6	449
7360-052A	2250m	0.59	0.00	0.09	0.67	0.12	113.6	442
7360-053A	2320m	0.61	0.02	0.21	0.73	0.22	119.7	446
7360-054A	2360m	0.61	0.00	0.09	0.77	0.10	126.2	445
7360-055A	2410m	0.58	0.00	0.10	0.69	0.13	119.0	445
7360-056A	2450m	0.52	0.00	0.11	0.65	0.14	125.0	451
7360-057A	2500m	0.59	0.00	0.13	0.69	0.16	116.9	452
7360-058A	2550m	0.58	0.00	0.17	0.75	0.18	129.3	453
7360-059A	2600m	0.57	0.00	0.23	0.71	0.24	124.6	456
7360-060A	2650m	0.59	0.02	0.34	0.54	0.38	91.5	459
7360-061A	2690m	0.63	0.04	0.11	0.55	0.16	87.3	454
7360-062A	2750m	0.64	0.02	0.30	0.45	0.39	70.3	458
7360-063A	2810m	0.62	0.03	0.20	0.38	0.33	61.3	454
7360-065A	2850m	0.82	0.00	0.13	0.49	0.21	59.8	469
7360-029A	SWC 2883.0m	0.82	0.02	0.35	0.21	0.60	25.6	443
7360-067A	2900m	0.85	0.02	0.32	0.65	0.32	76.5	463
7360-069A	2950m	0.70	0.00	0.21	0.32	0.40	45.7	474
7360-030A	SWC 2974.0m	0.65	0.03	0.40	0.28	0.56	43.1	441
7360-031A	SWC 2999.0m	1.07	0.03	0.30	0.23	0.54	21.5	533
7360-071A	3030m	1.04	0.02	0.40	0.48	0.44	46.2	467
7360-072A	3040m	1.14	0.00	0.26	0.30	0.46	26.3	425

UNEXTRACTED LITHOLOGIES

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 4
STANDARD PYROLYSIS DATA

JOB 7360 GEOCHEM SAMPLE NUMBER	DEPTH/ IDENTITY	ORGANIC CARBON (%)	S0 (mg/g)	S1 (mg/g)	S2 (mg/g)	PRODN INDEX	HYDGN INDEX	TMAX (°C)
WELL: 7316/5-1								
7360-039A	1495-1505m	0.47	0.02	0.13	0.40	0.24	85.1	433
7360-040A	1600-1610m	0.51	0.01	0.12	0.46	0.20	90.2	430
7360-041A	1665m	0.56	0.01	0.40	0.54	0.42	96.4	439
7360-042A	1755m	0.52	0.03	0.10	0.59	0.14	113.5	440
7360-043A	1810m	0.55	0.02	0.08	0.59	0.12	107.3	434
7360-044A	1865m	0.53	0.02	0.09	0.61	0.13	115.1	432
7360-045A	1910m	0.56	0.01	0.07	0.52	0.12	92.9	438
7360-046A	1940m	0.53	0.01	0.14	0.65	0.18	122.6	435
7360-047A	1975m	0.55	0.01	0.05	0.67	0.07	121.8	440
7360-048A	2060m	0.51	0.03	0.11	0.66	0.14	129.4	443
7360-049A	2120m	0.55	0.01	0.06	0.31	0.16	56.4	440
7360-050A	2180m	0.59	0.00	0.05	0.66	0.07	111.9	440
7360-051A	2220m	0.56	0.00	0.07	0.55	0.11	98.2	441
7360-052A	2250m	0.50	0.00	0.03	0.66	0.04	132.0	445
7360-053A	2320m	0.53	0.02	0.09	0.72	0.11	135.8	446
7360-054A	2360m	0.59	0.04	0.08	0.73	0.09	123.7	442
7360-055A	2410m	0.50	0.03	0.08	0.61	0.11	122.0	443
7360-056A	2450m	0.46	0.03	0.03	0.47	0.06	102.2	446
7360-057A	2500m	0.52	0.03	0.12	0.49	0.19	94.2	445
7360-058A	2550m	0.54	0.05	0.08	0.48	0.13	88.9	446
7360-059A	2600m	0.51	0.02	0.23	0.36	0.38	70.6	460
7360-060A	2650m	0.55	0.02	0.19	0.38	0.32	69.1	456
7360-061A	2690m	0.56	0.03	0.10	0.36	0.20	64.3	447
7360-062A	2750m	0.62	0.02	0.14	0.35	0.27	56.5	458
7360-063A	2810m	0.59	0.02	0.10	0.32	0.23	54.2	459
7360-065A	2850m	0.77	0.02	0.19	0.32	0.36	41.6	472
7360-067A	2900m	0.83	0.03	0.17	0.31	0.33	37.3	471
7360-069A	2950m	0.69	0.03	0.21	0.26	0.42	37.7	467
7360-071A	3030m	1.02	0.03	0.10	0.22	0.29	21.6	547
7360-072A	3040m	1.06	0.01	0.11	0.28	0.28	26.4	549

EXTRACTED LITHOLOGIES

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 5a
PYROLYSIS-GC GAS-OIL INDICES

JOB 7360							INDICES		
GEOCHEM SAMPLE NUMBER	DEPTH/ IDENTITY	% C1	% C2-C5	% C6-C14	% C15+	% nC17	TOLUENE / nC8	% PHENOL	% C1-C5
WELL: 7316/5-1									
7360-029A	SWC 2883.0m	13.74	36.22	50.04	0.00	0.00	2.68	0.09	49.96
7360-030A	SWC 2974.0m	24.84	41.62	33.55	0.00	0.00	4.60	0.02	66.46
7360-031A	SWC 2999.0m	32.10	41.07	26.83	0.00	0.00	9.31	0.02	73.17

TABLE 5b
PYROLYSIS-GC GAS-OIL INDICES

JOB 7360							INDICES		
GEOCHEM SAMPLE NUMBER	DEPTH/ IDENTITY	% C1	% C2-C6	% C7-C14	% C15+	% nC17	TOLUENE / nC8	% PHENOL	% C1-C6
WELL: 7316/5-1									
7360-029A	SWC 2883.0m	13.74	46.44	39.82	0.00	0.00	2.68	0.09	60.18
7360-030A	SWC 2974.0m	24.84	52.10	23.07	0.00	0.00	4.60	0.02	76.94
7360-031A	SWC 2999.0m	32.10	47.51	20.40	0.00	0.00	9.31	0.02	79.61

TABLE 6
KEROGEN TYPE AND MATURATION

JOB 7360 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
WELL: 7316/5-1								
7360-010A	CORE 1360.50m	W;H-I;Al			F-M	G	1+ to 2-	2
7360-021A	SWC 1390.0m	W;H-Al-I;-			F-M	G	1+ to 2-	2
7360-022A	SWC 1430.0m	W;H-Al;I-Am			F-M	G	1+ to 2-	2
7360-023A	SWC 1438.0m	W;H-Al-I;Am			F-M	G	1+ to 2-	2
7360-020A	CORE 1471.50m	W;H-Al;I			F-M	G	1+ to 2-	2
7360-024A	SWC 1478.0m	W;H-Al-I;-	H at 2-		F-M	G	1+ to 2-	2
7360-039A	1495-1505m	W;H-Al;I-Am	contamination good H at 2-		F-M	F	1+ to 2-(?)	2(?)
7360-025A	SWC 1556.0m	W;H-Al-I;Am			F-M	F	1+ to 2-	2
7360-040A	1600-1610m	W-H;Al;I	contamination good H at 2-		F-M	F	1+ to 2-(?)	2(?)
7360-041A	1665m	W-H;Al;I-Am	dominant H at 2-		F-M	F-G	1+ to 2-/2-	2.5
7360-042A	1755m	(W-H;Al;I-Am)	lean, unreliable contamination		F-M	F	2-(?)	3(?)
7360-026A	SWC 1780.0m	W;H-Al-I;Am	lean		F-M	F	2-	3
7360-027A	SWC 1810.0m	W;H-Al-I;Am			F-M	G	2-	3

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

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

TABLE 6
KEROGEN TYPE AND MATURATION

JOB 7360 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
7360-043A	1810m	W-H;Al;I-Am	lean, contamination		F-M	F	2-	3
7360-044A	1865m	H-W;Al;I-Am	contamination		F-M	F	2-	3
7360-045A	1910m	W-H;Al;I-Am	contamination		F-M	F	2-	3
7360-046A	1940m	H-W;Al;I-Am	contamination		F-M	F	2- to 2	3.5
7360-047A	1975m	H-W;Al;I	lean, contamination		F-M	F	2- to 2	3.5
7360-028A	SWC 1980.0m	W;H-Al-I;Am			F-M	G	2- to 2	3.5
7360-048A	2060m	-;H-W-Al;I-Am	contamination approaching(?) 2		F-M	F	2- to 2	3.5
7360-049A	2120m	-;H-Al-W;I-Am	contamination, differentiation difficult		F-M	F	2(?)	4(?)
7360-050A	2180m	(H-W;Al;I-Am)	lean, unreliable contamination		F-M	F	2(?)	4(?)
7360-051A	2220m	(H-W;Al;I-Am)	lean, unreliable, treat data with caution contamination		F-M	F	2(?)	4(?)
7360-052A	2250m	-;H-W-Al;I-Am	contamination		F-M	F	2	4

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

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

TABLE 6
KEROGEN TYPE AND MATURATION

JOB 7360 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
7360-053A	2320m	-;H-W-Al;I-Am	lean, unreliable, differentiation difficult contamination		F-M	F	2/2 to 2+	4.8
7360-054A	2360m	(H-W;Al;I)	extremely lean, unreliable, treat data with caution contamination		F-M	F	2 to 2+	5
7360-055A	2410m	(W-H;I;Al)	extremely lean, unreliable, treat data with caution contamination		F-M	F	2 to 2+	5
7360-056A	2450m	(H-W;I-Al;-)	extremely lean, unreliable, treat data with caution contamination		F-M	F	2 to 2+	5
7360-057A	2500m	(W-H;I-Al;-)	extremely lean, unreliable, treat data with caution		F-M	F	2+	5.5
7360-058A	2550m	W-H;I;Al	lean, contamination		F-M	F	2+	5.5
7360-059A	2600m	W-H;I;Al-Am	lean, contamination		F-M	F	2+ to 3-	6
7360-060A	2650m	W-H;I;Am-Al	contamination		F-M	F	2+ to 3-	6
7360-061A	2690m	W;H-I;Al-Am	contamination		F-M	F	2+ to 3-/3-	6.2
7360-062A	2750m	(W-I;H;Al)	lean, unreliable, treat data with caution		F-M	F	3-	6.3

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

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

TABLE 6
KEROGEN TYPE AND MATURATION

JOB 7360 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
7360-063A	2810m	(W-I;H;Al)	lean, unreliable, treat data with caution material at 3- to 3		F-M	F	3-(?)	6.3?
7360-064A	2840m	W;I-H;Am	lean, W/I differentiation difficult		F-M	F	3- to 3	6.6
7360-065A	2850m	W;I-H;Am	*abundant cavings(?) at 3-		F-M	F	3- to 3(?)*	6.6?
7360-066A	2870m	(W;H-I;Am)	differentiation difficult, treat data with caution		F-M	F	3- to 3	6.6
7360-029A SWC	2883.0m	W/I*;H;Am	*mature W frequently indistinguishable from I		F-M	F	3- to 3	6.7
7360-067A	2900m	W;H-I;Am-Al	contamination (?)		F-M	P-F	3- to 3	6.6
7360-068A	2920m	W;I-H;Am(-Al)	lean, contamination/bitumen(?)		F-M	F	3- to 3	6.6
7360-069A	2950m	W;I-H;Am(-Al)	lean, contamination/bitumen(?)		F-M	F	3- to 3	6.7
7360-070A	2970m	W;I-H;Am	lean, contamination/bitumen(?)		F-M	P-F	3- to 3/3(?)	6.9 ?
7360-030A SWC	2974.0m	W/I*;H;Am-Al	lean *mature W frequently indistinguishable from I		F-M	F	3- to 3(?)	6.7?
7360-031A SWC	2999.0m	Am*;-;I-H	*unrecognisable, poor quality, possibly contamination		F-M	P	--	-

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

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

TABLE 6
KEROGEN TYPE AND MATURATION

JOB 7360 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
7360-071A	3030m	W/I*;H;-	*high maturity W frequently indistinguishable from I ** at least(?) - additional material at 3 to 3+ and 3+, also significant cavings.		F-M	F	3(?) **	7(?)
7360-072A	3040m	W/I*;H;-	lean, contamination *W/I generally indistinguishable - largely graphitised? ** passing to 3+(?)		F-M	F	3 to 3+? **	7.5 ?
7360-073B	3060m	W/I*;H;-	lean, contamination *largely graphitised and therefore indistinguishable **additional material at 3 and 3 to 3+		F-M	F	3+(?)**	8(?)
7360-074A	3150m	See remarks	apparently graphitised, unrecognisable		F-M	P-F	3+(?)	8(?)
7360-075A	3200m	W/I*;H;-	*highly mature W frequently indistinguishable from I. Material at 3 to 3+ and possibly 3+, also cavings.		F-M	F	3(?)	7(?)

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 7

KEROGEN COMPOSITION

WELL: 7316/5-1

GEOCHEM SAMPLE NUMBER	DEPTH	VISUAL ESTIMATE (%) Am	Al	H	W	I
7360-010A	1360.50m CORE	-	2	28	55	15
7360-021A	1390.0m SWC	-	20	20	50	10
7360-022A	1430.0m SWC	1	14	26	50	9
7360-023A	1438.0m SWC	1	13	28	48	10max
7360-020A	1471.50m CORE	-	13	29	49	9
7360-024A	1478.0m SWC	-	15	25	50	10
7360-039A	1495-1505m	1	15	29	50	5
7360-025A	1556.0m SWC	2	20	28	40	10
7360-040A	1600-1610m	-	15	32	50	3
7360-041A	1665m	1	15	30	49	5
7360-042A	1755m	(2	17	33	45	3)
7360-026A	1780.0m SWC	2	16	27	45	10
7360-027A	1810.0m SWC	1	15	30	44	10
7360-043A	1810m	1	15	33	46	5
7360-044A	1865m	2	20	38	35	5
7360-045A	1910m	2	18	33	40	7
7360-046A	1940m	2	20	41	34	3
7360-047A	1975m	-	20	37	35	5
7360-028A	1980.0m SWC	1	15	29	45	10
7360-048A	2060m	1	24	37	33	5
7360-049A	2120m	1	30	35	30	4
7360-050A	2180m	(1	20	38	34	7)
7360-051A	2220m	(3	20	37	35	5)
7360-052A	2250m	2	23	42	30	3

( ) treat data with caution, see remarks - Table 6

TABLE 7 - Continued

GEOCHEM SAMPLE NUMBER	DEPTH	VISUAL ESTIMATE (%) Am	Al	H	W	I
7360-053A	2320m	2	23	43	29	3
7360-054A	2360m	(-	10	47	35	8)
7360-055A	2410m	(-	5	35	45	15)
7360-056A	2450m	(-	10	40	40	10)
7360-057A	2500m	(-	10	35	38	17)
7360-058A	2550m	-	6	40	40	14
7360-059A	2600m	1	6	35	40	18
7360-060A	2650m	1	1	39	43	16
7360-061A	2690m	2	3	30	45	20
7360-062A	2750m	(-	2	23	41	34)
7360-063A	2810m	(-	2	22	43	33)
7360-064A	2840m	3	-	24	43	30
7360-065A	2850m	3	-	26	43	28
7360-066A	2870m	(5	-	25	45	25)
7360-029A	2883.0m SWC	2	-	25	← 73 →	
7360-067A	2900m	5	2	25	40	28
7360-068A	2920m	4	(1)	25	45	25
7360-069A	2950m	5	(1)	20	45	29
7360-070A	2970m	3	-	24	45	28
7360-030A	2974.0m SWC	5	1	17	← 77 →	
7360-031A	2999.0m SWC	98*	-	1	-	1
7360-071A	3030m	-	-	10 max	← 90 →	
7360-072A	3040m	-	-	10	← 90 →	
7360-073B	3060m	-	-	20	← 80 →	
7360-074A	3150m	see remarks - Table 6				
7360-075A	3200m	-	-	10 max	← 90 →	

( ) treat data with caution, see remarks - Table 6
* unrecognisable, see remarks - Table 6

TABLE 8
CONCENTRATION (PPM) OF EXTRACTED C_{15+} MATERIAL IN ROCK

JOB 7360	LITHO			HYDROCARBONS			NON HYDROCARBONS			
GEOCHEM SAMPLE NUMBER		DEPTH/ IDENTITY	TOTAL EXTRACT	Saturates	Aromatics	TOTAL	Preciptd. Asphaltenes	Eluted NSO's	Non-Eluted NSO's	TOTAL
WELL: 7316/5-1										
7360-001A		CORE 896.35m	220	49	40	89	64	66	1	131
7360-002A		CORE 899.35m	370	125	68	194	100	74	1	176
7360-003A		CORE 901.60m	223	39	72	112	67	43	1	111
7360-004A		CORE 903.35m	215	54	69	123	54	38	1	93
7360-005A		CORE 905.85m	139	23	31	54	49	35	1	85
7360-032A		SWC 944.0m	526	161	202	363	114	46	2	163
7360-033A		SWC 990.0m	591	223	190	413	125	49	3	178
7360-034A		SWC 1020.0m	429	138	106	244	55	128	1	185
7360-035A		SWC 1040.0m	785	146	272	418	237	128	2	367
7360-036A		SWC 1090.0m	632	105	274	379	100	150	3	253
7360-037A		SWC 1166.0m	483	126	215	340	59	81	2	142
7360-006A		CORE 1347.60m	354	35	79	114	176	63	1	240
7360-007A		CORE 1349.10m	394	63	128	191	103	99	1	203
7360-008A		CORE 1350.35m	284	38	86	124	99	61	1	161
7360-009A		CORE 1353.05m	579	85	128	212	172	193	2	367
7360-010A		CORE 1360.50m	338	53	83	136	91	109	1	202
7360-011A		CORE 1367.45m	440	58	102	160	176	102	1	280
7360-012A		CORE 1372.05m	299	54	50	105	81	113	1	195
7360-021A		SWC 1390.0m	719	166	254	419	127	171	3	300
7360-022A		SWC 1430.0m	409	76	161	237	101	69	2	172
7360-023A		SWC 1438.0m	654	154	250	404	89	156	4	249
7360-038A		SWC 1443.0m	658	115	337	452	89	115	3	206
7360-013A		CORE 1460.60m	639	86	201	287	178	173	1	352
7360-014A		CORE 1461.35m	329	47	63	110	96	122	1	219
7360-015A		CORE 1463.10m	464	48	126	173	229	61	1	291
7360-016A		CORE 1463.60m	229	44	7	51	95	83	1	178
7360-017A		CORE 1464.85m	204	49	7	56	79	68	1	148
7360-018A		CORE 1466.10m	290	42	64	106	107	75	1	184
7360-019		CORE 1467.85m	554	113	153	267	189	97	1	287
7360-020A		CORE 1471.50m	547	92	192	284	131	131	1	263
7360-024A		SWC 1478.0m	478	118	163	281	43	153	2	197
7360-025A		SWC 1556.0m	789	159	254	413	261	113	2	376

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

TABLE 8
CONCENTRATION (PPM) OF EXTRACTED C_{15+} MATERIAL IN ROCK

JOB 7360	L I T H O	DEPTH/ IDENTITY	TOTAL EXTRACT	HYDROCARBONS			NON HYDROCARBONS			
GEOCHEM SAMPLE NUMBER				Saturates	Aromatics	TOTAL	Preciptd. Asphaltenes	Eluted NSO's	Non-Eluted NSO's	TOTAL
7360-026A		SWC 1780.0m	915	256	339	595	99	218	3	320
7360-027A		SWC 1810.0m	648	119	273	393	72	180	3	255
7360-028A		SWC 1980.0m	456	127	130	257	116	80	2	199
7360-029A		SWC 2883.0m	527	241	166	407	71	47	3	120
7360-030A		SWC 2974.0m	434	164	50	213	102	117	2	221
7360-031A		SWC 2999.0m	651	245	98	343	131	173	4	308

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

TABLE 9
COMPOSITION (NORMALISED %) OF C_{15+} MATERIAL

JOB 7360 / GEOCHEM SAMPLE NUMBER	LITHO	DEPTH/ IDENTITY	HYDROCARBONS		NON HYDROCARBONS		
			Saturates	Aromatics	Preciptd. Asphaltenes	Eluted NSO's	Non-Eluted NSO's
WELL: 7316/5-1							
7360-001A		CORE 896.35m	22.41	18.05	29.05	30.08	0.41
7360-002A		CORE 899.35m	33.87	18.49	27.13	20.11	0.40
7360-003A		CORE 901.60m	17.67	32.44	30.20	19.24	0.45
7360-004A		CORE 903.35m	24.90	32.04	24.90	17.55	0.61
7360-005A		CORE 905.85m	16.67	21.98	35.51	25.36	0.48
7360-032A		SWC 944.0m	30.61	38.46	21.77	8.84	0.33
7360-033A		SWC 990.0m	37.83	32.09	21.24	8.37	0.47
7360-034A		SWC 1020.0m	32.28	24.67	12.91	29.80	0.33
7360-035A		SWC 1040.0m	18.65	34.59	30.23	16.24	0.30
7360-036A		SWC 1090.0m	16.63	43.37	15.78	23.73	0.48
7360-037A		SWC 1166.0m	26.02	44.51	12.23	16.77	0.47
7360-006A		CORE 1347.60m	9.97	22.33	49.74	17.76	0.21
7360-007A		CORE 1349.10m	16.02	32.42	26.04	25.26	0.26
7360-008A		CORE 1350.35m	13.41	30.10	34.72	21.46	0.30
7360-009A		CORE 1353.05m	14.61	22.05	29.75	33.33	0.26
7360-010A		CORE 1360.50m	15.61	24.57	27.02	32.37	0.43
7360-011A		CORE 1367.45m	13.18	23.27	40.00	23.27	0.27
7360-012A		CORE 1372.05m	18.22	16.75	27.02	37.65	0.37
7360-021A		SWC 1390.0m	23.01	35.28	17.64	23.72	0.35
7360-022A		SWC 1430.0m	18.53	39.45	24.59	16.88	0.55
7360-023A		SWC 1438.0m	23.64	38.25	13.61	23.93	0.57
7360-038A		SWC 1443.0m	17.43	51.22	13.46	17.43	0.46
7360-013A		CORE 1460.60m	13.47	31.42	27.92	27.06	0.11
7360-014A		CORE 1461.35m	14.36	19.03	29.28	37.05	0.27
7360-015A		CORE 1463.10m	10.29	27.06	49.40	13.08	0.17
7360-016A		CORE 1463.60m	19.20	2.92	41.31	36.09	0.49
7360-017A		CORE 1464.85m	24.09	3.27	38.74	33.54	0.36
7360-018A		CORE 1466.10m	14.51	22.10	37.08	26.03	0.28
7360-019		CORE 1467.85m	20.48	27.67	34.15	17.50	0.19
7360-020A		CORE 1471.50m	16.83	35.10	23.94	23.94	0.18
7360-024A		SWC 1478.0m	24.64	34.12	8.94	31.93	0.37
7360-025A		SWC 1556.0m	20.15	32.19	33.02	14.33	0.31
7360-026A		SWC 1780.0m	28.00	37.01	10.79	23.84	0.36
7360-027A		SWC 1810.0m	18.42	42.16	11.15	27.79	0.48
7360-028A		SWC 1980.0m	27.88	28.57	25.47	17.56	0.52
7360-029A		SWC 2883.0m	45.75	31.50	13.38	8.88	0.50
7360-030A		SWC 2974.0m	37.71	11.46	23.48	26.99	0.37
7360-031A		SWC 2999.0m	37.70	15.01	20.09	26.64	0.56

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

TABLE 10
SIGNIFICANT C_{15+} RATIOS

JOB 7360 GEOCHEM SAMPLE NUMBER	LITHO	DEPTH/ IDENTITY	TOC (%)	mg/g TOC TOTAL EXTRACT	SATURATES	AROMATICS	TOTAL HYDROCARBONS	ELUTED NSO's	ASPHALTENES	HYDROCARBONS % TOTAL EXTRACT	SATURATES / AROMATICS
WELL: 7316/5-1											
7360-001A	CORE	896.35m	0.10	219.59	49.20	39.64	88.84	66.06	63.78	40.46	1.24
7360-002A	CORE	899.35m	0.29	127.69	43.25	23.61	66.86	25.68	34.64	52.36	1.83
7360-003A	CORE	901.60m	0.11	202.98	35.87	65.84	101.72	39.05	61.30	50.11	0.54
7360-004A	CORE	903.35m	0.10	215.20	53.58	68.95	122.53	37.77	53.58	56.94	0.78
7360-005A	CORE	905.85m	0.08	174.07	29.01	38.26	67.27	44.15	61.81	38.65	0.76
7360-032A	SWC	944.0m	0.36	146.06	44.70	56.18	100.88	12.91	31.79	69.07	0.80
7360-033A	SWC	990.0m	0.29	203.68	77.05	65.37	142.42	17.05	43.26	69.92	1.18
7360-034A	SWC	1020.0m	0.21	204.13	65.90	50.36	116.26	60.83	26.36	56.95	1.31
7360-035A	SWC	1040.0m	0.28	280.40	52.29	96.98	149.27	45.54	84.75	53.23	0.54
7360-036A	SWC	1090.0m	0.33	191.56	31.85	83.09	114.93	45.47	30.23	60.00	0.38
7360-037A	SWC	1166.0m	0.17	283.88	73.86	126.37	200.23	47.61	34.71	70.53	0.58
7360-006A	CORE	1347.60m	0.34	104.21	10.39	23.27	33.65	18.50	51.83	32.29	0.45
7360-007A	CORE	1349.10m	0.22	178.93	28.66	58.01	86.67	45.20	46.60	48.44	0.49
7360-008A	CORE	1350.35m	0.15	189.55	25.42	57.06	82.49	40.68	65.82	43.52	0.45
7360-009A	CORE	1353.05m	0.17	340.43	49.74	75.06	124.80	113.48	101.27	36.66	0.66
7360-010A	CORE	1360.50m	0.50	67.64	10.56	16.62	27.18	21.90	18.28	40.17	0.64
7360-011A	CORE	1367.45m	0.19	231.58	30.53	53.89	84.42	53.89	92.63	36.45	0.57
7360-012A	CORE	1372.05m	0.08	373.99	68.12	62.64	130.76	140.82	101.04	34.96	1.09
7360-021A	SWC	1390.0m	0.50	143.87	33.11	50.76	83.87	34.12	25.38	58.29	0.65
7360-022A	SWC	1430.0m	0.45	90.86	16.84	35.84	52.68	15.34	22.34	57.98	0.47
7360-023A	SWC	1438.0m	0.53	123.31	29.15	47.17	76.32	29.50	16.78	61.89	0.62
7360-038A	SWC	1443.0m	0.11	598.13	104.26	306.38	410.65	104.26	80.48	68.65	0.34
7360-013A	CORE	1460.60m	0.23	277.65	37.41	87.24	124.66	75.14	77.53	44.90	0.43
7360-014A	CORE	1461.35m	0.09	365.25	52.46	69.51	121.97	135.34	106.93	33.39	0.75
7360-015A	CORE	1463.10m	0.08	580.30	59.71	157.03	216.75	75.88	286.69	37.35	0.38
7360-016A	CORE	1463.60m	0.06	381.44	73.23	11.12	84.35	137.65	157.58	22.11	6.58
7360-017A	CORE	1464.85m	0.08	254.44	61.30	8.32	69.62	85.33	98.57	27.36	7.37
7360-018A	CORE	1466.10m	0.12	241.52	35.05	53.37	88.42	62.87	89.55	36.61	0.66
7360-019	CORE	1467.85m	0.45	123.08	25.21	34.06	59.26	21.54	42.04	48.15	0.74
7360-020A	CORE	1471.50m	0.55	99.51	16.75	34.93	51.68	23.82	23.82	51.94	0.48
7360-024A	SWC	1478.0m	0.39	122.50	30.18	41.80	71.98	39.12	10.95	58.76	0.72
7360-025A	SWC	1556.0m	0.54	146.17	29.45	47.06	76.50	20.95	48.27	52.34	0.63

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

TABLE 10
SIGNIFICANT C_{15+} RATIOS

JOB 7360 GEOCHEM SAMPLE NUMBER	LITHO	DEPTH/ IDENTITY	TOC (%)	mg/g TOC						HYDROCARBONS % TOTAL EXTRACT	SATURATES / AROMATICS
				TOTAL EXTRACT	SATURATES	AROMATICS	TOTAL HYDROCARBONS	ELUTED NSO's	ASPHALTENES		
7360-026A		SWC 1780.0m	0.50	183.06	51.25	67.75	119.00	43.65	19.76	65.01	0.76
7360-027A		SWC 1810.0m	0.50	129.63	23.87	54.66	78.53	36.02	14.45	60.58	0.44
7360-028A		SWC 1980.0m	0.51	89.42	24.93	25.55	50.48	15.70	22.78	56.45	0.98
7360-029A		SWC 2883.0m	0.76	69.39	31.75	21.86	53.60	6.16	9.28	77.25	1.45
7360-030A		SWC 2974.0m	0.61	71.12	26.82	8.15	34.97	19.19	16.70	49.17	3.29
7360-031A		SWC 2999.0m	1.01	64.41	24.28	9.67	33.95	17.16	12.94	52.71	2.51

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

TABLE 11

C_{15+} CHROMATOGRAPHY WEIGHTS (gms)

JOB 7360 / GEOCHEM SAMPLE NUMBER	LITHO	DEPTH/ IDENTITY	ROCK EXTRACTED	TOTAL EXTRACT	PRECIPITD. ASPHALTENES	NC5	SATURATES	AROMATICS	ELUTED NSO's	NON-ELUTED NSO's
WELL: 7316/5-1										
7360-001A		CORE 896.35m	21.9500	0.00482	0.00140	0.00342	0.00108	0.00087	0.00145	0.00002
7360-002A		CORE 899.35m	20.0100	0.00741	0.00201	0.00540	0.00251	0.00137	0.00149	0.00003
7360-003A		CORE 901.60m	20.0200	0.00447	0.00135	0.00312	0.00079	0.00145	0.00086	0.00002
7360-004A		CORE 903.35m	22.7700	0.00490	0.00122	0.00368	0.00122	0.00157	0.00086	0.00003
7360-005A		CORE 905.85m	29.7300	0.00414	0.00147	0.00267	0.00069	0.00091	0.00105	0.00002
7360-032A		SWC 944.0m	11.6200	0.00611	0.00133	0.00478	0.00187	0.00235	0.00054	0.00002
7360-033A		SWC 990.0m	10.9200	0.00645	0.00137	0.00508	0.00244	0.00207	0.00054	0.00003
7360-034A		SWC 1020.0m	14.0900	0.00604	0.00078	0.00526	0.00195	0.00149	0.00180	0.00002
7360-035A		SWC 1040.0m	8.4700	0.00665	0.00201	0.00464	0.00124	0.00230	0.00108	0.00002
7360-036A		SWC 1090.0m	13.1300	0.00830	0.00131	0.00699	0.00138	0.00360	0.00197	0.00004
7360-037A		SWC 1166.0m	13.2200	0.00638	0.00078	0.00560	0.00166	0.00284	0.00107	0.00003
7360-006A		CORE 1347.60m	27.1800	0.00963	0.00479	0.00484	0.00096	0.00215	0.00171	0.00002
7360-007A		CORE 1349.10m	19.5100	0.00768	0.00200	0.00568	0.00123	0.00249	0.00194	0.00002
7360-008A		CORE 1350.35m	23.6000	0.00671	0.00233	0.00438	0.00090	0.00202	0.00144	0.00002
7360-009A		CORE 1353.05m	19.7500	0.01143	0.00340	0.00803	0.00167	0.00252	0.00381	0.00003
7360-010A		CORE 1360.50m	20.4600	0.00692	0.00187	0.00505	0.00108	0.00170	0.00224	0.00003
7360-011A		CORE 1367.45m	25.0000	0.01100	0.00440	0.00660	0.00145	0.00256	0.00256	0.00003
7360-012A		CORE 1372.05m	27.3400	0.00818	0.00221	0.00597	0.00149	0.00137	0.00308	0.00003
7360-021A		SWC 1390.0m	11.9000	0.00856	0.00151	0.00705	0.00197	0.00302	0.00203	0.00003
7360-022A		SWC 1430.0m	13.3300	0.00545	0.00134	0.00411	0.00101	0.00215	0.00092	0.00003
7360-023A		SWC 1438.0m	10.6800	0.00698	0.00095	0.00603	0.00165	0.00267	0.00167	0.00004
7360-038A		SWC 1443.0m	9.9400	0.00654	0.00088	0.00566	0.00114	0.00335	0.00114	0.00003
7360-013A		CORE 1460.60m	27.3100	0.01744	0.00487	0.01257	0.00235	0.00548	0.00472	0.00002
7360-014A		CORE 1461.35m	33.2500	0.01093	0.00320	0.00773	0.00157	0.00208	0.00405	0.00003
7360-015A		CORE 1463.10m	37.8900	0.01759	0.00869	0.00890	0.00181	0.00476	0.00230	0.00003
7360-016A		CORE 1463.60m	35.9600	0.00823	0.00340	0.00483	0.00158	0.00024	0.00297	0.00004
7360-017A		CORE 1464.85m	40.5800	0.00826	0.00320	0.00506	0.00199	0.00027	0.00277	0.00003
7360-018A		CORE 1466.10m	36.8500	0.01068	0.00396	0.00672	0.00155	0.00236	0.00278	0.00003
7360-019		CORE 1467.85m	27.8600	0.01543	0.00527	0.01016	0.00316	0.00427	0.00270	0.00003
7360-020A		CORE 1471.50m	20.3000	0.01111	0.00266	0.00845	0.00187	0.00390	0.00266	0.00002
7360-024A		SWC 1478.0m	11.4700	0.00548	0.00049	0.00499	0.00135	0.00187	0.00175	0.00002
7360-025A		SWC 1556.0m	12.2000	0.00963	0.00318	0.00645	0.00194	0.00310	0.00138	0.00003

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

TABLE 11

C_{15+} CHROMATOGRAPHY WEIGHTS (grms)

JOB 7360 GEOCHEM SAMPLE NUMBER	LITHO	DEPTH/ IDENTITY	ROCK EXTRACTED	TOTAL EXTRACT	PRECIPTD. ASPHALTENES	NC5	SATURATES	AROMATICS	ELUTED NSO's	NON-ELUTED NSO's
7360-026A	SWC	1780.0m	9.2100	0.00843	0.00091	0.00752	0.00236	0.00312	0.00201	0.00003
7360-027A	SWC	1810.0m	9.5500	0.00619	0.00069	0.00550	0.00114	0.00261	0.00172	0.00003
7360-028A	SWC	1980.0m	12.7400	0.00581	0.00148	0.00433	0.00162	0.00166	0.00102	0.00003
7360-029A	SWC	2883.0m	15.1700	0.00800	0.00107	0.00693	0.00366	0.00252	0.00071	0.00004
7360-030A	SWC	2974.0m	12.4700	0.00541	0.00127	0.00414	0.00204	0.00062	0.00146	0.00002
7360-031A	SWC	2999.0m	13.6200	0.00886	0.00178	0.00708	0.00334	0.00133	0.00236	0.00005

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

TABLE 12

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

GEOCHEM SAMPLE NUMBER	001A	002A	003A	004A	005A	032A
DEPTH	896.35m	899.35m	901.6m	903.35m	905.85m	944m
SAMPLE TYPE						
nC15	2.31	7.71	18.63	10.16	26.35	26.22
nC16	2.37	5.48	13.78	7.36	16.92	13.93
nC17	1.75	2.44	6.95	5.81	6.93	7.14
nC18	2.54	2.76	7.94	6.68	8.04	8.41
nC19	1.13	1.21	3.97	5.73	2.91	5.36
nC20	1.64	1.84	4.74	5.73	1.80	6.43
nC21	2.82	2.78	3.64	5.21	2.77	4.05
nC22	4.91	4.85	3.75	5.00	3.61	3.53
nC23	7.00	6.48	3.97	5.30	3.61	3.41
nC24	8.47	8.03	4.08	5.68	3.74	2.90
nC25	10.33	9.87	3.97	5.64	3.47	3.05
nC26	11.51	10.39	3.42	5.64	3.88	3.09
nC27	10.84	10.10	4.52	5.94	3.61	3.69
nC28	9.42	9.32	3.20	5.04	3.05	2.94
nC29	7.67	8.50	4.30	4.52	3.05	3.61
nC30	5.64	5.06	2.21	3.45	1.66	1.27
nC31	4.29	1.94	2.87	3.23	1.94	0.75
nC32	2.60	0.76	1.43	1.81	0.97	0.13
nC33	1.58	0.34	1.43	1.16	0.97	0.10
nC34	0.85	0.11	0.88	0.65	0.55	0.00
nC35	0.34	0.03	0.33	0.26	0.14	0.00
Paraffin	20.80	18.62	8.51	11.76	10.60	13.20
Isoprenoid	0.74	1.01	1.42	1.28	1.60	1.18
Naphthene	78.46	80.37	90.07	86.96	87.80	85.62
CPI 1 Index	1.04	1.03	1.06	1.02	0.99	1.02
CPI 2 Index	1.04	1.06	1.37	1.09	1.12	1.29
CPI 3 Index	1.04	1.02	1.37	1.11	1.04	1.22
Prist/Phytane	1.06	1.32	1.27	1.09	1.48	1.37
Prist/nC17	0.61	0.53	0.60	0.54	0.62	0.48
Phytane/nC18	0.40	0.35	0.42	0.43	0.36	0.30

Job Number : 7360

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

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

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

CT - ditch cuttings CO - core SWC - sidewall core

TABLE 12

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

GEOCHEM SAMPLE NUMBER	033A	034A	035A	036A	037A	006A
DEPTH	990m	1020m	1040m	1090m	1166m	1347.6m
SAMPLE TYPE						
nC15	17.14	17.68	26.99	34.76	26.66	27.46
nC16	8.82	10.83	13.44	16.80	12.18	18.60
nC17	6.54	5.41	4.78	4.85	4.62	6.60
nC18	7.03	7.13	6.72	7.67	5.78	9.42
nC19	7.28	3.97	3.64	2.52	3.82	2.42
nC20	6.72	5.23	5.01	2.04	5.69	4.03
nC21	5.49	3.97	2.85	1.75	3.29	1.93
nC22	5.24	4.10	3.64	2.82	2.84	2.42
nC23	4.32	5.01	2.85	1.75	3.55	2.17
nC24	4.32	5.59	3.08	1.84	2.75	2.42
nC25	3.88	5.59	2.62	2.14	2.40	2.74
nC26	3.76	5.73	3.08	2.04	3.64	2.74
C27	3.33	6.22	3.64	3.40	4.53	3.14
nC28	3.02	5.10	3.19	2.52	4.18	2.90
nC29	3.08	5.23	3.53	4.56	4.35	3.22
nC30	2.34	1.85	2.39	1.65	3.47	2.50
nC31	2.40	1.04	2.85	3.11	2.93	2.25
nC32	1.91	0.14	2.16	1.17	1.07	1.21
nC33	1.66	0.10	1.71	1.55	1.33	0.97
nC34	1.11	0.08	1.25	0.58	0.80	0.56
nC35	0.62	0.00	0.57	0.49	0.11	0.32
Paraffin	13.48	8.16	8.02	14.70	8.68	11.90
Isoprenoid	1.64	0.57	0.65	1.59	0.63	1.93
Naphthene	84.88	91.27	91.33	83.71	90.69	86.17
CPI 1 Index	0.95	1.01	0.86	1.01	0.97	0.91
CPI 2 Index	1.05	1.20	1.12	1.72	1.08	1.14
CPI 3 Index	0.98	1.15	1.16	1.49	1.16	1.11
Prist/Phytane	1.09	1.38	1.19	1.47	1.45	1.73
Prist/nC17	0.46	0.46	0.45	0.56	0.56	0.63
Phytane/nC18	0.39	0.25	0.27	0.24	0.31	0.26

Job Number : 7360

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

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

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

CT - ditch cuttings CO - core SWC - sidewall core

TABLE 12

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

GEOCHEM SAMPLE NUMBER	007A	008A	009A	010A	011A	012A
DEPTH	1349.1m	1350.35m	1353.05m	1360.5m	1367.45m	1372.05m
SAMPLE TYPE						
nC15	34.75	34.38	34.31	26.01	23.87	35.17
nC16	22.11	20.27	21.87	16.33	19.55	23.05
nC17	6.14	5.77	9.19	6.24	12.26	7.03
nC18	8.75	7.37	10.16	6.59	13.10	9.31
nC19	1.81	2.00	2.85	2.15	5.74	1.62
nC20	3.88	0.96	1.30	1.45	3.81	4.55
nC21	2.17	2.00	1.63	2.20	1.16	1.08
nC22	2.08	2.24	2.20	2.00	1.29	3.03
nC23	0.63	1.52	0.98	3.39	0.90	0.65
nC24	1.17	1.84	1.38	1.95	1.16	1.19
nC25	1.44	2.24	1.38	4.34	1.87	1.30
nC26	1.35	2.00	1.46	2.50	1.42	1.19
nC27	1.90	3.04	1.87	5.29	2.90	1.84
nC28	2.08	2.88	1.71	2.25	1.68	1.52
nC29	1.90	3.37	1.87	7.19	3.55	2.16
nC30	3.25	2.56	1.71	2.40	1.94	1.52
nC31	1.99	2.48	1.63	4.09	2.13	1.52
nC32	0.90	1.12	0.89	1.45	0.52	0.87
nC33	0.90	1.04	0.81	1.35	0.77	0.76
nC34	0.54	0.64	0.49	0.35	0.26	0.43
nC35	0.27	0.24	0.33	0.50	0.13	0.22
Paraffin	12.45	12.63	12.61	16.54	15.82	10.51
Isoprenoid	2.25	1.75	1.96	2.07	2.27	1.84
Naphthene	85.30	85.62	85.43	81.39	81.91	87.65
CPI 1 Index	0.82	1.12	0.90	1.84	1.06	0.60
CPI 2 Index	0.94	1.25	1.12	2.36	1.78	1.30
CPI 3 Index	1.11	1.25	1.18	2.23	1.87	1.36
Prist/Phytane	1.78	1.95	1.61	1.61	1.57	1.63
Prist/nC17	0.60	0.60	0.44	0.66	0.49	0.68
Phytane/nC18	0.24	0.24	0.25	0.39	0.30	0.31

Job Number : 7360

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

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

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

CT - ditch cuttings CO - core SWC - sidewall core

TABLE 12

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

GEOCHEM SAMPLE NUMBER	021A	022A	023A	038A	013A	014A
DEPTH	1390m	1430m	1438m	1443m	1460.6m	1461.35m
SAMPLE TYPE						
nC15	12.87	13.01	20.58	20.83	6.48	4.08
nC16	10.96	5.61	11.03	14.27	5.82	3.92
nC17	6.10	3.20	5.11	6.44	2.16	2.64
nC18	9.49	5.71	6.41	6.67	3.30	3.12
nC19	4.34	3.20	2.96	3.11	1.62	1.92
nC20	4.85	3.60	2.96	3.34	2.46	2.64
nC21	4.04	4.40	3.08	2.53	3.42	3.44
nC22	3.53	4.70	3.20	3.91	5.46	5.28
nC23	4.49	5.81	4.62	3.34	7.20	7.37
nC24	3.31	3.80	2.83	3.45	8.34	8.89
nC25	5.44	7.01	5.67	3.34	9.42	10.17
nC26	3.68	4.70	3.27	3.34	9.60	10.17
nC27	6.25	8.41	6.16	3.57	9.24	9.29
nC28	3.38	4.10	2.90	3.57	7.68	8.89
nC29	7.21	8.31	8.50	3.57	6.96	6.08
nC30	3.01	3.70	3.08	2.65	4.56	4.32
nC31	4.34	5.91	4.31	3.22	3.24	3.20
nC32	1.03	1.80	1.05	2.99	1.38	2.16
nC33	1.25	1.90	1.42	2.99	0.96	1.36
nC34	0.37	0.60	0.55	1.84	0.54	0.72
nC35	0.07	0.50	0.31	1.04	0.18	0.32
Paraffin	6.08	9.99	11.25	8.42	8.85	11.51
Isoprenoid	0.61	0.56	0.94	2.39	0.58	0.76
Naphthene	93.31	89.45	87.81	89.19	90.57	87.73
CPI 1 Index	1.39	1.50	1.60	0.90	1.04	1.02
CPI 2 Index	1.92	1.95	2.22	1.07	1.10	1.01
CPI 3 Index	1.77	1.91	2.00	1.03	1.07	0.97
Prist/Phytane	1.11	0.81	1.45	2.54	1.50	1.41
Prist/nC17	0.61	0.53	0.77	1.18	0.83	0.73
Phytane/nC18	0.36	0.37	0.42	0.45	0.36	0.44

Job Number : 7360

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

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

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

CT - ditch cuttings CO - core SWC - sidewall core

TABLE 12

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

GEOCHEM SAMPLE NUMBER	015A	016A	017A	018A	019	020A
DEPTH	1463.1m	1463.6m	1464.85m	1466.1m	1467.85m	1471.5m
SAMPLE TYPE						
nC15	14.14	17.16	15.03	30.02	16.62	23.15
nC16	12.27	16.58	15.03	23.05	14.69	14.90
nC17	9.79	7.56	7.44	7.21	9.23	5.59
nC18	11.28	6.40	9.43	8.87	9.69	7.69
nC19	5.44	2.04	2.99	1.77	4.23	2.62
nC20	3.86	3.49	1.53	4.85	3.42	2.62
nC21	3.56	1.75	3.14	1.06	2.40	2.80
nC22	4.25	1.75	3.68	2.96	2.96	2.45
nC23	3.86	2.91	4.98	1.65	3.16	4.11
nC24	4.15	4.65	5.44	2.60	3.06	2.45
nC25	3.86	5.53	5.60	2.72	3.98	5.46
nC26	4.06	5.82	5.60	2.72	3.16	3.01
C27	4.35	5.82	5.67	2.84	5.10	5.59
nC28	3.66	5.24	4.14	2.01	2.80	2.36
nC29	3.56	4.65	3.83	2.01	6.63	5.85
nC30	1.98	2.91	2.38	1.30	3.31	3.23
nC31	2.67	2.62	1.84	1.06	3.67	3.98
nC32	1.29	1.45	1.00	0.47	0.46	0.79
nC33	1.09	0.87	0.61	0.35	1.07	0.96
nC34	0.59	0.58	0.46	0.35	0.26	0.22
nC35	0.30	0.22	0.15	0.12	0.10	0.17
Paraffin	7.88	9.64	7.38	9.47	9.09	14.92
Isoprenoid	1.68	1.65	1.61	2.33	1.62	2.26
Naphthene	90.44	88.71	91.01	88.20	89.29	82.82
CPI 1 Index	0.96	0.97	1.11	0.72	1.19	1.73
CPI 2 Index	1.18	1.10	1.13	1.16	1.78	2.06
CPI 3 Index	1.13	1.05	1.16	1.20	1.71	2.08
Prist/Phytane	1.20	1.90	1.70	1.59	1.12	1.30
Prist/nC17	0.66	0.73	0.80	0.75	0.57	1.15
Phytane/nC18	0.47	0.45	0.37	0.39	0.48	0.64

Job Number : 7360

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

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

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

CT - ditch cuttings CO - core SWC - sidewall core

TABLE 12

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

GEOCHEM SAMPLE NUMBER	024A	025A	026A	027A	028A	029A
DEPTH	1478m	1556m	1780m	1810m	1980m	2883m
SAMPLE TYPE						
nC15	24.40	23.86	19.90	24.24	16.22	10.64
nC16	12.47	14.20	12.11	13.78	13.03	9.75
nC17	6.50	6.70	7.32	7.23	5.55	9.26
nC18	6.97	8.62	8.70	7.28	8.19	8.71
nC19	4.09	4.31	4.43	3.59	4.84	8.55
nC20	3.49	4.58	5.50	4.47	5.44	7.67
nC21	3.55	3.81	3.96	3.92	4.73	6.93
nC22	3.35	3.58	3.40	3.87	3.79	6.08
nC23	3.75	4.08	3.92	4.33	4.73	5.65
nC24	2.75	2.69	3.44	3.09	4.07	4.42
nC25	3.82	4.81	4.87	3.92	4.89	4.49
nC26	2.95	2.66	4.23	3.04	3.46	3.82
nC27	4.42	4.50	5.78	5.11	5.22	3.40
nC28	2.68	2.12	4.35	2.58	3.19	2.85
nC29	4.76	4.47	5.30	4.15	4.67	2.47
nC30	2.61	1.81	1.98	2.21	2.42	1.75
nC31	3.49	2.00	0.59	2.49	3.13	1.66
nC32	1.54	0.58	0.12	0.32	0.93	0.95
nC33	1.41	0.46	0.11	0.14	0.99	0.57
nC34	0.67	0.12	0.00	0.12	0.44	0.29
nC35	0.34	0.04	0.00	0.13	0.06	0.07
Paraffin	11.54	15.19	8.62	12.79	11.61	32.11
Isoprenoid	1.15	1.84	1.13	1.64	2.08	2.18
Naphthene	87.31	82.97	90.25	85.57	86.31	65.71
CPI 1 Index	1.28	1.41	1.16	1.28	1.26	1.06
CPI 2 Index	1.59	1.95	1.37	1.68	1.58	1.11
CPI 3 Index	1.57	1.88	1.35	1.82	1.57	1.02
Prist/Phytane	1.28	1.40	1.65	1.82	3.04	1.94
Prist/nC17	0.57	0.79	0.71	0.86	1.59	0.40
Phytane/nC18	0.41	0.44	0.36	0.47	0.36	0.22

Job Number : 7360

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

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

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

CT - ditch cuttings CO - core SWC - sidewall core

TABLE 12

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

GEOCHEM SAMPLE NUMBER	030A	031A
DEPTH	2974m	2999m
SAMPLE TYPE		
nC15	19.33	19.90
nC16	14.19	16.18
nC17	7.37	5.36
nC18	10.19	11.51
nC19	6.10	4.24
nC20	6.46	5.97
nC21	4.87	3.37
nC22	3.68	2.85
nC23	3.73	3.03
nC24	3.55	3.11
nC25	3.59	2.94
nC26	3.05	3.89
nC27	3.64	4.93
nC28	2.87	4.15
nC29	2.77	4.07
nC30	1.59	2.25
nC31	1.55	1.30
nC32	0.64	0.35
nC33	0.50	0.34
nC34	0.27	0.27
nC35	0.06	0.00
Paraffin	12.60	4.42
Isoprenoid	1.25	0.72
Naphthene	86.15	94.86
CPI 1 Index	1.07	0.96
CPI 2 Index	1.23	1.12
CPI 3 Index	1.23	1.23
Prist/Phytane	2.21	1.10
Prist/nC17	0.40	0.52
Phytane/nC18	0.13	0.22

Job Number : 7360

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

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

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

CT - ditch cuttings CO - core SWC - sidewall core

TABLE 13
CARBON ISOTOPE COMPOSITIONS (‰,PDB)

JOB 7360 GEOCHEM SAMPLE NUMBER	DEPTH/ IDENTITY	TOTAL EXTRACT WHOLE OIL	SATURATES	AROMATICS	NSO	ASPHALTENES	KEROGEN	PYROLYSATE (S2)
WELL: 7316/5-1								
7360-002A	CORE 899.35m	-27.55	-27.92	-27.48	-27.95	-27.61		
7360-009A	CORE 1353.05m	-26.81	-27.67	-27.64	-27.16	-27.66		
7360-009A	CORE 1353.05m	-26.85						
7360-013A	CORE 1460.60m	-27.35	-27.74	-27.42	-26.64	-27.41		
7360-013A	CORE 1460.60m				-26.68			

HYDRO

Norsk Hydro a.s Bergen
E&P Research Centre

Document frontpage
Exploration and Production

Doc. type: [ ] Agreement [ ] Amendment [X] Report

Storage: [ ] 2 years [ ] 5 years [X] Permanent archives

Grading: [ ] Open [ ] Internal [X] Confidential [ ] Very conf. [ ] Strictly conf.

Doc. Id: R-060541

Copy no.

Distribution:

NH Harstad (12)
B. Dahl
E. Nysæther
E. Rygg/Arkiv
R. Garielsen/Ark.

Title:

PETROLEUM GEOCHEMISTRY
WELL 7316/5-1

BA-93-1096-1

13 ... 1993

REGISTRERT

O... DIREKTO...

Summary/Conclusion/Recommendation

Keywords:
Petroleum Geochemistry, Maturity, Source Rocks.

Pages-appendix	Amendment no.	Revision no.	Revision date
80 pp, 6 appendix			
Quadrant/Block-well	**Project no.**	**Licens no.**	**Date**
7316/5-1	32855	PL184	31.03.1993

Department	F-Geosection
Section	Petroleum Geochemistry
Authors	Lotte Aakvaag, Birger Dahl and Flaviu Lumperdean
Controlled	Eigill Nysæther
Accepted	Jan Augustson
Approved	

Postal address:	Office address:	Phone:	Telefax:	Telex:
N-5020 Bergen	Sandslivelen 90 5049 Sandsli	National: (05) 99 50 00 Internat.: +47 5 99 50 00	National: 05 99 66 00 Internat.: +47 5 99 66 00	40632 hydro n

HYDRO

TABLE OF CONTENTS

1. INTRODUCTION.

The objectives of this study were to obtain a maturity profile of the well using vitrinite reflectance and colours of spores and pollen. Further, the well was subjected to geochemical screening from the top to TD for source rock identification using RockEval pyrolysis and TOC measurements.

The screening have been carried out over the interval 620 - 4027 mRKB comprising analysis of 447 DC samples. Thirty seven of these samples have been selected for further petroleum geochemical analysis, Table 1.2. The sample

frequency has been 5 m intervals down to 2000 mRKB and 10 m intervals from 2000 mRKB to TD. Vitrinite reflectance analyses have been carried out with approximately 100m intervals from about 1500 mRKB, primarily on DC samples.

Vitrinite reflectance measurements were undertaken by Geolab UK, Cramlington, UK. Stable carbon isotope analysis have been carried out by GeolabNor, Trondheim. Spore and pollen colouration and visual kerogen determination have been carried out by Geochem Ltd, Chester, UK. Screening as well as further petroleum geochemical analysis including interpretation and compilation of this report were completed by Norsk Hydro Research Center, Bergen, Norway.

TABLE: 1.1

Petroleum Geochemistry Group
Research Centre Bergen

HYDRO

STRATIGRAPHY, WELL NOR:7316/5-1

Group/Fm.	TOP (m)	BOTTOM (m)	Simple Mean S1 (kg/t)	S2 (kg/t)	TOC (%)	HI	PI	Tmax	VRo	Weighted Mean S1 (kg/t)	S2 (kg/t)	TOC (%)	HI
NORDLAND A	473.0	945.0	0.0	0.3	0.3	79	0.0	438		0.0	0.3	0.3	77
SOTBAKKEN B3	945.0	1154.5	0.0	0.4	0.4	84	0.1	419		0.0	0.4	0.4	83
SOTBAKKEN B2	1154.5	1750.0	0.1	0.6	0.5	126	0.1	422		0.1	0.6	0.5	125
SOTBAKKEN B1	1750.0	2976.0	0.1	0.6	0.5	125	0.1	445		0.1	0.6	0.5	120
SOTBAKKEN A2	2976.0	3291.5	0.0	0.1	0.3	33	0.2	451		0.0	0.1	0.3	33
SOTBAKKEN A1	3291.5	3751.5	0.0	0.0	0.3	9	0.2	432		0.0	0.0	0.3	9
NYGRUNNEN A	3751.5	4027.0	0.0	0.0	0.4	10	0.2			0.0	0.0	0.4	10

LIST OF SAMPLES ANALYSED

Well	Type	St.Depth	En.Depth	TOC	R.E	T.E	TEx	REx	PyX	EXT	SAR	IAT	SAT	ARO	MsS	MsA	SMS	SMA	MRe	13f	13T	VIT	VIS
NOR/7316/5-1	DCOM	1495.00	1505.00		X			X	X	X	X	X	X	X	X					X			X
NOR/7316/5-1	DCOM	1600.00	1610.00		X			X	X	X	X	X	X							X			X
NOR/7316/5-1	DC	1662.00	1665.00		X			X		X	X	X	X							X			X
NOR/7316/5-1	DC	1752.00	1755.00		X			X	X	X	X	X	X	X						X			X
NOR/7316/5-1	DC	1807.00	1810.00		X			X		X	X	X	X		X					X			X
NOR/7316/5-1	DC	1862.00	1865.00		X			X		X	X	X	X							X			X
NOR/7316/5-1	DC	1907.00	1910.00		X			X	X	X	X	X	X	X						X			X
NOR/7316/5-1	DC	1937.00	1940.00		X			X		X	X	X	X							X			X
NOR/7316/5-1	DC	1972.00	1975.00		X			X		X	X	X	X		X					X			X
NOR/7316/5-1	DC	2050.00	2060.00		X			X	X	X	X	X	X	X						X			X
NOR/7316/5-1	DC	2110.00	2120.00		X			X		X	X	X	X							X			X
NOR/7316/5-1	DC	2170.00	2180.00		X			X		X	X	X	X							X			X
NOR/7316/5-1	DC	2210.00	2220.00		X			X	X	X	X	X	X	X	X					X			X
NOR/7316/5-1	DC	2240.00	2250.00		X			X		X	X	X	X	X						X			X
NOR/7316/5-1	DC	2310.00	2320.00		X			X	X	X	X	X	X	X						X			X
NOR/7316/5-1	DC	2350.00	2360.00		X			X	X	X	X	X	X	X						X			X
NOR/7316/5-1	DC	2400.00	2410.00		X			X	X	X	X	X	X	X	X					X			X
NOR/7316/5-1	DC	2440.00	2450.00		X			X	X	X	X	X	X	X						X			X
NOR/7316/5-1	DC	2490.00	2500.00		X			X	X	X	X	X	X	X	X					X			X
NOR/7316/5-1	DC	2540.00	2550.00		X			X	X	X	X	X	X	X						X			X
NOR/7316/5-1	DC	2590.00	2600.00		X			X	X	X	X	X	X	X	X					X			X
NOR/7316/5-1	DC	2640.00	2650.00		X			X	X	X	X	X	X	X						X			X
NOR/7316/5-1	DC	2680.00	2690.00		X			X	X	X	X	X	X	X	X					X			X
NOR/7316/5-1	DC	2740.00	2750.00		X			X	X	X	X	X	X	X						X			X
NOR/7316/5-1	DC	2800.00	2810.00		X			X	X	X	X	X	X	X	X					X			X
NOR/7316/5-1	DC	2830.00	2840.00																				X
NOR/7316/5-1	DC	2840.00	2850.00		X			X	X	X	X	X	X	X						X			X
NOR/7316/5-1	DC	2860.00	2870.00																				X
NOR/7316/5-1	DC	2890.00	2900.00		X			X	X	X	X	X	X	X	X					X			X
NOR/7316/5-1	DC	2910.00	2920.00																				X
NOR/7316/5-1	DC	2940.00	2950.00		X			X		X	X	X	X							X			X
NOR/7316/5-1	DC	2960.00	2970.00																				X
NOR/7316/5-1	DC	3020.00	3030.00		X			X	X	X	X	X	X							X			X
NOR/7316/5-1	DC	3030.00	3040.00		X			X		X	X	X	X	X						X			X
NOR/7316/5-1	DC	3050.00	3060.00																				X
NOR/7316/5-1	DC	3140.00	3150.00																				X
NOR/7316/5-1	DC	3190.00	3200.00																				X
Totals					30			30	20	30	30	30	30	20	10					30		40	37

VIT (Vitrinite Reflectance, 720m - 4027m) : Geolab UK, Cramlington

13f (Carbon Isotope 13C on fractions) : Geolab Nor, Trondheim

VIS (Visual Kerogen description) : Geochem Labs., Chester

TABLE 2.1

VITRINITE REFLECTANCE DETERMINATIONS

WELL 7316/5-1

DEPTH	R.o. AVERAGE	No. OF READINGS	U.V.	COMMENTS
720	0.52	10	Y/O-L.O.spores	90% Sst.
870	0.43	20	Y/O-L.O.spores	90% Sst. Glauc.
1145	0.37	12	G/Y algae; Y spores	Glauconite
1310	0.36	14	Y spores	Glauconite traces
1435	0.38	20	G/Y algae; Y spores	Glauconite
1540	0.39	20	Y spores	Glauconite
1640	0.37	20	Y+Y/O spores	-
1760	0.43	20	Y+Y/O spores	-
1860	0.42	13	Y+Y/O spores	Glauconite
1940	0.45	11	Y/O spores	Glauconite
2000	0.47	11	Y/O spores	20% marl
2100	0.46	7	Y/O spores	10% marl
2180	0.48	16	Y/O-M.O. spores	Glauconite
2240	0.50	10	Y/O-M.O. spores	-
2300	0.51	7	L.O. spores	-
2400	0.47	7	L+M.O. spores	-
2480	0.53	6	M.O. spores; Y/O carbonate	-
2580	0.60	5	M.O. spores	-
2680	0.83	6	M.-D.O. spores	-
2720	0.97	9	L.O. carbonate	-
2780	1.11	10	Y/O carbonate Glauconite Tr.	-
2840	1.27	7	Y/O carbonate	-
2900	1.35	15	D.O. spores & carbonate	-

TABLE 2.1.
continued

VITRINITE REFLECTANCE DETERMINATIONS

WELL 7316/5-1

DEPTH	R.o. AVERAGE	No. OF READINGS	U.V.	COMMENTS
2940	1.42	9	-	-
2970	1.50	9	-	-
3000	2.05	9	Y/O H/C spks. L.O. carbonate	50% ign. 30% shaly Lst.
3060	1.89	8	-	20% igneous, 1cement
3120	2.37	11	-	Tr. rock flour
3160	1.94	20	L.O. carbonate	-
3200	1.55	13	Y/O+L.O. carbonate	30% ign. 10% r flour
3310	1.62	6	L.O. carbonate	Phyt. degraded
3390	1.64	7	M.+D.O. carbonate	-
3510	1.65	6	M.O. carbonate	-
3570	3.11	7	-	Tr.igneous; 10% carbonate
3620	2.91	10	L.-D.O. carbonate	-
3710	2.28	13	D.O. carbonate	-
3770	2.05	10	M.+D.O. carbonate	-
3870	2.15	15	M.+D.O. carbonate	-
3990	2.86	20	D.O. carbonate	10% igneous
4027	3.35	14	M.+D.O. carbonate	-

TABLE 2.2 - COLOURATION OF SPORES AND POLLEN

WELL 7316/5-1

Sample	TAI scale	1-10 scale
1495-1505	1+ to 2- (?)	2 (?)
1600-1610	1+ to 2- (?)	2 (?)
1665	1+ to 2-/2-	2.5
1755	2- (?)	3 (?)
1810	2-	3
1865	2-	3
1910	2-	3
1940	2- to 2	3.5
1975	2- to 2	3.5
2060	2- to 2	3.5
2120	2 (?)	4 (?)
2180	2 (?)	4 (?)
2220	2 (?)	4 (?)
2250	2	4
2320	2/2 to 2+	4.8
2360	2 to 2+	5
2410	2 to 2+	5
2450	2 to 2+	5
2500	2+	5.5
2550	2+	5.5
2600	2+ to 3-	6

TABLE 2.2 - CONTINUED

Sample	TAI scale	1-10 scale
2650	2+ to 3-	6
2690	2+ to 3-/3-	6.2
2750	3-	6.3
2810	3- (?)	6.3 (?)
2840	3- to 3	6.6
2850	3- to 3 (?)	6.6 (?)
2870	3- to 3	6.6
2900	3- to 3	6.6
2920	3- to 3	6.6
2950	3- to 3	6.7
2970	3- to 3/3 (?)	6.9 (?)
3030	3 (?)	7 (?)
3040	3 to 3+	7.5
3060	3+ (?)	8 (?)
3150	3+ (?)	8 (?)
3200	3 (?)	7 (?)

TABLE: 3.1.1

Petroleum Geochemistry Group
Research Centre Bergen
HYDRO

ROCK EVAL SCREENING DATA, WELL NOR:7316/5-1

Depth (m)	Group/Fm.	Lithology	Type	Tmax DegC	S1 kg/t	S2 kg/t	TOC %	HI	PI	Analysing Company
620.00		BULK	DC		0.0	0.0	0.0	25		F-BERGEN
635.00		BULK	DC	438	0.0	0.1	0.2	87	0.07	F-BERGEN
650.00		BULK	DC		0.0	0.1	0.1	100	0.00	F-BERGEN
660.00		BULK	DC	442	0.0	0.3	0.3	104	0.10	F-BERGEN
665.00		BULK	DC	440	0.0	0.2	0.2	68	0.06	F-BERGEN
670.00		BULK	DC	444	0.0	0.1	0.1	50	0.00	F-BERGEN
675.00		BULK	DC		0.0	0.4	0.2	239	0.00	F-BERGEN
685.00		BULK	DC	443	0.0	0.4	0.4	122	0.02	F-BERGEN
695.00		BULK	DC		0.0	0.2	0.2	79	0.00	F-BERGEN
700.00		BULK	DC	449	0.0	0.3	0.4	72	0.07	F-BERGEN
705.00		BULK	DC	442	0.0	0.1	0.3	36	0.00	F-BERGEN
710.00		BULK	DC	447	0.0	0.1	0.2	26	0.00	F-BERGEN
715.00		BULK	DC		0.0	0.2	0.2	100	0.00	F-BERGEN
720.00		BULK	DC	444	0.0	0.4	0.3	143	0.02	F-BERGEN
725.00		BULK	DC	447	0.0	0.2	0.3	66	0.00	F-BERGEN
760.00		BULK	DC	440	0.0	0.2	0.3	66	0.00	F-BERGEN
765.00		BULK	DC	442	0.0	0.2	0.4	39	0.06	F-BERGEN
770.00		BULK	DC	447	0.0	0.1	0.2	53	0.00	F-BERGEN
775.00		BULK	DC		0.0	0.1	0.3	27	0.13	F-BERGEN
785.00		BULK	DC	454	0.0	0.1	0.2	43	0.00	F-BERGEN
790.00		BULK	DC		0.0	0.0	0.1	38		F-BERGEN
795.00		BULK	DC		0.0	0.1	0.2	61	0.00	F-BERGEN
800.00		BULK	DC	410	0.0	0.1	0.1	167	0.00	F-BERGEN
805.00		BULK	DC		0.0	0.0	0.1	33		F-BERGEN
810.00		BULK	DC		0.0	0.2	0.1	155	0.00	F-BERGEN
815.00		BULK	DC	440	0.0	0.5	0.2	294	0.00	F-BERGEN
820.00		BULK	DC	439	0.0	0.1	0.2	53	0.00	F-BERGEN
830.00		BULK	DC	434	0.0	0.2	0.3	60	0.00	F-BERGEN
835.00		BULK	DC		0.0	0.2	0.3	69	0.00	F-BERGEN
840.00		BULK	DC	433	0.0	0.2	0.5	40	0.00	F-BERGEN
850.00		BULK	DC	428	0.0	0.2	0.4	41	0.00	F-BERGEN
855.00		BULK	DC	434	0.0	0.3	0.5	49	0.00	F-BERGEN
860.00		BULK	DC	435	0.0	0.2	0.5	42	0.00	F-BERGEN

ROCK EVAL SCREENING DATA, WELL NOR:7316/5-1 (cont'd)

Depth (m)	Group/Fm.	Lithology	Type	Tmax DegC	S1 kg/t	S2 kg/t	TOC %	HI	PI	Analysing Company
865.00		BULK	DC	432	0.0	0.2	0.4	39	0.00	F-BERGEN
870.00		BULK	DC	449	0.0	0.4	0.6	59	0.00	F-BERGEN
875.00		BULK	DC		0.0	0.6	0.6	105	0.00	F-BERGEN
880.00		BULK	DC		0.2	0.7	0.5	159	0.21	F-BERGEN
885.00		BULK	DC	427	0.1	0.5	0.9	59	0.08	F-BERGEN
895.00		BULK	DC	434	0.0	0.4	0.9	51	0.02	F-BERGEN
910.00		BULK	DC	435	0.2	1.2	0.9	125	0.11	F-BERGEN
915.00		BULK	DC	435	0.1	0.7	0.7	93	0.09	F-BERGEN
920.00		BULK	DC	438	0.0	0.4	0.5	78	0.07	F-BERGEN
925.00		BULK	DC	443	0.0	0.3	0.4	73	0.00	F-BERGEN
930.00		BULK	DC	434	0.0	0.3	0.4	71	0.03	F-BERGEN
935.00		BULK	DC	438	0.0	0.3	0.3	71	0.04	F-BERGEN
940.00		BULK	DC	437	0.0	0.2	0.4	58	0.00	F-BERGEN
945.00	SOTBAKKEN B3	BULK	DC	440	0.0	0.2	0.3	66	0.05	F-BERGEN
950.00	SOTBAKKEN B3	BULK	DC	435	0.0	0.3	0.4	82	0.03	F-BERGEN
955.00	SOTBAKKEN B3	BULK	DC	423	0.0	0.3	0.5	65	0.09	F-BERGEN
960.00	SOTBAKKEN B3	BULK	DC	418	0.1	0.3	0.4	79	0.14	F-BERGEN
965.00	SOTBAKKEN B3	BULK	DC	420	0.0	0.3	0.3	71	0.11	F-BERGEN
970.00	SOTBAKKEN B3	BULK	DC	413	0.1	0.3	0.4	79	0.14	F-BERGEN
975.00	SOTBAKKEN B3	BULK	DC	418	0.1	0.3	0.4	89	0.13	F-BERGEN
980.00	SOTBAKKEN B3	BULK	DC	424	0.1	0.3	0.4	89	0.13	F-BERGEN
985.00	SOTBAKKEN B3	BULK	DC	418	0.0	0.3	0.4	87	0.08	F-BERGEN
990.00	SOTBAKKEN B3	BULK	DC	419	0.0	0.3	0.3	76	0.11	F-BERGEN
995.00	SOTBAKKEN B3	BULK	DC	416	0.0	0.2	0.3	66	0.05	F-BERGEN
1000.00	SOTBAKKEN B3	BULK	DC	419	0.1	0.4	0.4	103	0.12	F-BERGEN
1005.00	SOTBAKKEN B3	BULK	DC	440	0.1	0.5	0.4	147	0.09	F-BERGEN
1010.00	SOTBAKKEN B3	BULK	DC	422	0.0	0.4	0.3	112	0.07	F-BERGEN
1015.00	SOTBAKKEN B3	BULK	DC	418	0.0	0.3	0.3	91	0.09	F-BERGEN
1020.00	SOTBAKKEN B3	BULK	DC	424	0.0	0.3	0.4	85	0.08	F-BERGEN
1025.00	SOTBAKKEN B3	BULK	DC	417	0.0	0.4	0.4	89	0.09	F-BERGEN
1030.00	SOTBAKKEN B3	BULK	DC	416	0.0	0.4	0.5	81	0.07	F-BERGEN
1040.00	SOTBAKKEN B3	BULK	DC	406	0.1	0.2	0.4	61	0.18	F-BERGEN
1045.00	SOTBAKKEN B3	BULK	DC	423	0.0	0.3	0.3	91	0.09	F-BERGEN

TABLE: 3.1.1

Petroleum Geochemistry Group
Research Centre Bergen

HYDRO

ROCK EVAL SCREENING DATA, WELL NOR:7316/5-1 (cont'd)

Depth (m)	Group/Fm.	Lithology	Type	Tmax DegC	S1 kg/t	S2 kg/t	TOC %	HI	PI	Analysing Company
1050.00	SOTBAKKEN B3	BULK	DC	419	0.0	0.3	0.4	68	0.11	F-BERGEN
1055.00	SOTBAKKEN B3	BULK	DC	434	0.1	0.5	0.4	127	0.09	F-BERGEN
1060.00	SOTBAKKEN B3	BULK	DC		0.1	0.6	0.4	138	0.08	F-BERGEN
1065.00	SOTBAKKEN B3	BULK	DC	412	0.0	0.3	0.4	75	0.10	F-BERGEN
1070.00	SOTBAKKEN B3	BULK	DC		0.0	0.3	0.4	85	0.08	F-BERGEN
1075.00	SOTBAKKEN B3	BULK	DC	419	0.0	0.3	0.4	78	0.09	F-BERGEN
1080.00	SOTBAKKEN B3	BULK	DC	418	0.0	0.3	0.3	74	0.11	F-BERGEN
1085.00	SOTBAKKEN B3	BULK	DC	416	0.1	0.4	0.5	90	0.10	F-BERGEN
1090.00	SOTBAKKEN B3	BULK	DC		0.1	0.4	0.5	85	0.19	F-BERGEN
1095.00	SOTBAKKEN B3	BULK	DC	421	0.0	0.3	0.4	79	0.08	F-BERGEN
1102.00	SOTBAKKEN B3	BULK	DC	410	0.1	0.4	0.5	80	0.11	F-BERGEN
1107.00	SOTBAKKEN B3	BULK	DC	411	0.0	0.4	0.5	76	0.07	F-BERGEN
1115.00	SOTBAKKEN B3	BULK	DC	414	0.1	0.4	0.5	80	0.11	F-BERGEN
1120.00	SOTBAKKEN B3	BULK	DC	416	0.0	0.4	0.5	85	0.07	F-BERGEN
1125.00	SOTBAKKEN B3	BULK	DC	415	0.1	0.2	0.4	61	0.18	F-BERGEN
1135.00	SOTBAKKEN B3	BULK	DC	417	0.1	0.3	0.5	58	0.15	F-BERGEN
1140.00	SOTBAKKEN B3	BULK	DC	418	0.0	0.3	0.5	57	0.09	F-BERGEN
1145.00	SOTBAKKEN B3	BULK	DC	430	0.1	0.7	0.6	109	0.07	F-BERGEN
1150.00	SOTBAKKEN B3	BULK	DC	417	0.1	0.6	0.7	88	0.13	F-BERGEN
1155.00	SOTBAKKEN B2	BULK	DC	429	0.0	0.4	0.6	63	0.07	F-BERGEN
1162.00	SOTBAKKEN B2	BULK	DC	426	0.0	0.3	0.5	61	0.03	F-BERGEN
1170.00	SOTBAKKEN B2	BULK	DC	421	0.0	0.3	0.5	57	0.04	F-BERGEN
1175.00	SOTBAKKEN B2	BULK	DC	417	0.0	0.3	0.4	71	0.04	F-BERGEN
1180.00	SOTBAKKEN B2	BULK	DC	415	0.0	0.2	0.4	52	0.12	F-BERGEN
1185.00	SOTBAKKEN B2	BULK	DC	420	0.4	0.3	0.5	66	0.58	F-BERGEN
1190.00	SOTBAKKEN B2	BULK	DC	408	0.1	0.4	0.5	74	0.16	F-BERGEN
1195.00	SOTBAKKEN B2	BULK	DC	424	0.0	0.4	0.5	80	0.07	F-BERGEN
1200.00	SOTBAKKEN B2	BULK	DC	424	0.0	0.3	0.4	66	0.11	F-BERGEN
1205.00	SOTBAKKEN B2	BULK	DC	482	0.0	0.7	0.5	140	0.04	F-BERGEN
1210.00	SOTBAKKEN B2	BULK	DC	430	0.1	0.6	0.5	106	0.08	F-BERGEN
1215.00	SOTBAKKEN B2	BULK	DC	417	0.1	0.4	0.5	88	0.12	F-BERGEN
1220.00	SOTBAKKEN B2	BULK	DC	422	0.1	0.4	0.6	82	0.10	F-BERGEN
1225.00	SOTBAKKEN B2	BULK	DC	419	0.0	0.4	0.5	73	0.07	F-BERGEN

ROCK EVAL SCREENING DATA, WELL NOR:7316/5-1 (cont'd)

Depth (m)	Group/Fm.	Lithology	Type	Tmax DegC	S1 kg/t	S2 kg/t	TOC %	HI	PI	Analysing Company
1230.00	SOTBAKKEN B2	BULK	DC	414	0.1	0.6	0.6	107	0.11	F-BERGEN
1235.00	SOTBAKKEN B2	BULK	DC	419	0.1	0.4	0.5	74	0.11	F-BERGEN
1240.00	SOTBAKKEN B2	BULK	DC	415	0.1	0.5	0.5	89	0.13	F-BERGEN
1245.00	SOTBAKKEN B2	BULK	DC	414	0.1	0.4	0.5	92	0.10	F-BERGEN
1250.00	SOTBAKKEN B2	BULK	DC	410	0.1	0.4	0.4	91	0.15	F-BERGEN
1255.00	SOTBAKKEN B2	BULK	DC	407	0.1	0.4	0.4	100	0.15	F-BERGEN
1260.00	SOTBAKKEN B2	BULK	DC	410	0.3	0.9	0.5	167	0.23	F-BERGEN
1265.00	SOTBAKKEN B2	BULK	DC		0.1	0.8	0.5	167	0.10	F-BERGEN
1270.00	SOTBAKKEN B2	BULK	DC	408	0.1	0.7	0.5	151	0.11	F-BERGEN
1275.00	SOTBAKKEN B2	BULK	DC	419	0.1	0.5	0.4	109	0.13	F-BERGEN
1280.00	SOTBAKKEN B2	BULK	DC	406	0.1	0.4	0.4	102	0.20	F-BERGEN
1285.00	SOTBAKKEN B2	BULK	DC	411	0.1	0.5	0.4	118	0.17	F-BERGEN
1290.00	SOTBAKKEN B2	BULK	DC	417	0.1	0.5	0.5	94	0.13	F-BERGEN
1295.00	SOTBAKKEN B2	BULK	DC	414	0.1	0.5	0.5	113	0.15	F-BERGEN
1300.00	SOTBAKKEN B2	BULK	DC	415	0.1	0.6	0.5	109	0.16	F-BERGEN
1305.00	SOTBAKKEN B2	BULK	DC	416	0.1	0.5	0.5	108	0.14	F-BERGEN
1310.00	SOTBAKKEN B2	BULK	DC		0.1	0.9	0.6	162	0.09	F-BERGEN
1315.00	SOTBAKKEN B2	BULK	DC		0.1	0.7	0.5	134	0.09	F-BERGEN
1320.00	SOTBAKKEN B2	BULK	DC	416	0.1	0.7	0.6	129	0.12	F-BERGEN
1325.00	SOTBAKKEN B2	BULK	DC	419	0.1	0.5	0.6	88	0.12	F-BERGEN
1330.00	SOTBAKKEN B2	BULK	DC	423	0.1	0.7	0.6	122	0.11	F-BERGEN
1335.00	SOTBAKKEN B2	BULK	DC	419	0.1	0.7	0.6	123	0.14	F-BERGEN
1340.00	SOTBAKKEN B2	BULK	DC	419	0.2	0.8	0.6	129	0.19	F-BERGEN
1345.00	SOTBAKKEN B2	BULK	DC	417	0.1	0.5	0.4	116	0.09	F-BERGEN
1375.00	SOTBAKKEN B2	BULK	DC	420	0.1	0.4	0.4	105	0.14	F-BERGEN
1380.00	SOTBAKKEN B2	BULK	DC	420	0.1	0.4	0.4	93	0.14	F-BERGEN
1385.00	SOTBAKKEN B2	BULK	DC	410	0.2	0.8	0.5	175	0.15	F-BERGEN
1390.00	SOTBAKKEN B2	BULK	DC	425	0.1	0.9	0.5	186	0.12	F-BERGEN
1395.00	SOTBAKKEN B2	BULK	DC	415	0.1	1.0	0.5	213	0.10	F-BERGEN
1400.00	SOTBAKKEN B2	BULK	DC	416	0.1	0.8	0.5	174	0.10	F-BERGEN
1405.00	SOTBAKKEN B2	BULK	DC	419	0.1	0.9	0.5	160	0.11	F-BERGEN
1410.00	SOTBAKKEN B2	BULK	DC	424	0.1	0.7	0.5	130	0.14	F-BERGEN
1415.00	SOTBAKKEN B2	BULK	DC	421	0.1	0.7	0.5	128	0.12	F-BERGEN

ROCK EVAL SCREENING DATA, WELL NOR:7316/5-1 (cont'd)

Depth (m)	Group/Fm.	Lithology	Type	Tmax DegC	S1 kg/t	S2 kg/t	TOC %	HI	PI	Analysing Company
1420.00	SOTBAKKEN B2	BULK	DC	421	0.1	0.8	0.5	139	0.13	F-BERGEN
1430.00	SOTBAKKEN B2	BULK	DC	418	0.0	1.0	0.6	178	0.03	F-BERGEN
1435.00	SOTBAKKEN B2	BULK	DC	420	0.1	1.0	0.6	173	0.05	F-BERGEN
1440.00	SOTBAKKEN B2	BULK	DC	421	0.1	1.0	0.6	163	0.09	F-BERGEN
1445.00	SOTBAKKEN B2	BULK	DC	423	0.1	0.7	0.5	145	0.06	F-BERGEN
1450.00	SOTBAKKEN B2	BULK	DC	423	0.1	0.7	0.6	124	0.07	F-BERGEN
1475.00	SOTBAKKEN B2	BULK	DC	421	0.1	0.6	0.6	118	0.07	F-BERGEN
1480.00	SOTBAKKEN B2	BULK	DC	422	0.1	0.6	0.6	109	0.08	F-BERGEN
1485.00	SOTBAKKEN B2	BULK	DC	422	0.0	0.6	0.5	121	0.05	F-BERGEN
1490.00	SOTBAKKEN B2	BULK	DC	421	0.1	0.5	0.4	126	0.08	F-BERGEN
1495.00	SOTBAKKEN B2	BULK	DC	422	0.0	0.6	0.4	131	0.05	F-BERGEN
1500.00	SOTBAKKEN B2	BULK	DC	420	0.0	0.8	0.4	180	0.04	F-BERGEN
1505.00	SOTBAKKEN B2	BULK	DC	420	0.0	0.6	0.4	154	0.05	F-BERGEN
1505.00	SOTBAKKEN B2	BULK	DCOM	421	0.0	0.5	0.4	116	0.06	F-BERGEN
1510.00	SOTBAKKEN B2	BULK	DC	424	0.0	0.5	0.4	132	0.02	F-BERGEN
1515.00	SOTBAKKEN B2	BULK	DC	425	0.0	0.5	0.4	117	0.06	F-BERGEN
1520.00	SOTBAKKEN B2	BULK	DC	424	0.0	0.5	0.4	123	0.06	F-BERGEN
1525.00	SOTBAKKEN B2	BULK	DC	424	0.0	0.4	0.4	119	0.06	F-BERGEN
1530.00	SOTBAKKEN B2	BULK	DC	424	0.2	0.4	0.4	95	0.27	F-BERGEN
1535.00	SOTBAKKEN B2	BULK	DC	424	0.0	0.4	0.4	98	0.02	F-BERGEN
1540.00	SOTBAKKEN B2	BULK	DC	426	0.0	1.0	0.5	217	0.03	F-BERGEN
1545.00	SOTBAKKEN B2	BULK	DC	423	0.0	1.0	0.5	200	0.03	F-BERGEN
1550.00	SOTBAKKEN B2	BULK	DC	427	0.1	1.1	0.5	209	0.04	F-BERGEN
1555.00	SOTBAKKEN B2	BULK	DC	421	0.1	0.9	0.5	182	0.05	F-BERGEN
1560.00	SOTBAKKEN B2	BULK	DC	423	0.1	0.8	0.5	163	0.10	F-BERGEN
1565.00	SOTBAKKEN B2	BULK	DC	428	0.1	0.5	0.5	100	0.09	F-BERGEN
1570.00	SOTBAKKEN B2	BULK	DC	419	0.0	0.5	0.5	113	0.05	F-BERGEN
1575.00	SOTBAKKEN B2	BULK	DC	424	0.0	0.6	0.5	136	0.04	F-BERGEN
1580.00	SOTBAKKEN B2	BULK	DC	425	0.0	0.5	0.5	107	0.06	F-BERGEN
1585.00	SOTBAKKEN B2	BULK	DC	428	0.0	0.5	0.4	107	0.06	F-BERGEN
1590.00	SOTBAKKEN B2	BULK	DC	425	0.0	0.6	0.5	126	0.06	F-BERGEN
1595.00	SOTBAKKEN B2	BULK	DC	425	0.0	0.5	0.4	111	0.06	F-BERGEN
1600.00	SOTBAKKEN B2	BULK	DC	422	0.0	0.8	0.5	163	0.04	F-BERGEN

TABLE: 3.1.1

Petroleum Geochemistry Group
Research Centre Bergen

HYDRO

ROCK EVAL SCREENING DATA, WELL NOR:7316/5-1 (cont'd)

Depth (m)	Group/Fm.	Lithology	Type	Tmax DegC	S1 kg/t	S2 kg/t	TOC %	HI	PI	Analysing Company
1605.00	SOTBAKKEN B2	BULK	DC	424	0.0	0.7	0.5	145	0.04	F-BERGEN
1610.00	SOTBAKKEN B2	BULK	DC	427	0.0	0.6	0.5	126	0.05	F-BERGEN
1610.00	SOTBAKKEN B2	BULK	DCOM	424	0.0	0.4	0.5	93	0.02	F-BERGEN
1615.00	SOTBAKKEN B2	BULK	DC	430	0.1	0.5	0.5	106	0.09	F-BERGEN
1620.00	SOTBAKKEN B2	BULK	DC	429	0.0	0.6	0.5	112	0.02	F-BERGEN
1625.00	SOTBAKKEN B2	BULK	DC	419	0.0	0.6	0.5	125	0.04	F-BERGEN
1630.00	SOTBAKKEN B2	BULK	DC	429	0.0	0.7	0.5	125	0.04	F-BERGEN
1635.00	SOTBAKKEN B2	BULK	DC	419	0.0	0.6	0.5	119	0.04	F-BERGEN
1640.00	SOTBAKKEN B2	BULK	DC	429	0.0	0.6	0.6	111	0.02	F-BERGEN
1645.00	SOTBAKKEN B2	BULK	DC	427	0.0	0.5	0.6	83	0.02	F-BERGEN
1650.00	SOTBAKKEN B2	BULK	DC	428	0.1	1.1	0.6	189	0.07	F-BERGEN
1655.00	SOTBAKKEN B2	BULK	DC	427	0.1	1.2	0.6	200	0.04	F-BERGEN
1660.00	SOTBAKKEN B2	BULK	DC	419	0.1	1.2	0.6	211	0.06	F-BERGEN
1665.00	SOTBAKKEN B2	BULK	DC	428	0.1	1.1	0.6	193	0.04	F-BERGEN
1670.00	SOTBAKKEN B2	BULK	DC	430	0.0	1.0	0.6	160	0.03	F-BERGEN
1675.00	SOTBAKKEN B2	BULK	DC	432	0.0	1.2	0.6	192	0.02	F-BERGEN
1680.00	SOTBAKKEN B2	BULK	DC	431	0.0	0.9	0.6	132	0.03	F-BERGEN
1685.00	SOTBAKKEN B2	BULK	DC	433	0.1	1.0	0.7	152	0.10	F-BERGEN
1690.00	SOTBAKKEN B2	BULK	DC	431	0.1	0.9	0.6	145	0.12	F-BERGEN
1695.00	SOTBAKKEN B2	BULK	DC	427	0.0	0.6	0.6	111	0.05	F-BERGEN
1700.00	SOTBAKKEN B2	BULK	DC	432	0.0	0.6	0.5	106	0.02	F-BERGEN
1705.00	SOTBAKKEN B2	BULK	DC	431	0.0	0.6	0.5	115	0.02	F-BERGEN
1710.00	SOTBAKKEN B2	BULK	DC	432	0.0	0.6	0.5	124	0.02	F-BERGEN
1715.00	SOTBAKKEN B2	BULK	DC	424	0.0	0.7	0.5	140	0.01	F-BERGEN
1720.00	SOTBAKKEN B2	BULK	DC	423	0.0	0.6	0.5	133	0.02	F-BERGEN
1725.00	SOTBAKKEN B2	BULK	DC	431	0.0	0.6	0.5	134	0.00	F-BERGEN
1730.00	SOTBAKKEN B2	BULK	DC	432	0.0	0.6	0.5	137	0.00	F-BERGEN
1735.00	SOTBAKKEN B2	BULK	DC	423	0.0	0.7	0.5	144	0.01	F-BERGEN
1740.00	SOTBAKKEN B2	BULK	DC	432	0.0	0.7	0.5	139	0.00	F-BERGEN
1745.00	SOTBAKKEN B2	BULK	DC	431	0.0	0.6	0.5	118	0.02	F-BERGEN
1750.00	SOTBAKKEN B2	BULK	DC	434	0.0	0.8	0.5	157	0.00	F-BERGEN
1755.00	SOTBAKKEN B1	BULK	DC	431	0.0	0.8	0.5	150	0.01	F-BERGEN
1760.00	SOTBAKKEN B1	BULK	DC	431	0.0	0.7	0.5	144	0.01	F-BERGEN

TABLE: 3.1.1

Petroleum Geochemistry Group
Research Centre Bergen

HYDRO

ROCK EVAL SCREENING DATA, WELL NOR:7316/5-1 (cont'd)

Depth (m)	Group/Fm.	Lithology	Type	Tmax DegC	S1 kg/t	S2 kg/t	TOC %	HI	PI	Analysing Company
1765.00	SOTBAKKEN B1	BULK	DC	432	0.0	0.6	0.5	120	0.00	F-BERGEN
1770.00	SOTBAKKEN B1	BULK	DC	430	0.3	0.7	0.5	130	0.27	F-BERGEN
1775.00	SOTBAKKEN B1	BULK	DC	430	0.1	0.7	0.5	137	0.07	F-BERGEN
1780.00	SOTBAKKEN B1	BULK	DC	431	0.0	0.5	0.5	102	0.00	F-BERGEN
1785.00	SOTBAKKEN B1	BULK	DC	431	0.0	0.7	0.5	135	0.01	F-BERGEN
1790.00	SOTBAKKEN B1	BULK	DC	432	0.0	0.6	0.5	115	0.02	F-BERGEN
1795.00	SOTBAKKEN B1	BULK	DC	432	0.0	0.6	0.5	119	0.03	F-BERGEN
1805.00	SOTBAKKEN B1	BULK	DC	434	0.0	0.7	0.5	138	0.01	F-BERGEN
1810.00	SOTBAKKEN B1	BULK	DC	433	0.0	1.0	0.5	198	0.01	F-BERGEN
1815.00	SOTBAKKEN B1	BULK	DC	434	0.1	1.0	0.5	185	0.10	F-BERGEN
1820.00	SOTBAKKEN B1	BULK	DC	432	0.0	0.9	0.5	166	0.01	F-BERGEN
1825.00	SOTBAKKEN B1	BULK	DC	432	0.0	0.8	0.5	154	0.01	F-BERGEN
1830.00	SOTBAKKEN B1	BULK	DC	425	0.0	0.8	0.5	168	0.01	F-BERGEN
1835.00	SOTBAKKEN B1	BULK	DC	434	0.0	0.7	0.5	145	0.01	F-BERGEN
1840.00	SOTBAKKEN B1	BULK	DC	432	0.0	0.7	0.5	143	0.01	F-BERGEN
1845.00	SOTBAKKEN B1	BULK	DC	431	0.0	0.6	0.5	133	0.02	F-BERGEN
1850.00	SOTBAKKEN B1	BULK	DC	432	0.0	0.6	0.4	142	0.02	F-BERGEN
1855.00	SOTBAKKEN B1	BULK	DC	434	0.0	0.9	0.5	170	0.01	F-BERGEN
1860.00	SOTBAKKEN B1	BULK	DC	445	0.0	0.7	0.4	166	0.01	F-BERGEN
1865.00	SOTBAKKEN B1	BULK	DC	434	0.0	0.9	0.5	180	0.01	F-BERGEN
1870.00	SOTBAKKEN B1	BULK	DC	433	0.0	0.8	0.5	160	0.01	F-BERGEN
1875.00	SOTBAKKEN B1	BULK	DC	424	0.0	0.6	0.5	123	0.02	F-BERGEN
1880.00	SOTBAKKEN B1	BULK	DC	434	0.0	0.8	0.5	150	0.00	F-BERGEN
1885.00	SOTBAKKEN B1	BULK	DC	432	0.0	0.7	0.5	135	0.01	F-BERGEN
1890.00	SOTBAKKEN B1	BULK	DC	433	0.0	0.7	0.5	129	0.04	F-BERGEN
1895.00	SOTBAKKEN B1	BULK	DC	434	0.0	0.6	0.5	131	0.02	F-BERGEN
1900.00	SOTBAKKEN B1	BULK	DC	433	0.0	0.7	0.5	143	0.01	F-BERGEN
1910.00	SOTBAKKEN B1	BULK	DC	434	0.0	1.1	0.5	209	0.03	F-BERGEN
1915.00	SOTBAKKEN B1	BULK	DC	434	0.0	1.1	0.6	209	0.01	F-BERGEN
1920.00	SOTBAKKEN B1	BULK	DC	432	0.0	0.9	0.5	169	0.01	F-BERGEN
1925.00	SOTBAKKEN B1	BULK	DC	434	0.0	0.7	0.5	137	0.01	F-BERGEN
1930.00	SOTBAKKEN B1	BULK	DC	434	0.0	0.8	0.5	156	0.01	F-BERGEN
1935.00	SOTBAKKEN B1	BULK	DC	433	0.0	0.9	0.5	186	0.01	F-BERGEN

TABLE: 3.1.1

Petroleum Geochemistry Group
Research Centre Bergen
HYDRO

ROCK EVAL SCREENING DATA, WELL NOR:7316/5-1 (cont'd)

Depth (m)	Group/Fm.	Lithology	Type	Tmax DegC	S1 kg/t	S2 kg/t	TOC %	HI	PI	Analysing Company
1940.00	SOTBAKKEN B1	BULK	DC	432	0.0	0.9	0.5	190	0.01	F-BERGEN
1945.00	SOTBAKKEN B1	BULK	DC	433	0.0	0.7	0.5	157	0.01	F-BERGEN
1950.00	SOTBAKKEN B1	BULK	DC	430	0.0	0.6	0.5	113	0.02	F-BERGEN
1955.00	SOTBAKKEN B1	BULK	DC	429	0.0	0.5	0.5	92	0.00	F-BERGEN
1960.00	SOTBAKKEN B1	BULK	DC	431	0.0	0.6	0.5	108	0.02	F-BERGEN
1965.00	SOTBAKKEN B1	BULK	DC	437	0.0	1.1	0.6	200	0.03	F-BERGEN
1970.00	SOTBAKKEN B1	BULK	DC	436	0.1	1.1	0.6	195	0.08	F-BERGEN
1975.00	SOTBAKKEN B1	BULK	DC	439	0.0	1.4	0.6	244	0.01	F-BERGEN
1980.00	SOTBAKKEN B1	BULK	DC	435	0.0	1.1	0.6	204	0.01	F-BERGEN
1985.00	SOTBAKKEN B1	BULK	DC	436	0.0	0.8	0.5	152	0.02	F-BERGEN
1990.00	SOTBAKKEN B1	BULK	DC	435	0.1	0.7	0.5	145	0.13	F-BERGEN
1995.00	SOTBAKKEN B1	BULK	DC	435	0.0	0.7	0.5	140	0.01	F-BERGEN
2000.00	SOTBAKKEN B1	BULK	DC	433	0.0	0.7	0.5	136	0.01	F-BERGEN
2010.00	SOTBAKKEN B1	BULK	DC	432	0.0	0.6	0.5	126	0.02	F-BERGEN
2020.00	SOTBAKKEN B1	BULK	DC	430	0.0	1.0	0.4	228	0.01	F-BERGEN
2030.00	SOTBAKKEN B1	BULK	DC	432	0.0	0.7	0.4	174	0.01	F-BERGEN
2040.00	SOTBAKKEN B1	BULK	DC	433	0.0	0.6	0.4	154	0.02	F-BERGEN
2050.00	SOTBAKKEN B1	BULK	DC	433	0.0	0.8	0.5	168	0.01	F-BERGEN
2060.00	SOTBAKKEN B1	BULK	DC	435	0.0	0.7	0.5	153	0.03	F-BERGEN
2070.00	SOTBAKKEN B1	BULK	DC	435	0.0	0.6	0.5	134	0.02	F-BERGEN
2080.00	SOTBAKKEN B1	BULK	DC	435	0.0	0.8	0.6	146	0.04	F-BERGEN
2090.00	SOTBAKKEN B1	BULK	DC	436	0.0	0.7	0.5	135	0.01	F-BERGEN
2100.00	SOTBAKKEN B1	BULK	DC	435	0.0	0.7	0.5	142	0.01	F-BERGEN
2110.00	SOTBAKKEN B1	BULK	DC	435	0.0	0.7	0.5	139	0.06	F-BERGEN
2120.00	SOTBAKKEN B1	BULK	DC	438	0.1	0.9	0.5	171	0.11	F-BERGEN
2130.00	SOTBAKKEN B1	BULK	DC	441	0.0	0.7	0.5	157	0.03	F-BERGEN
2140.00	SOTBAKKEN B1	BULK	DC	435	0.0	0.9	0.5	190	0.03	F-BERGEN
2150.00	SOTBAKKEN B1	BULK	DC	436	0.0	0.8	0.5	160	0.04	F-BERGEN
2160.00	SOTBAKKEN B1	BULK	DC	438	0.0	0.7	0.5	138	0.04	F-BERGEN
2170.00	SOTBAKKEN B1	BULK	DC	438	0.0	0.5	0.5	109	0.02	F-BERGEN
2180.00	SOTBAKKEN B1	BULK	DC	438	0.0	0.8	0.5	158	0.04	F-BERGEN
2190.00	SOTBAKKEN B1	BULK	DC	438	0.1	0.7	0.5	139	0.13	F-BERGEN
2200.00	SOTBAKKEN B1	BULK	DC	438	0.1	0.7	0.5	146	0.11	F-BERGEN

ROCK EVAL SCREENING DATA, WELL NOR:7316/5-1 (cont'd)

Depth (m)	Group/Fm.	Lithology	Type	Tmax DegC	S1 kg/t	S2 kg/t	TOC %	HI	PI	Analysing Company
2210.00	SOTBAKKEN B1	BULK	DC	438	0.1	0.7	0.5	150	0.06	F-BERGEN
2220.00	SOTBAKKEN B1	BULK	DC	445	0.0	0.8	0.5	160	0.05	F-BERGEN
2230.00	SOTBAKKEN B1	BULK	DC	438	0.1	0.8	0.5	165	0.14	F-BERGEN
2240.00	SOTBAKKEN B1	BULK	DC	439	0.1	0.6	0.5	137	0.07	F-BERGEN
2250.00	SOTBAKKEN B1	BULK	DC	440	0.1	0.7	0.5	161	0.11	F-BERGEN
2260.00	SOTBAKKEN B1	BULK	DC	441	0.1	0.8	0.5	169	0.12	F-BERGEN
2270.00	SOTBAKKEN B1	BULK	DC	443	0.1	0.9	0.5	177	0.09	F-BERGEN
2280.00	SOTBAKKEN B1	BULK	DC	444	0.0	0.6	0.5	120	0.05	F-BERGEN
2290.00	SOTBAKKEN B1	BULK	DC	444	0.1	0.9	0.6	171	0.06	F-BERGEN
2300.00	SOTBAKKEN B1	BULK	DC	443	0.0	0.8	0.5	160	0.03	F-BERGEN
2310.00	SOTBAKKEN B1	BULK	DC	442	0.0	0.7	0.5	138	0.04	F-BERGEN
2320.00	SOTBAKKEN B1	BULK	DC	442	0.0	0.9	0.5	181	0.03	F-BERGEN
2330.00	SOTBAKKEN B1	BULK	DC	443	0.1	0.8	0.5	163	0.06	F-BERGEN
2340.00	SOTBAKKEN B1	BULK	DC	443	0.1	0.8	0.4	173	0.06	F-BERGEN
2350.00	SOTBAKKEN B1	BULK	DC	445	0.1	0.9	0.5	181	0.06	F-BERGEN
2360.00	SOTBAKKEN B1	BULK	DC	442	0.1	1.0	0.5	183	0.08	F-BERGEN
2370.00	SOTBAKKEN B1	BULK	DC	445	0.1	0.8	0.5	160	0.08	F-BERGEN
2380.00	SOTBAKKEN B1	BULK	DC	446	0.1	0.6	0.4	122	0.08	F-BERGEN
2390.00	SOTBAKKEN B1	BULK	DC	444	0.0	0.6	0.4	134	0.05	F-BERGEN
2400.00	SOTBAKKEN B1	BULK	DC	446	0.1	0.6	0.4	142	0.08	F-BERGEN
2410.00	SOTBAKKEN B1	BULK	DC	445	0.1	0.8	0.5	165	0.08	F-BERGEN
2420.00	SOTBAKKEN B1	BULK	DC	444	0.1	0.8	0.5	167	0.08	F-BERGEN
2430.00	SOTBAKKEN B1	BULK	DC	444	0.1	0.7	0.5	148	0.09	F-BERGEN
2440.00	SOTBAKKEN B1	BULK	DC	445	0.1	0.6	0.4	138	0.10	F-BERGEN
2450.00	SOTBAKKEN B1	BULK	DC	447	0.1	0.6	0.4	153	0.08	F-BERGEN
2460.00	SOTBAKKEN B1	BULK	DC	448	0.1	0.7	0.5	143	0.09	F-BERGEN
2470.00	SOTBAKKEN B1	BULK	DC	448	0.1	0.7	0.5	140	0.12	F-BERGEN
2480.00	SOTBAKKEN B1	BULK	DC	453	0.1	0.6	0.5	110	0.14	F-BERGEN
2490.00	SOTBAKKEN B1	BULK	DC	448	0.1	0.6	0.6	111	0.18	F-BERGEN
2500.00	SOTBAKKEN B1	BULK	DC	447	0.1	0.8	0.5	146	0.14	F-BERGEN
2510.00	SOTBAKKEN B1	BULK	DC	449	0.1	0.6	0.5	135	0.14	F-BERGEN
2520.00	SOTBAKKEN B1	BULK	DC	450	0.1	0.6	0.5	133	0.13	F-BERGEN
2530.00	SOTBAKKEN B1	BULK	DC	452	0.1	0.5	0.5	102	0.13	F-BERGEN

TABLE: 3.1.1

Petroleum Geochemistry Group
Research Centre Bergen
HYDRO

ROCK EVAL SCREENING DATA, WELL NOR:7316/5-1 (cont'd)

Depth (m)	Group/Fm.	Lithology	Type	Tmax DegC	S1 kg/t	S2 kg/t	TOC %	HI	PI	Analysing Company
2540.00	SOTBAKKEN B1	BULK	DC	451	0.1	0.5	0.5	106	0.12	F-BERGEN
2550.00	SOTBAKKEN B1	BULK	DC	453	0.1	0.5	0.5	115	0.14	F-BERGEN
2560.00	SOTBAKKEN B1	BULK	DC	452	0.1	0.5	0.4	120	0.12	F-BERGEN
2570.00	SOTBAKKEN B1	BULK	DC	453	0.1	0.4	0.4	95	0.15	F-BERGEN
2580.00	SOTBAKKEN B1	BULK	DC	457	0.1	0.4	0.5	94	0.19	F-BERGEN
2590.00	SOTBAKKEN B1	BULK	DC	453	0.1	0.4	0.4	98	0.14	F-BERGEN
2600.00	SOTBAKKEN B1	BULK	DC	455	0.1	0.4	0.4	98	0.18	F-BERGEN
2610.00	SOTBAKKEN B1	BULK	DC	457	0.1	0.4	0.4	102	0.13	F-BERGEN
2620.00	SOTBAKKEN B1	BULK	DC	454	0.1	0.6	0.5	119	0.14	F-BERGEN
2630.00	SOTBAKKEN B1	BULK	DC	459	0.1	0.4	0.4	84	0.16	F-BERGEN
2640.00	SOTBAKKEN B1	BULK	DC	455	0.1	0.6	0.5	114	0.16	F-BERGEN
2650.00	SOTBAKKEN B1	BULK	DC	459	0.1	0.5	0.4	107	0.16	F-BERGEN
2660.00	SOTBAKKEN B1	BULK	DC	459	0.1	0.5	0.5	102	0.16	F-BERGEN
2670.00	SOTBAKKEN B1	BULK	DC	460	0.1	0.5	0.5	98	0.19	F-BERGEN
2680.00	SOTBAKKEN B1	BULK	DC	462	0.1	0.2	0.5	46	0.28	F-BERGEN
2690.00	SOTBAKKEN B1	BULK	DC	459	0.1	0.4	0.5	68	0.23	F-BERGEN
2700.00	SOTBAKKEN B1	BULK	DC	460	0.1	0.3	0.5	52	0.22	F-BERGEN
2710.00	SOTBAKKEN B1	BULK	DC	459	0.1	0.4	0.5	69	0.23	F-BERGEN
2720.00	SOTBAKKEN B1	BULK	DC	448	0.1	0.4	0.5	79	0.19	F-BERGEN
2730.00	SOTBAKKEN B1	BULK	DC	456	0.1	0.4	0.5	71	0.23	F-BERGEN
2740.00	SOTBAKKEN B1	BULK	DC	459	0.1	0.3	0.5	62	0.26	F-BERGEN
2750.00	SOTBAKKEN B1	BULK	DC	462	0.1	0.3	0.6	64	0.27	F-BERGEN
2760.00	SOTBAKKEN B1	BULK	DC	461	0.1	0.3	0.5	58	0.30	F-BERGEN
2770.00	SOTBAKKEN B1	BULK	DC	463	0.1	0.3	0.5	55	0.28	F-BERGEN
2780.00	SOTBAKKEN B1	BULK	DC	467	0.1	0.2	0.5	44	0.30	F-BERGEN
2790.00	SOTBAKKEN B1	BULK	DC	462	0.1	0.3	0.5	54	0.25	F-BERGEN
2800.00	SOTBAKKEN B1	BULK	DC	468	0.1	0.2	0.5	46	0.28	F-BERGEN
2810.00	SOTBAKKEN B1	BULK	DC	466	0.1	0.3	0.5	49	0.26	F-BERGEN
2820.00	SOTBAKKEN B1	BULK	DC	469	0.1	0.2	0.5	49	0.23	F-BERGEN
2830.00	SOTBAKKEN B1	BULK	DC	474	0.1	0.2	0.5	42	0.25	F-BERGEN
2840.00	SOTBAKKEN B1	BULK	DC	469	0.3	0.3	0.7	43	0.46	F-BERGEN
2850.00	SOTBAKKEN B1	BULK	DC	471	0.3	0.4	0.7	53	0.41	F-BERGEN
2860.00	SOTBAKKEN B1	BULK	DC	473	0.2	0.3	0.7	46	0.40	F-BERGEN

ROCK EVAL SCREENING DATA, WELL NOR:7316/5-1 (cont'd)

Depth (m)	Group/Fm.	Lithology	Type	Tmax DegC	S1 kg/t	S2 kg/t	TOC %	HI	PI	Analysing Company
2870.00	SOTBAKKEN B1	BULK	DC	472	0.2	0.3	0.6	45	0.40	F-BERGEN
2880.00	SOTBAKKEN B1	BULK	DC	475	0.2	0.2	0.6	32	0.45	F-BERGEN
2890.00	SOTBAKKEN B1	BULK	DC	473	0.2	0.3	0.7	38	0.39	F-BERGEN
2900.00	SOTBAKKEN B1	BULK	DC	476	0.2	0.3	0.8	38	0.44	F-BERGEN
2910.00	SOTBAKKEN B1	BULK	DC	477	0.1	0.3	0.7	39	0.32	F-BERGEN
2920.00	SOTBAKKEN B1	BULK	DC	482	0.1	0.2	0.6	35	0.32	F-BERGEN
2930.00	SOTBAKKEN B1	BULK	DC	490	0.1	0.2	0.5	28	0.32	F-BERGEN
2940.00	SOTBAKKEN B1	BULK	DC	486	0.1	0.2	0.6	38	0.34	F-BERGEN
2950.00	SOTBAKKEN B1	BULK	DC	482	0.1	0.2	0.6	36	0.25	F-BERGEN
2960.00	SOTBAKKEN B1	BULK	DC	484	0.1	0.2	0.5	35	0.23	F-BERGEN
2970.00	SOTBAKKEN B1	BULK	DC	489	0.1	0.1	0.5	28	0.35	F-BERGEN
2980.00	SOTBAKKEN A2	BULK	DC	438	0.1	0.2	0.2	77	0.39	F-BERGEN
2990.00	SOTBAKKEN A2	BULK	DC	435	0.1	0.2	0.3	76	0.32	F-BERGEN
3000.00	SOTBAKKEN A2	BULK	DC	486	0.0	0.1	0.3	20	0.38	F-BERGEN
3010.00	SOTBAKKEN A2	BULK	DC	435	0.1	0.4	0.5	92	0.13	F-BERGEN
3020.00	SOTBAKKEN A2	BULK	DC	437	0.1	0.3	0.5	69	0.13	F-BERGEN
3030.00	SOTBAKKEN A2	BULK	DC	482	0.1	0.2	0.5	40	0.25	F-BERGEN
3040.00	SOTBAKKEN A2	BULK	DC	494	0.1	0.1	0.6	23	0.46	F-BERGEN
3050.00	SOTBAKKEN A2	BULK	DC		0.1	0.2	0.6	38	0.34	F-BERGEN
3060.00	SOTBAKKEN A2	BULK	DC		0.2	0.4	0.6	63	0.38	F-BERGEN
3070.00	SOTBAKKEN A2	BULK	DC		0.0	0.0	0.2	19		F-BERGEN
3080.00	SOTBAKKEN A2	BULK	DC		0.0	0.0	0.1	60		F-BERGEN
3090.00	SOTBAKKEN A2	BULK	DC		0.0	0.0	0.0	33		F-BERGEN
3100.00	SOTBAKKEN A2	BULK	DC		0.0	0.0	0.4	3		F-BERGEN
3110.00	SOTBAKKEN A2	BULK	DC	425	0.0	0.0	0.5	4		F-BERGEN
3120.00	SOTBAKKEN A2	BULK	DC		0.0	0.1	0.2	29	0.17	F-BERGEN
3130.00	SOTBAKKEN A2	BULK	DC		0.0	0.1	0.2	29	0.17	F-BERGEN
3140.00	SOTBAKKEN A2	BULK	DC	428	0.0	0.0	0.3	12		F-BERGEN
3150.00	SOTBAKKEN A2	BULK	DC	457	0.0	0.1	0.6	14	0.10	F-BERGEN
3160.00	SOTBAKKEN A2	BULK	DC	463	0.0	0.1	0.6	12	0.13	F-BERGEN
3170.00	SOTBAKKEN A2	BULK	DC	466	0.1	0.1	0.5	18	0.36	F-BERGEN
3180.00	SOTBAKKEN A2	BULK	DC	497	0.0	0.1	0.6	15	0.10	F-BERGEN
3190.00	SOTBAKKEN A2	BULK	DC		0.0	0.1	0.7	13	0.10	F-BERGEN

TABLE: 3.1.1

Petroleum Geochemistry Group
Research Centre Bergen

HYDRO

ROCK EVAL SCREENING DATA, WELL NOR:7316/5-1 (cont'd)

Depth (m)	Group/Fm.	Lithology	Type	Tmax DegC	S1 kg/t	S2 kg/t	TOC %	HI	PI	Analysing Company
3200.00	SOTBAKKEN A2	BULK	DC	433	0.0	0.1	0.5	28	0.07	F-BERGEN
3210.00	SOTBAKKEN A2	BULK	DC	420	0.1	0.2	0.4	46	0.27	F-BERGEN
3220.00	SOTBAKKEN A2	BULK	DC	424	0.1	0.1	0.3	37	0.35	F-BERGEN
3230.00	SOTBAKKEN A2	BULK	DC	435	0.0	0.1	0.2	43	0.10	F-BERGEN
3240.00	SOTBAKKEN A2	BULK	DC		0.0	0.0	0.1	30		F-BERGEN
3250.00	SOTBAKKEN A2	BULK	DC	474	0.0	0.0	0.0	50		F-BERGEN
3260.00	SOTBAKKEN A2	BULK	DC		0.0	0.0	0.1	33		F-BERGEN
3270.00	SOTBAKKEN A2	BULK	DC		0.0	0.0	0.1	14		F-BERGEN
3280.00	SOTBAKKEN A2	BULK	DC		0.0	0.0	0.2	14		F-BERGEN
3290.00	SOTBAKKEN A2	BULK	DC		0.0	0.0	0.2	20		F-BERGEN
3300.00	SOTBAKKEN A1	BULK	DC		0.0	0.0	0.2	14		F-BERGEN
3310.00	SOTBAKKEN A1	BULK	DC	435	0.1	0.0	0.3	10		F-BERGEN
3320.00	SOTBAKKEN A1	BULK	DC		0.0	0.0	0.3	10		F-BERGEN
3330.00	SOTBAKKEN A1	BULK	DC		0.0	0.1	0.3	15	0.00	F-BERGEN
3340.00	SOTBAKKEN A1	BULK	DC		0.0	0.0	0.3	12		F-BERGEN
3350.00	SOTBAKKEN A1	BULK	DC		0.0	0.0	0.2	16		F-BERGEN
3360.00	SOTBAKKEN A1	BULK	DC		0.0	0.0	0.3	10		F-BERGEN
3370.00	SOTBAKKEN A1	BULK	DC		0.0	0.0	0.3	12		F-BERGEN
3380.00	SOTBAKKEN A1	BULK	DC		0.0	0.0	0.2	4		F-BERGEN
3390.00	SOTBAKKEN A1	BULK	DC		0.0	0.0	0.3	4		F-BERGEN
3400.00	SOTBAKKEN A1	BULK	DC		0.0	0.0	0.2	13		F-BERGEN
3410.00	SOTBAKKEN A1	BULK	DC		0.0	0.0	0.3	4		F-BERGEN
3420.00	SOTBAKKEN A1	BULK	DC		0.0	0.0	0.3	4		F-BERGEN
3430.00	SOTBAKKEN A1	BULK	DC		0.0	0.0	0.3	3		F-BERGEN
3440.00	SOTBAKKEN A1	BULK	DC		0.0	0.0	0.3	3		F-BERGEN
3450.00	SOTBAKKEN A1	BULK	DC		0.0	0.0	0.3	4		F-BERGEN
3460.00	SOTBAKKEN A1	BULK	DC		0.0	0.0	0.3	4		F-BERGEN
3470.00	SOTBAKKEN A1	BULK	DC		0.1	0.0	0.2	4		F-BERGEN
3480.00	SOTBAKKEN A1	BULK	DC		0.0	0.0	0.2	4		F-BERGEN
3490.00	SOTBAKKEN A1	BULK	DC		0.0	0.0	0.3	4		F-BERGEN
3500.00	SOTBAKKEN A1	BULK	DC		0.0	0.0	0.3	3		F-BERGEN
3510.00	SOTBAKKEN A1	BULK	DC		0.0	0.0	0.3	3		F-BERGEN
3520.00	SOTBAKKEN A1	BULK	DC	440	0.0	0.0	0.3	3		F-BERGEN

Petroleum Geochemistry Group
Research Centre Bergen
HYDRO

ROCK EVAL SCREENING DATA, WELL NOR:7316/5-1 (cont'd)

Depth (m)	Group/Fm.	Lithology	Type	Tmax DegC	S1 kg/t	S2 kg/t	TOC %	HI	PI	Analysing Company
3530.00	SOTBAKKEN A1	BULK	DC		0.0	0.0	0.3	8		F-BERGEN
3540.00	SOTBAKKEN A1	BULK	DC		0.0	0.0	0.2	4		F-BERGEN
3550.00	SOTBAKKEN A1	BULK	DC		0.0	0.0	0.1	7		F-BERGEN
3560.00	SOTBAKKEN A1	BULK	DC		0.0	0.0	0.2	6		F-BERGEN
3570.00	SOTBAKKEN A1	BULK	DC		0.0	0.0	0.2	7		F-BERGEN
3580.00	SOTBAKKEN A1	BULK	DC		0.0	0.0	0.2	18		F-BERGEN
3590.00	SOTBAKKEN A1	BULK	DC		0.0	0.0	0.2	6		F-BERGEN
3600.00	SOTBAKKEN A1	BULK	DC		0.0	0.0	0.3	4		F-BERGEN
3610.00	SOTBAKKEN A1	BULK	DC		0.0	0.1	0.3	16	0.17	F-BERGEN
3620.00	SOTBAKKEN A1	BULK	DC		0.1	0.0	0.3	10		F-BERGEN
3630.00	SOTBAKKEN A1	BULK	DC	425	0.2	0.2	0.4	58	0.45	F-BERGEN
3640.00	SOTBAKKEN A1	BULK	DC		0.0	0.0	0.2	5		F-BERGEN
3650.00	SOTBAKKEN A1	BULK	DC		0.0	0.0	0.2	5		F-BERGEN
3660.00	SOTBAKKEN A1	BULK	DC		0.0	0.0	0.3	9		F-BERGEN
3670.00	SOTBAKKEN A1	BULK	DC		0.0	0.0	0.4	8		F-BERGEN
3680.00	SOTBAKKEN A1	BULK	DC		0.0	0.1	0.3	14	0.17	F-BERGEN
3690.00	SOTBAKKEN A1	BULK	DC	428	0.0	0.0	0.3	10		F-BERGEN
3700.00	SOTBAKKEN A1	BULK	DC		0.0	0.0	0.3	9		F-BERGEN
3710.00	SOTBAKKEN A1	BULK	DC		0.0	0.1	0.4	13	0.00	F-BERGEN
3720.00	SOTBAKKEN A1	BULK	DC		0.0	0.0	0.3	9		F-BERGEN
3730.00	SOTBAKKEN A1	BULK	DC		0.0	0.1	0.4	22	0.10	F-BERGEN
3740.00	SOTBAKKEN A1	BULK	DC		0.0	0.1	0.5	18	0.25	F-BERGEN
3750.00	SOTBAKKEN A1	BULK	DC		0.0	0.1	0.6	15	0.25	F-BERGEN
3760.00	NYGRUNNEN A	BULK	DC		0.0	0.0	0.4	7		F-BERGEN
3770.00	NYGRUNNEN A	BULK	DC		0.0	0.0	0.4	7		F-BERGEN
3780.00	NYGRUNNEN A	BULK	DC		0.0	0.1	0.4	13	0.00	F-BERGEN
3790.00	NYGRUNNEN A	BULK	DC		0.0	0.1	0.4	12	0.00	F-BERGEN
3800.00	NYGRUNNEN A	BULK	DC		0.0	0.1	0.4	12	0.00	F-BERGEN
3810.00	NYGRUNNEN A	BULK	DC		0.0	0.1	0.4	16	0.13	F-BERGEN
3820.00	NYGRUNNEN A	BULK	DC		0.0	0.1	0.5	15	0.30	F-BERGEN
3830.00	NYGRUNNEN A	BULK	DC		0.0	0.0	0.4	8		F-BERGEN
3840.00	NYGRUNNEN A	BULK	DC		0.1	0.1	0.5	14	0.42	F-BERGEN
3850.00	NYGRUNNEN A	BULK	DC		0.0	0.1	0.5	15	0.13	F-BERGEN

ROCK EVAL SCREENING DATA, WELL NOR:7316/5-1 (cont'd)

Depth (m)	Group/Fm.	Lithology	Type	Tmax DegC	S1 kg/t	S2 kg/t	TOC %	HI	PI	Analysing Company
3860.00	NYGRUNNEN A	BULK	DC		0.0	0.1	0.4	16	0.13	F-BERGEN
3870.00	NYGRUNNEN A	BULK	DC		0.0	0.0	0.4	7		F-BERGEN
3880.00	NYGRUNNEN A	BULK	DC		0.0	0.0	0.4	7		F-BERGEN
3890.00	NYGRUNNEN A	BULK	DC		0.0	0.1	0.4	12	0.00	F-BERGEN
3900.00	NYGRUNNEN A	BULK	DC		0.0	0.1	0.4	14	0.00	F-BERGEN
3910.00	NYGRUNNEN A	BULK	DC		0.0	0.0	0.5	7		F-BERGEN
3920.00	NYGRUNNEN A	BULK	DC		0.0	0.1	0.5	11	0.00	F-BERGEN
3930.00	NYGRUNNEN A	BULK	DC		0.0	0.1	0.5	18	0.10	F-BERGEN
3940.00	NYGRUNNEN A	BULK	DC		0.0	0.0	0.2	4		F-BERGEN
3950.00	NYGRUNNEN A	BULK	DC		0.0	0.0	0.2	0		F-BERGEN
3960.00	NYGRUNNEN A	BULK	DC		0.0	0.0	0.2	13		F-BERGEN
3970.00	NYGRUNNEN A	BULK	DC		0.0	0.0	0.1	7		F-BERGEN
3980.00	NYGRUNNEN A	BULK	DC		0.0	0.0	0.2	0		F-BERGEN
3990.00	NYGRUNNEN A	BULK	DC		0.0	0.0	0.4	8		F-BERGEN
4000.00	NYGRUNNEN A	BULK	DC		0.0	0.1	0.4	12	0.00	F-BERGEN
4010.00	NYGRUNNEN A	BULK	DC		0.0	0.1	0.4	16	0.00	F-BERGEN
4020.00	NYGRUNNEN A	BULK	DC		0.0	0.1	0.5	15	0.30	F-BERGEN
4027.00	NYGRUNNEN A	BULK	DC		0.1	0.1	0.3	15	0.58	F-BERGEN

TABLE 3...2

ROCK EVAL/TOC-VALUES BEFORE AND AFTER EXTRACTION (SDUN-SDEX)
WELL 7316/5-1

START DEPTH M	END DEPTH M	UNEXTRACTED EXTRACTED	S1 KG/TONNE	S2 KG/TONNE	Tmax	TOC %	HI	PI
1495	1505	SDUN	0.03	0.51	421	0.44	115	0.06
1495	1505	SDEX	0.00	0.40	431	0.38	105	
1600	1610	SDUN	0.01	0.43	424	0.46	93	0.02
1600	1610	SDEX	0.00	0.37	430	0.44	84	
1662	1665	SDUN	0.01	0.48	425	0.51	94	0.02
1662	1665	SDEX	0.00	0.44	426	0.47	93	
1752	1755	SDUN	0.01	0.51	426	0.47	108	0.02
1752	1755	SDEX	0.00	0.44	426	0.45	97	
1807	1810	SDUN	0.01	0.54	427	0.48	112	0.02
1807	1810	SDEX	0.00	0.51	428	0.45	113	
1862	1865	SDUN	0.01	0.56	428	0.47	119	0.02
1862	1865	SDEX	0.00	0.50	431	0.43	116	
1907	1910	SDUN	0.01	0.65	428	0.48	135	0.02
1907	1910	SDEX	0.00	0.62	431	0.46	134	
1937	1940	SDUN	0.01	0.59	428	0.45	131	0.02
1937	1940	SDEX	0.00	0.54	427	0.43	125	
1972	1975	SDUN	0.01	0.68	436	0.49	138	0.01
1972	1975	SDEX	0.00	0.60	436	0.46	130	
2050	2060	SDUN	0.02	0.64	431	0.46	139	0.03
2050	2060	SDEX	0.00	0.57	429	0.42	135	
2110	2120	SDUN	0.01	0.66	430	0.48	137	0.02
2110	2120	SDEX	0.00	0.61	430	0.47	129	
2170	2180	SDUN	0.03	0.68	437	0.51	133	0.04
2170	2180	SDEX	0.00	0.62	432	0.47	131	
2210	2220	SDUN	0.03	0.64	432	0.48	133	0.05
2210	2220	SDEX	0.00	0.57	433	0.44	129	
2240	2250	SDUN	0.01	0.61	433	0.45	135	0.02
2240	2250	SDEX	0.00	0.54	441	0.41	131	
2310	2320	SDUN	0.05	0.67	437	0.47	142	0.07
2310	2320	SDEX	0.00	0.57	437	0.44	129	
2350	2360	SDUN	0.09	0.75	445	0.54	138	0.11
2350	2360	SDEX	0.00	0.55	439	0.45	122	
2400	2410	SDUN	0.05	0.52	442	0.45	115	0.09
2400	2410	SDEX	0.00	0.48	439	0.40	120	
2440	2450	SDUN	0.05	0.50	447	0.39	128	0.09
2440	2450	SDEX	0.00	0.45	447	0.36	122	

ROCK EVAL/TOC-VALUES BEFORE AND AFTER EXTRACTION (SDUN-SDEX)
WELL 7316/5-1

START DEPTH M	END DEPTH M	UNEXTRACTED EXTRACTED	S1 KG/TONNE	S2 KG/TONNE	Tmax	TOC %	HI	PI
2490	2500	SDUN	0.11	0.63	444	0.46	139	0.15
2490	2500	SDEX	0.00	0.45	449	0.40	112	
2540	2550	SDUN	0.11	0.55	444	0.44	125	0.17
2540	2550	SDEX	0.00	0.39	452	0.38	97	
2590	2600	SDUN	0.09	0.40	456	0.45	88	0.19
2590	2600	SDEX	0.00	0.29	459	0.38	76	
2640	2650	SDUN	0.11	0.41	459	0.46	89	0.21
2640	2650	SDEX	0.00	0.30	455	0.41	73	
2680	2690	SDUN	0.09	0.41	459	0.48	85	0.18
2680	2690	SDEX	0.00	0.29	463	0.41	68	
2740	2750	SDUN	0.15	0.40	456	0.52	76	0.28
2740	2750	SDEX	0.00	0.31	464	0.48	64	
2800	2810	SDUN	0.09	0.27	474	0.49	55	0.25
2800	2810	SDEX	0.00	0.21	476	0.46	45	
2840	2850	SDUN	0.17	0.36	468	0.68	52	0.33
2840	2850	SDEX	0.00	0.29	472	0.66	43	
2890	2900	SDUN	0.15	0.33	479	0.71	46	0.31
2890	2900	SDEX	0.00	0.25	471	0.68	36	
2930	2940	SDUN	0.07	0.15	486	0.60	25	0.32
2930	2940	SDEX	0.00	0.13	486	0.55	23	
2940	2950	SDUN	0.07	0.21	478	0.56	37	0.25
2940	2950	SDEX	0.00	0.19	488	0.54	35	
3020	3030	SDUN	0.01	0.13	476	0.48	27	0.07
3020	3030	SDEX	0.00	0.13	484	0.51	25	
3030	3040	SDUN	0.03	0.13	525	0.54	24	0.19
3030	3040	SDEX	0.00	0.09	500	0.55	16	

Table 3.2.1

PYROLYSIS GAS-CROMATOGRAPHY DATA
WELL 7316/5-1

Depth. mRKB	Gr/Fm		C_1	C_2 - C_4	C_5 - C_{14}	C_{15+}
1495 - 1505	Sotbakken	B2	28	11	50	11
1600 - 1610	-"-	B2	32	6	48	14
1752 - 1755	-"-	B1	27	14	50	9
1907 - 1910	-"-	B1	23	16	52	9
2050 - 2060	-"-	B1	27	7	55	11
2210 - 2220	-"-	B1	26	8	56	10
2310 - 2320	-"-	B1	25	5	62	8
2350 - 2360	-"-	B1	25	12	52	11
2400 - 2410	-"-	B1	24	9	52	15
2440 - 2450	-"-	B1	28	6	50	16
2490 - 2500	-"-	B1	39	6	49	6
2540 - 2550	-"-	B1	33	12	48	7
2590 - 2600	-"-	B1	31	9	45	15
2640 - 2650	-"-	B1	34	8	43	15
2680 - 2690	-"-	B1	36	7	42	15
2740 - 2750	-"-	B1	43	5	37	15
2800 - 2810	-"-	B1	26	12	39	23
2840 - 2850	-"-	B1	29	14	37	20
2890 - 2900	-"-	B1	40	11	34	15
2930 - 2940	-"-	B1	49	11	28	12

TABLE: 3.3.1

Petroleum Geochemistry Group
Research Centre Bergen

HYDRO

SEDIMENT EXTRACTION WEIGHTS, WELL NOR:7316/5-1

Depth (m)	Group/Fm.	Lithology	Type	Rock (g)	EOM (mg)	SAT (mg)	ARO (mg)	POL (mg)	ASP (mg)	Analysing Company
1505.00	SOTBAKKEN B2	BULK	DCOM	39.0	9.1	0.8	0.2	2.6	2.5	F-BERGEN
1610.00	SOTBAKKEN B2	BULK	DCOM	29.0	8.6	0.5	0.3	2.7	2.6	F-BERGEN
1665.00	SOTBAKKEN B2	BULK	DC	42.3	12.1	0.6	0.4	3.4	3.2	F-BERGEN
1755.00	SOTBAKKEN B1	BULK	DC	23.1	6.3	0.4	0.3	1.9	1.8	F-BERGEN
1810.00	SOTBAKKEN B1	BULK	DC	38.8	9.8	0.3	0.4	2.2	3.1	F-BERGEN
1865.00	SOTBAKKEN B1	BULK	DC	35.2	8.9	0.4	0.5	2.5	2.8	F-BERGEN
1910.00	SOTBAKKEN B1	BULK	DC	27.4	11.1	0.5	0.7	2.8	3.6	F-BERGEN
1940.00	SOTBAKKEN B1	BULK	DC	33.4	9.5	0.3	0.4	1.8	3.7	F-BERGEN
1975.00	SOTBAKKEN B1	BULK	DC	40.2	14.0	0.5	0.7	2.8	5.6	F-BERGEN
2060.00	SOTBAKKEN B1	BULK	DC	27.6	9.9	0.5	0.6	1.6	4.3	F-BERGEN
2120.00	SOTBAKKEN B1	BULK	DC	37.1	14.5	0.8	1.1	2.5	5.8	F-BERGEN
2180.00	SOTBAKKEN B1	BULK	DC	28.2	13.4	0.9	1.1	3.2	4.9	F-BERGEN
2220.00	SOTBAKKEN B1	BULK	DC	39.0	18.0	1.3	1.4	2.5	6.4	F-BERGEN
2250.00	SOTBAKKEN B1	BULK	DC	35.3	13.9	1.1	1.2	2.5	4.4	F-BERGEN
2320.00	SOTBAKKEN B1	BULK	DC	39.1	18.9	1.9	1.6	2.9	4.9	F-BERGEN
2360.00	SOTBAKKEN B1	BULK	DC	38.5	25.8	3.1	2.2	4.2	6.6	F-BERGEN
2410.00	SOTBAKKEN B1	BULK	DC	43.0	26.5	3.6	2.0	4.4	7.5	F-BERGEN
2450.00	SOTBAKKEN B1	BULK	DC	43.4	27.6	3.5	2.2	3.8	7.2	F-BERGEN
2500.00	SOTBAKKEN B1	BULK	DC	40.3	30.2	4.7	2.7	4.5	6.1	F-BERGEN
2550.00	SOTBAKKEN B1	BULK	DC	40.8	28.2	4.5	2.0	3.4	6.6	F-BERGEN
2600.00	SOTBAKKEN B1	BULK	DC	39.7	25.1				4.6	F-BERGEN
2650.00	SOTBAKKEN B1	BULK	DC	40.5	28.4	5.7	1.6	3.8	4.5	F-BERGEN
2690.00	SOTBAKKEN B1	BULK	DC	40.0	24.9	5.0	1.6	3.2	3.7	F-BERGEN
2750.00	SOTBAKKEN B1	BULK	DC	40.7	23.9	6.0	1.5	2.7	3.2	F-BERGEN
2810.00	SOTBAKKEN B1	BULK	DC	40.7	18.4	4.4	1.0	2.2	2.3	F-BERGEN
2850.00	SOTBAKKEN B1	BULK	DC	44.6	25.3	6.3	1.4	2.1	2.2	F-BERGEN
2900.00	SOTBAKKEN B1	BULK	DC	47.4	18.8	4.0	1.0	1.5	2.2	F-BERGEN
2940.00	SOTBAKKEN B1	BULK	DC	25.2	4.3				1.4	F-BERGEN
2950.00	SOTBAKKEN B1	BULK	DC	29.0	11.4	1.2	0.7	1.0	3.9	F-BERGEN
3030.00	SOTBAKKEN A2	BULK	DC	61.0	6.7	1.3	0.4	1.1	1.2	F-BERGEN
3040.00	SOTBAKKEN A2	BULK	DC	101.6	11.6	2.5	0.6	1.5	1.6	F-BERGEN

Petroleum Geochemistry Group
Research Centre Bergen
HYDRO

SEDIMENT EXTRACTION PERCENTAGES (GRAVIMETRIC), WELL NOR:7316/5-1

Depth (m)	Group/Fm.	Lithology	Type	EOM (mg)	EOM (%)	Hydrocarbons(%) SAT	ARO	TOTAL	Non Hydrocarbons(%) POL	ASP	TOTAL
1505.00	SOTBAKKEN B2	BULK	DCOM	9.1	0.02	16.1	4.0	20.1	52.4	27.5	79.9
1610.00	SOTBAKKEN B2	BULK	DCOM	8.6	0.03	10.0	6.0	15.9	53.8	30.2	84.1
1665.00	SOTBAKKEN B2	BULK	DC	12.1	0.03	10.0	6.7	16.7	56.8	26.4	83.3
1755.00	SOTBAKKEN B1	BULK	DC	6.3	0.03	11.0	8.2	19.2	52.2	28.6	80.8
1810.00	SOTBAKKEN B1	BULK	DC	9.8	0.03	7.1	9.4	16.5	51.9	31.6	83.5
1865.00	SOTBAKKEN B1	BULK	DC	8.9	0.03	8.1	10.1	18.1	50.4	31.5	81.9
1910.00	SOTBAKKEN B1	BULK	DC	11.1	0.04	8.4	11.8	20.3	47.3	32.4	79.7
1940.00	SOTBAKKEN B1	BULK	DC	9.5	0.03	7.3	9.8	17.1	44.0	38.9	82.9
1975.00	SOTBAKKEN B1	BULK	DC	14.0	0.03	7.5	10.5	18.0	42.0	40.0	82.0
2060.00	SOTBAKKEN B1	BULK	DC	9.9	0.04	10.5	12.6	23.0	33.5	43.4	77.0
2120.00	SOTBAKKEN B1	BULK	DC	14.5	0.04	10.9	15.0	25.9	34.1	40.0	74.1
2180.00	SOTBAKKEN B1	BULK	DC	13.4	0.05	11.0	13.4	24.4	39.0	36.6	75.6
2220.00	SOTBAKKEN B1	BULK	DC	18.0	0.05	16.1	17.4	33.5	31.0	35.6	66.5
2250.00	SOTBAKKEN B1	BULK	DC	13.9	0.04	15.7	17.1	32.7	35.6	31.7	67.3
2320.00	SOTBAKKEN B1	BULK	DC	18.9	0.05	22.0	18.5	40.5	33.6	25.9	59.5
2360.00	SOTBAKKEN B1	BULK	DC	25.8	0.07	24.3	17.2	41.5	32.9	25.6	58.5
2410.00	SOTBAKKEN B1	BULK	DC	26.5	0.06	25.8	14.3	40.2	31.5	28.3	59.8
2450.00	SOTBAKKEN B1	BULK	DC	27.6	0.06	27.2	17.1	44.3	29.6	26.1	55.7
2500.00	SOTBAKKEN B1	BULK	DC	30.2	0.07	31.5	18.1	49.6	30.2	20.2	50.4
2550.00	SOTBAKKEN B1	BULK	DC	28.2	0.07	34.8	15.5	50.3	26.3	23.4	49.7
2600.00	SOTBAKKEN B1	BULK	DC	25.1	0.06					18.3	18.3
2650.00	SOTBAKKEN B1	BULK	DC	28.4	0.07	43.2	12.1	55.3	28.8	15.8	44.7
2690.00	SOTBAKKEN B1	BULK	DC	24.9	0.06	43.4	13.9	57.3	27.8	14.9	42.7
2750.00	SOTBAKKEN B1	BULK	DC	23.9	0.06	50.9	12.7	63.7	22.9	13.4	36.3
2810.00	SOTBAKKEN B1	BULK	DC	18.4	0.05	50.7	11.5	62.2	25.3	12.5	37.8
2850.00	SOTBAKKEN B1	BULK	DC	25.3	0.06	58.7	13.0	71.7	19.6	8.7	28.3
2900.00	SOTBAKKEN B1	BULK	DC	18.8	0.04	54.3	13.6	67.9	20.4	11.7	32.1
2940.00	SOTBAKKEN B1	BULK	DC	4.3	0.02					32.6	32.6
2950.00	SOTBAKKEN B1	BULK	DC	11.4	0.04	27.2	15.9	43.1	22.7	34.2	56.9
3030.00	SOTBAKKEN A2	BULK	DC	6.7	0.01	38.1	11.7	49.8	32.2	17.9	50.2
3040.00	SOTBAKKEN A2	BULK	DC	11.6	0.01	46.9	11.2	58.1	28.1	13.8	41.9

TABLE: 3.3.3

Petroleum Geochemistry Group
Research Centre Bergen

HYDRO

SEDIMENT EXTRACTION RATIOS (GRAVIMETRIC), WELL NOR:7316/5-1

Depth (m)	Group/Fm.	Lithology	Type	TOC (%)	EOM/TOC (%) (%)	SAT/TOC (%) (%)	SAT/ARO (%) (%)	HC/Non HC (%) (%)
1505.00	SOTBAKKEN B2	BULK	DCOM	0.4	0.1	36.6	4.0	0.3
1610.00	SOTBAKKEN B2	BULK	DCOM	0.5	0.1	21.7	1.7	0.2
1665.00	SOTBAKKEN B2	BULK	DC	0.6	0.1	17.9	1.5	0.2
1755.00	SOTBAKKEN B1	BULK	DC	0.5	0.1	22.0	1.3	0.2
1810.00	SOTBAKKEN B1	BULK	DC	0.5	0.0	13.3	0.8	0.2
1865.00	SOTBAKKEN B1	BULK	DC	0.5	0.0	15.8	0.8	0.2
1910.00	SOTBAKKEN B1	BULK	DC	0.5	0.1	15.6	0.7	0.3
1940.00	SOTBAKKEN B1	BULK	DC	0.5	0.1	15.0	0.7	0.2
1975.00	SOTBAKKEN B1	BULK	DC	0.6	0.1	13.2	0.7	0.2
2060.00	SOTBAKKEN B1	BULK	DC	0.5	0.1	22.3	0.8	0.3
2120.00	SOTBAKKEN B1	BULK	DC	0.5	0.1	21.4	0.7	0.3
2180.00	SOTBAKKEN B1	BULK	DC	0.5	0.1	21.1	0.8	0.3
2220.00	SOTBAKKEN B1	BULK	DC	0.5	0.1	32.2	0.9	0.5
2250.00	SOTBAKKEN B1	BULK	DC	0.5	0.1	34.0	0.9	0.5
2320.00	SOTBAKKEN B1	BULK	DC	0.5	0.1	42.3	1.2	0.7
2360.00	SOTBAKKEN B1	BULK	DC	0.5	0.1	45.8	1.4	0.7
2410.00	SOTBAKKEN B1	BULK	DC	0.5	0.1	52.7	1.8	0.7
2450.00	SOTBAKKEN B1	BULK	DC	0.4	0.2	68.1	1.6	0.8
2500.00	SOTBAKKEN B1	BULK	DC	0.5	0.1	58.4	1.7	1.0
2550.00	SOTBAKKEN B1	BULK	DC	0.5	0.1	74.1	2.2	1.0
2600.00	SOTBAKKEN B1	BULK	DC	0.4	0.2			
2650.00	SOTBAKKEN B1	BULK	DC	0.4	0.2	96.0	3.6	1.2
2690.00	SOTBAKKEN B1	BULK	DC	0.5	0.1	82.0	3.1	1.3
2750.00	SOTBAKKEN B1	BULK	DC	0.6	0.1	92.6	4.0	1.8
2810.00	SOTBAKKEN B1	BULK	DC	0.5	0.1	99.3	4.4	1.6
2850.00	SOTBAKKEN B1	BULK	DC	0.7	0.1	79.3	4.5	2.5
2900.00	SOTBAKKEN B1	BULK	DC	0.8	0.1	71.5	4.0	2.1
2940.00	SOTBAKKEN B1	BULK	DC	0.6	0.0			
2950.00	SOTBAKKEN B1	BULK	DC	0.6	0.1	46.1	1.7	0.8
3030.00	SOTBAKKEN A2	BULK	DC	0.5	0.0	71.9	3.2	1.0
3040.00	SOTBAKKEN A2	BULK	DC	0.6	0.0	83.7	4.2	1.4

TABLE: 3.3.4

Petroleum Geochemistry Group
Research Centre Bergen

HYDRO

SEDIMENT EXTRACTION PERCENTAGES (IATROSCAN), WELL NOR:7316/5-1

Depth (m)	Group/Fm.	Lithology	Type	Hydrocarbons (%) SAT	ARO	TOTAL	Non Hydrocarbons (%) POL	ASP	TOTAL	Analysing Company
1505.00	SOTBAKKEN B2	BULK	DCOM	9.0	8.0	17.0	83.0	0.0	83.0	F-BERGEN
1610.00	SOTBAKKEN B2	BULK	DCOM	5.0	7.0	12.0	88.0	0.0	88.0	F-BERGEN
1665.00	SOTBAKKEN B2	BULK	DC	4.0	8.0	12.0	88.0	0.0	88.0	F-BERGEN
1755.00	SOTBAKKEN B1	BULK	DC	5.0	7.5	12.5	87.5	0.0	87.5	F-BERGEN
1810.00	SOTBAKKEN B1	BULK	DC	5.0	11.0	16.0	84.0	0.0	84.0	F-BERGEN
1865.00	SOTBAKKEN B1	BULK	DC	7.0	15.0	22.0	78.0	0.0	78.0	F-BERGEN
1910.00	SOTBAKKEN B1	BULK	DC	6.0	21.0	27.0	73.0	0.0	73.0	F-BERGEN
1940.00	SOTBAKKEN B1	BULK	DC	5.0	24.0	29.0	71.0	0.0	71.0	F-BERGEN
1975.00	SOTBAKKEN B1	BULK	DC	7.0	26.0	33.0	67.0	0.0	67.0	F-BERGEN
2060.00	SOTBAKKEN B1	BULK	DC	9.0	29.0	38.0	62.0	0.0	62.0	F-BERGEN
2120.00	SOTBAKKEN B1	BULK	DC	11.0	34.0	45.0	55.0	0.0	55.0	F-BERGEN
2180.00	SOTBAKKEN B1	BULK	DC	12.5	34.0	46.5	53.5	0.0	53.5	F-BERGEN
2220.00	SOTBAKKEN B1	BULK	DC	12.0	37.0	49.0	51.0	0.0	51.0	F-BERGEN
2250.00	SOTBAKKEN B1	BULK	DC	14.0	36.0	50.0	50.0	0.0	50.0	F-BERGEN
2320.00	SOTBAKKEN B1	BULK	DC	15.0	44.5	59.5	40.5	0.0	40.5	F-BERGEN
2360.00	SOTBAKKEN B1	BULK	DC	21.0	42.0	63.0	37.0	0.0	37.0	F-BERGEN
2410.00	SOTBAKKEN B1	BULK	DC	19.5	37.5	57.0	43.0	0.0	43.0	F-BERGEN
2450.00	SOTBAKKEN B1	BULK	DC	22.0	40.0	62.0	38.0	0.0	38.0	F-BERGEN
2500.00	SOTBAKKEN B1	BULK	DC	23.0	41.0	64.0	36.0	0.0	36.0	F-BERGEN
2550.00	SOTBAKKEN B1	BULK	DC	26.5	37.5	64.0	36.0	0.0	36.0	F-BERGEN
2600.00	SOTBAKKEN B1	BULK	DC	34.0	31.0	65.0	35.0	0.0	35.0	F-BERGEN
2650.00	SOTBAKKEN B1	BULK	DC	37.0	31.0	68.0	32.0	0.0	32.0	F-BERGEN
2690.00	SOTBAKKEN B1	BULK	DC	39.5	25.5	65.0	35.0	0.0	35.0	F-BERGEN
2750.00	SOTBAKKEN B1	BULK	DC	46.0	26.5	72.5	27.5	0.0	27.5	F-BERGEN
2810.00	SOTBAKKEN B1	BULK	DC	45.0	25.0	70.0	30.0	0.0	30.0	F-BERGEN
2850.00	SOTBAKKEN B1	BULK	DC	50.0	25.0	75.0	25.0	0.0	25.0	F-BERGEN
2900.00	SOTBAKKEN B1	BULK	DC	49.0	26.5	75.5	24.5	0.0	24.5	F-BERGEN
2940.00	SOTBAKKEN B1	BULK	DC	27.0	40.0	67.0	33.0	0.0	33.0	F-BERGEN
2950.00	SOTBAKKEN B1	BULK	DC	27.0	37.5	64.5	35.5	0.0	35.5	F-BERGEN
3030.00	SOTBAKKEN A2	BULK	DC	36.0	20.0	56.0	44.0	0.0	44.0	F-BERGEN
3040.00	SOTBAKKEN A2	BULK	DC	33.0	27.0	60.0	40.0	0.0	40.0	F-BERGEN

TABLE: 3.3.5

Petroleum Geochemistry Group
Research Centre Bergen

HYDRO

SEDIMENT EXTRACTION RATIOS (IATROSCAN), WELL NOR:7316/5-1

Depth (m)	Group/Fm.	Lithology	Type	TOC (%)	EOM/TOC (%)	SAT/TOC (%)	SAT/ARO (%)	HC/Non HC (%)
1505.00	SOTBAKKEN B2	BULK	DCOM	0.4		20.5	1.1	0.2
1610.00	SOTBAKKEN B2	BULK	DCOM	0.5		10.9	0.7	0.1
1665.00	SOTBAKKEN B2	BULK	DC	0.6		7.1	0.5	0.1
1755.00	SOTBAKKEN B1	BULK	DC	0.5		10.0	0.7	0.1
1810.00	SOTBAKKEN B1	BULK	DC	0.5		9.4	0.5	0.2
1865.00	SOTBAKKEN B1	BULK	DC	0.5		13.7	0.5	0.3
1910.00	SOTBAKKEN B1	BULK	DC	0.5		11.1	0.3	0.4
1940.00	SOTBAKKEN B1	BULK	DC	0.5		10.2	0.2	0.4
1975.00	SOTBAKKEN B1	BULK	DC	0.6		12.3	0.3	0.5
2060.00	SOTBAKKEN B1	BULK	DC	0.5		19.1	0.3	0.6
2120.00	SOTBAKKEN B1	BULK	DC	0.5		21.6	0.3	0.8
2180.00	SOTBAKKEN B1	BULK	DC	0.5		24.0	0.4	0.9
2220.00	SOTBAKKEN B1	BULK	DC	0.5		24.0	0.3	1.0
2250.00	SOTBAKKEN B1	BULK	DC	0.5		30.4	0.4	1.0
2320.00	SOTBAKKEN B1	BULK	DC	0.5		28.8	0.3	1.5
2360.00	SOTBAKKEN B1	BULK	DC	0.5		39.6	0.5	1.7
2410.00	SOTBAKKEN B1	BULK	DC	0.5		39.8	0.5	1.3
2450.00	SOTBAKKEN B1	BULK	DC	0.4		55.0	0.6	1.6
2500.00	SOTBAKKEN B1	BULK	DC	0.5		42.6	0.6	1.8
2550.00	SOTBAKKEN B1	BULK	DC	0.5		56.4	0.7	1.8
2600.00	SOTBAKKEN B1	BULK	DC	0.4		81.0	1.1	1.9
2650.00	SOTBAKKEN B1	BULK	DC	0.4		82.2	1.2	2.1
2690.00	SOTBAKKEN B1	BULK	DC	0.5		74.5	1.5	1.9
2750.00	SOTBAKKEN B1	BULK	DC	0.6		83.6	1.7	2.6
2810.00	SOTBAKKEN B1	BULK	DC	0.5		88.2	1.8	2.3
2850.00	SOTBAKKEN B1	BULK	DC	0.7		67.6	2.0	3.0
2900.00	SOTBAKKEN B1	BULK	DC	0.8		64.5	1.8	3.1
2940.00	SOTBAKKEN B1	BULK	DC	0.6		49.1	0.7	2.0
2950.00	SOTBAKKEN B1	BULK	DC	0.6		45.8	0.7	1.8
3030.00	SOTBAKKEN A2	BULK	DC	0.5		67.9	1.8	1.3
3040.00	SOTBAKKEN A2	BULK	DC	0.6		58.9	1.2	1.5

TABLE: 3.4.1

Petroleum Geochemistry Group
Research Centre Bergen

HYDRO

SATURATED FRACTION MOLECULAR RATIOS (SEDIMENT SAMPLES), WELL NOR:7316/5-1

Depth (m)	Group/Fm.	Lithology	Type	Pristane/ nC17	Pristane/ Phytane	CPI-I	CPI-II	nC17/ nC17+nC27	Analysing Company
1505.00	SOTBAKKEN B2	BULK	DCOM	1.1	1.2	2.1	2.2		F-BERGEN
1610.00	SOTBAKKEN B2	BULK	DCOM	1.5	1.6	2.6	2.4		F-BERGEN
1665.00	SOTBAKKEN B2	BULK	DC	2.3	1.3	2.4	2.5		F-BERGEN
1755.00	SOTBAKKEN B1	BULK	DC	1.6	1.8	2.3	2.2		F-BERGEN
1810.00	SOTBAKKEN B1	BULK	DC	1.9	1.6	1.9	1.9		F-BERGEN
1865.00	SOTBAKKEN B1	BULK	DC	1.9	1.5	1.7	1.7		F-BERGEN
1910.00	SOTBAKKEN B1	BULK	DC	2.4	1.9	1.7	1.5		F-BERGEN
1940.00	SOTBAKKEN B1	BULK	DC	2.0	2.1	1.7	1.6		F-BERGEN
1975.00	SOTBAKKEN B1	BULK	DC	2.3	2.1	1.6	1.5		F-BERGEN
2060.00	SOTBAKKEN B1	BULK	DC	1.8	2.4	1.5	1.3		F-BERGEN
2120.00	SOTBAKKEN B1	BULK	DC	1.9	3.6	1.2	1.2		F-BERGEN
2180.00	SOTBAKKEN B1	BULK	DC	1.7	3.9	1.3	1.2		F-BERGEN
2220.00	SOTBAKKEN B1	BULK	DC	1.6	3.6	1.3	1.2		F-BERGEN
2250.00	SOTBAKKEN B1	BULK	DC	1.4	3.5	1.3	1.2		F-BERGEN
2320.00	SOTBAKKEN B1	BULK	DC	1.0	3.7	1.2	1.1		F-BERGEN
2360.00	SOTBAKKEN B1	BULK	DC	0.8	3.2	1.1	1.1		F-BERGEN
2410.00	SOTBAKKEN B1	BULK	DC	0.8	3.0	1.1	1.1		F-BERGEN
2450.00	SOTBAKKEN B1	BULK	DC	0.7	2.8	1.1	1.0		F-BERGEN
2500.00	SOTBAKKEN B1	BULK	DC	0.6	2.7	1.1	1.0		F-BERGEN
2550.00	SOTBAKKEN B1	BULK	DC	0.5	3.1	1.0	0.9		F-BERGEN
2600.00	SOTBAKKEN B1	BULK	DC	0.4	2.8	1.1	1.0		F-BERGEN
2650.00	SOTBAKKEN B1	BULK	DC	0.4	2.6	1.1	1.0		F-BERGEN
2690.00	SOTBAKKEN B1	BULK	DC	0.4	2.7	1.1	1.0		F-BERGEN
2750.00	SOTBAKKEN B1	BULK	DC	0.4	2.9	1.1	1.0		F-BERGEN
2810.00	SOTBAKKEN B1	BULK	DC	0.3	2.7	1.0	1.0		F-BERGEN
2850.00	SOTBAKKEN B1	BULK	DC	0.4	2.5	1.1	1.0		F-BERGEN
2900.00	SOTBAKKEN B1	BULK	DC	0.4	2.3	1.1	1.0		F-BERGEN
2950.00	SOTBAKKEN B1	BULK	DC	0.3	2.4	1.1	1.0		F-BERGEN
3030.00	SOTBAKKEN A2	BULK	DC	0.2	1.5	1.0	1.0		F-BERGEN
3040.00	SOTBAKKEN A2	BULK	DC	0.2	1.1	1.0	1.0		F-BERGEN

WELL 7316/5-1
MATURATION PARAMETERS OF THE AROMATIC FRACTION
MPI 1 = 1.5(2MP+3MP)/P+1MP+9MP , MPI 2 = 3(2MP)/P+9MP+1MP

START DEPTH (M)	END DEPTH (M)	DC 1-2 MM	MPI 1	MPI 2
1495	1505	COMP.	0.41	0.38
1752	1755	BULK	0.61	0.86
1907	1910	BULK	0.49	0.77
2050	2060	BULK	0.48	0.68
2210	2220	BULK	0.47	0.63
2240	2250	BULK	0.53	0.67
2310	2320	BULK	0.54	0.68
2350	2360	BULK	0.55	0.71
2400	2410	BULK	0.56	0.72
2440	2450	BULK	0.57	0.72
2490	2500	BULK	0.61	0.77
2540	2550	BULK	0.67	0.81
2590	2600	BULK	0.73	0.87
2640	2650	BULK	0.75	0.89
2680	2690	BULK	0.86	1.01
2740	2750	BULK	0.98	1.13
2800	2810	BULK	1.08	1.22
2840	2850	BULK	1.12	1.27
2890	2900	BULK	1.15	1.29
2940	2950	BULK	1.28	1.42
3020	3030	BULK	1.33	1.54
3030	3040	BULK	1.37	1.58

TABLE 3.6.1

BIOMARKER PARAMETERS

WELL 7316/5-1

			TRITERPANES MZ 191						STERANES MZ 217		I	II	
START DEPTH m	END DEPTH m	TYPE	Ts/ Tm	NOR/ NOR+HOP	BNOR/ BNOR+NOR	MORETAN/ HOPAN	% 22S BISHOMOHOP	25-NORHOP/ HOPAN	20S % ααα	20S+R % αββ	DIASTER/ STER.	TERP./ STER.	REMARKS
1495	1505	DCOMP	0.25	0.62	0.06	0.44	0	0	3		0.15	1.2	
1752	1755	DC	0.14	0.60	0	0.53	0	0	1		0.07	1.7	
1862	1865	"	0.10	0.40	0	0.45	13	0	3		0.22	5.1	
1972	1975	"	0.27	0.34	0	0.39	28	0	6		0.48	6.2	
2210	2220	"	0.51	0.43	0	0.34	58	0	32	21	0.48	23	
2400	2410	"	5.3	0.24	0.10	0.10	58	0	54	54	0.92	320	
2490	2500	"	6.4	0.20	0.18	0.09	60	0.02	57	61	1.17	367	
2590	2600	"	5.0	0.32	0.18	0.14	61	0.10	50	65	2.0	359	Weak MZ217
2680	2690	"	2.8	0.38	0	0.19	57	0.08	47	53	2.55	128	Very weak MZ217
2800	2810	"	0.93	0.36	0	0.19	55	0	26	42	0.56	60	" " "
2890	2900	"	1.0	0.37	0	0.19	60	0	NDP	NDP	-	-	

I DIA STERANE/STERANE = $\frac{27 d\beta S}{27 \alpha\alpha R}$

II TERPANE/STERANE = $\frac{30\ \alpha\beta}{27 \alpha\alpha R}$

TABLE 3.6.1

BIOMARKER PARAMETERS

BIOMARKER STANDARD

		TRITERPANES MZ 191						STERANES MZ 217		I	II
DEPTH m	TYPE	Ts/ Tm	NOR/ NOR+HOP	BNOR/ BNOR+NOR	MORETAN/ HOPAN	% 22S BISHOMOHOP	25-NORHOP/ HOPAN	20S % ααα	20S+R % αββ	DIASTER/ STER.	TERP./ STER.
Biom.std.	DST2 (30/6-13)	1.3	0.29	0.35	0.12	60	0.12	41	55	1.5	55
" "	" "	1.4	0.30	0.34	0.13	59	0.11	39	57	1.5	48
" "	" "	1.4	0.31	0.35	0.12	58	0.12	42	57	1.7	44

I DIA STERANE/STERANE = $\frac{27 d\beta S}{27 \alpha\alpha R}$

II TERPANE/STERANE = $\frac{30\ \alpha\beta}{27 \alpha\alpha R}$

TABLE: 3.7.1

Petroleum Geochemistry Group
Research Centre Bergen

HYDRO

ISOTOPE ANALYSIS RESULTS (SEDIMENT SAMPLES), WELL NOR:7316/5-1

Depth (m)	Group/Fm.	Lithology	Type	d13C Extr	d13C SAT	d13C ARO	d13C POL	d13C ASP	d13C Kero	Analysing Company
1505.00	SOTBAKKEN B2	BULK	DCOM	-27.98				-27.43		GEOLABNOR
1610.00	SOTBAKKEN B2	BULK	DCOM	-28.60				-27.98		GEOLABNOR
1665.00	SOTBAKKEN B2	BULK	DC	-28.53				-27.91		GEOLABNOR
1755.00	SOTBAKKEN B1	BULK	DC	-28.57				-27.97		GEOLABNOR
1810.00	SOTBAKKEN B1	BULK	DC	-28.71				-27.82		GEOLABNOR
1865.00	SOTBAKKEN B1	BULK	DC	-28.47				-27.83		GEOLABNOR
1910.00	SOTBAKKEN B1	BULK	DC	-28.18				-27.65		GEOLABNOR
1940.00	SOTBAKKEN B1	BULK	DC	-28.45				-27.84		GEOLABNOR
1975.00	SOTBAKKEN B1	BULK	DC	-28.39				-27.69		GEOLABNOR
2060.00	SOTBAKKEN B1	BULK	DC	-28.62				-27.71		GEOLABNOR
2120.00	SOTBAKKEN B1	BULK	DC	-28.28		-28.45	-28.00	-27.57		GEOLABNOR
2180.00	SOTBAKKEN B1	BULK	DC	-28.06		-28.31	-27.77	-27.30		GEOLABNOR
2220.00	SOTBAKKEN B1	BULK	DC	-28.07	-28.79	-28.05		-27.32		GEOLABNOR
2250.00	SOTBAKKEN B1	BULK	DC	-28.32	-29.06	-28.38	-27.96	-27.55		GEOLABNOR
2320.00	SOTBAKKEN B1	BULK	DC	-27.96	-28.68	-27.75		-27.27		GEOLABNOR
2360.00	SOTBAKKEN B1	BULK	DC	-27.88	-28.58	-27.72		-27.18		GEOLABNOR
2410.00	SOTBAKKEN B1	BULK	DC	-27.68	-28.17	-27.51		-27.15		GEOLABNOR
2450.00	SOTBAKKEN B1	BULK	DC	-27.72	-28.42	-27.39		-27.10		GEOLABNOR
2500.00	SOTBAKKEN B1	BULK	DC	-27.64	-28.22	-27.28		-27.03		GEOLABNOR
2550.00	SOTBAKKEN B1	BULK	DC	-27.40	-27.93	-26.79		-26.86		GEOLABNOR
2600.00	SOTBAKKEN B1	BULK	DC	-27.26	-27.73		-26.67	-26.82		GEOLABNOR
2650.00	SOTBAKKEN B1	BULK	DC	-27.13	-27.70	-26.30		-26.61		GEOLABNOR
2690.00	SOTBAKKEN B1	BULK	DC	-27.04	-27.56	-26.17		-26.60		GEOLABNOR
2750.00	SOTBAKKEN B1	BULK	DC	-26.61	-27.04	-25.58		-26.27		GEOLABNOR
2810.00	SOTBAKKEN B1	BULK	DC	-26.09	-26.54	-25.16		-26.07		GEOLABNOR
2850.00	SOTBAKKEN B1	BULK	DC	-25.28	-25.57	-24.20		-25.43		GEOLABNOR
2900.00	SOTBAKKEN B1	BULK	DC	-25.40	-25.67	-25.18		-25.58		GEOLABNOR
2940.00	SOTBAKKEN B1	BULK	DC	-25.49				-25.61		GEOLABNOR
2950.00	SOTBAKKEN B1	BULK	DC	-25.66	-25.99		-26.07	-25.60		GEOLABNOR
3030.00	SOTBAKKEN A2	BULK	DC	-26.65	-27.20		-26.65	-25.87		GEOLABNOR
3040.00	SOTBAKKEN A2	BULK	DC	-26.10	-26.51		-26.38	-25.50		GEOLABNOR

TABLE 3.8.1 - Continued

DEPTH (m)	VISUAL ESTIMATE (%) Am	Al	H	W	I
2690	2	3	30	45	20
2750	(-	2	23	41	34)
2810	(-	2	22	43	33)
2840	3	-	24	43	30
2850	3	-	26	43	28
2870	(5	-	25	45	25)
2900	5	2	25	40	28
2920	4	(1)	25	45	25
2950	5	(1)	20	45	29
2970	3	-	24	45	28
3030	-	-	10 max	← 90 →	
3040	-	-	10	← 90 →	
3060	-	-	20	← 80 →	
3150		see remarks - App VI			
3200	-	-	10 max	← 90 →	

( ) treat data with caution, see remarks - App VI

TABLE 3.8.1

KEROGEN COMPOSITION, WELL 7316/5-1

DEPTH (m)	VISUAL ESTIMATE (%) Am	Al	H	W	I
1495-1505	1	15	29	50	5
1600-1610	-	15	32	50	3
1665	1	15	20	49	5
1755	(2	17	33	45	3)
1810	1	15	33	46	5
1865	2	20	38	35	5
1910	2	18	33	40	7
1940	2	20	41	34	3
1975	-	20	37	35	5
2060	1	24	37	33	5
2120	1	30	35	30	4
2180	(1	20	38	34	7)
2220	(3	20	37	35	5)
2250	2	23	42	30	3
2320	2	23	43	29	3
2360	(-	10	47	35	8)
2410	(-	5	35	45	15)
2450	(-	10	40	40	10)
2500	(-	10	35	38	17)
2550	-	6	40	40	14
2600	1	6	35	40	18
2650	1	1	39	43	16

( ) treat data with caution, see remarks - App. VI