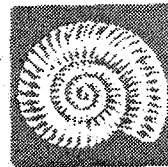


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REPORT TITLE/ TITTEL RAPID GOECHMEMICAL SCREENING OF WELL 6407/9-1			
CLIENT/ OPPDRAGSGIVER A/S Norske Shell			
RESPONSIBLE SCIENTIST/ PROSJEKTANSVARLIG K. Aareskjold			
AUTHORS/ FORFATTERE K. Aareskjold and F. Bessessen			
DATE/ DATO 17.1.85	REPORT NO./ RAPPORT NR. 22.1765.00/01/85	NO. OF PAGES/ ANT. SIDER 20	NO. OF ENCLOSURES/ ANT. BILAG 2

**SUMMARY/ SAMMENDRAG**

80 cutting samples, 8 sidewall cores and 2 core samples from well 6407/9-1 were lithologically described, and bulk samples were analyzed for total organic carbon and by Rock-Eval.

KEY WORDS/ STIKKORD Haltenbanken

6407/9-1

Rapid geochemical screening

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## EXPERIMENTAL METHODS AND DESCRIPTION OF INTERPRETATION LEVELS

### Lithological descriptions

Lithological examinations are normally carried out using a binocular microscope (maximum 50x magnification). Colour descriptions are in accordance with "Rock Colour Chart" published in 1979 by the Geology Society of America. Boulder, Colorado. The clients have a choice of three different levels of description from a simple identification of the lithologies to a full examination of the sample. Handpicking of the cuttings for organic geochemical analyses is based on these descriptions.

### Total Organic Carbon

Bulk samples were crushed in a mortar. Aliquots of the samples were then weighed into Leco crucibles and treated three times with hot 10% HCl to remove carbonate, and washed 4 times with distilled water to remove traces of HCl. The crucibles were then placed on a hot plate and dried for 24 hours. The total organic carbon (TOC) content of the dried samples was determined using a Leco CR12 carbon analyser.

### Rock-Eval pyrolysis

Crushed sample (100mg) was weighed into a platinum crucible the base and cover of which are made of sintered steel, and analysed on a Rock-Eval pyrolyser.

**IKU**

# Lithology and Total Organic Carbon measurements

TABLE NO.:  
WELL NO.: 6407/9-1

Sample	Depth (m)	TOC	Lithology
CUTTINGS			
B-9148	400-450	0.49	*BULK 100% <u>Sand and Rock Fragments</u> mixed with abundant <u>clay</u> and <u>drill mud</u> Sm.am. Shell fragments, Coal
B-9149	450-500	0.55	*BULK 100% <u>Sand and Rock Fragments</u> mixed with abundant <u>clay</u> and <u>drill mud</u> Sm.am. Shell fragments, Coal
B-9150	530-540	0.43	*BULK 100% <u>Sand and Rock Fragments</u> mixed with abundant <u>clay</u> and <u>drill mud</u> Sm.am. Shell fragments, Coal
B-9151	500-550	0.43	*BULK 100% <u>Sand and Rock Fragments</u> mixed with abundant <u>clay</u> and <u>drill mud</u> Sm.am. Shell fragments, Coal
B-9152	550-600	0.38	*BULK 100% <u>Sand and Rock Fragments</u> mixed with abundant <u>clay</u> and <u>drill mud</u> Sm.am. Shell fragments, Coal
B-9153	590-600	0.36	*BULK 100% <u>Sand and Rock Fragments</u> mixed with abundant <u>clay</u> and <u>drill mud</u> Sm.am. Shell fragments, Coal



# Lithology and Total Organic Carbon measurements

TABLE NO.:  
WELL NO.: 6407/9-1

Sample	Depth (m)	TOC	Lithology
B-9154	600-650	0.34	*BULK 100% <u>Sand and Rock Fragments</u> mixed with abundant <u>clay</u> and <u>drill mud</u> Sm.am. Shell fragments, Coal
B-9155	650-700	0.19	*BULK 100% <u>Sand and Rock Fragments</u> Sm.am. Shell fragments, Coal
B-9156	700-750	0	*BULK 100% <u>Sand and Rock Fragments</u> Sm.am. Shell fragments, Coal
B-9157	750-790	0.49	*BULK 100% <u>Sand and Rock Fragments</u> mixed with abundant <u>clay</u> and <u>drill mud</u> Sm.am. Shell fragments, Coal
B-9158	810-850	0.87	*BULK 40% <u>Claystone</u> , pale brown, silty 30% <u>Claystone</u> , greyish green, very glauconitic 30% <u>Casing cement</u> , white with black specs
B-9159	850-900	2.10	*BULK 100% <u>Claystone</u> , olive grey, silty Sm.am. Claystone (greyish green); Casing cement
B-9160	900-950	2.24	*BULK 100% <u>Claystone</u> , olive grey, silty
B-9161	950-1000	1.31	*BULK 100% <u>Claystone</u> , light olive grey-olive grey, silty



# Lithology and Total Organic Carbon measurements

TABLE NO.:  
WELL NO.: 6407/9-1

Sample	Depth (m)	TOC	Lithology
B-9162	1000-1050	1.07	*BULK 100% <u>Claystone</u> , light olive grey-olive grey, silty
B-9163	1050-1100	1.02	*BULK 100% <u>Claystone</u> , light olive grey-olive grey, silty
B-9164	1100-1150	0.86	*BULK 100% <u>Claystone</u> , light olive grey (olive grey), silty
B-9165	1150-1200	0.80	*BULK 100% <u>Claystone</u> , light olive grey (olive grey), silty
B-9166	1200-1250	1.05	*BULK 100% <u>Claystone</u> , light olive grey (olive grey), silty
B-9167	1250-1300	1.32	*BULK 100% <u>Claystone</u> , light olive grey (olive grey), silty
B-9168	1300-1348	0.55	*BULK 100% <u>Claystone</u> , varicoloured, light olive grey-olive grey-greenish grey-moderate brown, silty
B-9169	1348-1399	0.98	*BULK 100% <u>Claystone</u> , varicoloured, as above



# Lithology and Total Organic Carbon measurements

TABLE NO.:  
WELL NO.: 6407/9-1

Sample	Depth (m)	TOC	Lithology
B-9170	1399-1450	0.62	*BULK 100% <u>Claystone</u> , light olive grey (olive grey), silty
B-9171	1450-1477	0.89	*BULK 100% <u>Claystone</u> , light olive grey-olive grey, silty
B-9172	1477-1528	1.43	*BULK 100% <u>Claystone</u> , olive grey (light olive grey), silty
B-9173	1528-1558	1.15	*BULK 100% <u>Claystone</u> , medium grey-light olive grey, silty
B-9171	1558-1588	0.74	*BULK 50% <u>Claystone</u> , (dark) olive grey-(dark) brownish grey, silty 50% <u>Marl/Limestone</u> , reddish brown-white
B-9175	1588-1591	4.83	*BULK 100% <u>Claystone</u> , (dark) olive grey-(dark) brownish grey, silty Sm.am. Claystone (light) olive grey; Marl/Limestone
B-9176	1591-1594	4.51	*BULK 100% <u>Claystone</u> , (dark) olive grey-(dark) brownish grey, silty Sm.am. Claystone (light) olive grey; Marl/Limestone



# Lithology and Total Organic Carbon measurements

TABLE NO.:  
WELL NO.: 6407/9-1

Sample	Depth (m)	TOC	Lithology
B-9177	1594-1600	5.94	*BULK 100% <u>Claystone</u> , dark olive grey-dark brownish grey, silty Sm.am. Claystone (light olive grey); Marl
B-9178	1600-1606	4.69	*BULK 100% <u>Claystone</u> , dark olive grey-dark brownish grey, silty Sm.am. Claystone (light olive grey); Marl
B-9179	1606-1609	5.68	*BULK 90% <u>Claystone</u> , dark olive grey-dark brownish grey, silty 10% <u>Claystone</u> , light olive grey, silty Sm.am. Marl
B-9180	1609-1612	5.29	*BULK 90% <u>Claystone</u> , dark olive grey-dark brownish grey, silty 10% <u>Claystone</u> , light olive grey, silty Sm.am. Limestone, Marl
B-9181	1612-1615	5.31	*BULK 90% <u>Claystone</u> , dark olive grey-dark brownish grey, silty 10% <u>Claystone</u> , light olive grey-greenish grey Sm.am. Limestone/Marl
B-9182	1615-1618	5.13	*BULK 90% <u>Claystone</u> , dark olive grey-dark brownish grey, silty 10% <u>Limestone/Marl</u> , white, reddish brown Sm.am. Claystone (light olive grey)



# Lithology and Total Organic Carbon measurements

TABLE NO.:  
WELL NO.: 6407/9-1

Sample	Depth (m)	TOC	Lithology
B-9183	1618-1621	5.48	*BULK 40% <u>Claystone</u> , dark olive grey-dark brownish grey, silty 30% <u>Sand</u> 30% <u>Claystone</u> , medium grey-light olive grey, silty
B-9184	1683-1735	0.98	*BULK 100% <u>Claystone</u> , light (olive) grey, silty, sandy, grading into Marl, very brittle
B-9185	1735-86	0.66	*BULK 100% <u>Marl</u> , light (olive) grey
B-9186	1786-95	0.86	*BULK 100% <u>Marl</u> , light (olive) grey
B-9187	1795-1804	1.18	*BULK 100% <u>Claystone</u> , light olive grey-olive grey, silty, very brittle
B-9188	1804-1813	1.42	*BULK 100% <u>Claystone</u> , light olive grey-olive grey, silty, very brittle
B-9189	1813-1861	0.67	*BULK 70% <u>Claystone</u> , light olive grey, very silty, very brittle 30% <u>Sand</u>
B-9190	1861-1915	0.81	*BULK 50% <u>Claystone</u> , light olive grey, very silty, very brittle 50% <u>Sand</u>





# Lithology and Total Organic Carbon measurements

TABLE NO.:  
WELL NO.: 6407/9-1

Sample	Depth (m)	TOC	Lithology
B-9191	1915-1924	1.08	*BULK 90% <u>Claystone</u> , light olive grey, very silty, very brittle 10% <u>Sand</u> Sm.am. Coal
B-9192	1924-1933	0.71	*BULK 60% <u>Sand</u> 40% <u>Claystone</u> , light olive grey-white, silty, brittle
B-9193	1933-1942	1.01	*BULK 90% <u>Claystone</u> , light olive grey, silty, brittle 10% <u>Sand</u>
B-9194	1942-1951	1.02	*BULK 100% <u>Claystone</u> , light olive grey, silty, brittle
B-9195	1951-1960	1.16	*BULK 100% <u>Claystone</u> , light olive grey, silty, brittle
B-9196	1960-1969	1.56	*BULK 100% <u>Claystone</u> , light olive grey, silty, brittle
B-9197	1969-2014	0.75	*BULK 90% <u>Claystone</u> , very light olive grey, silty, sandy, brittle, ?drilling fluid deposits 10% <u>Sand</u>



# Lithology and Total Organic Carbon measurements

TABLE NO.:  
WELL NO.: 6407/9-1

Sample	Depth (m)	TOC	Lithology
B-9198	2014-2056	1.03	*BULK 90% <u>Claystone</u> , very light olive grey, silty, sandy, brittle, ?drilling fluid deposits 10% <u>Sand</u> Sm.am. Coal
B-9199	2056-2095	1.93	*BULK 90% <u>Claystone</u> , very light olive grey, silty, sandy, brittle, ?drilling fluid deposits 10% <u>Sand</u> Sm.am. Coal
B-9200	2095-2134	2.31	*BULK 90% <u>Claystone</u> , very light olive grey, silty, sandy, brittle, ?drilling fluid deposits 10% <u>Sand</u> Sm.am. Coal
B-9201	2134-2143	2.54	*BULK 90% <u>Claystone</u> , ?drilling fluid deposits, light olive grey, silty, very brittle, containing coal fragments 10% <u>Coal</u>
B-9202	2143-2152	4.63	*BULK 70% <u>Claystone</u> , ?drilling fluid deposits, light olive grey, silty, very brittle, containing coal fragments 30% <u>Coal</u>



# Lithology and Total Organic Carbon measurements

TABLE NO.:  
WELL NO.: 6407/9-1

Sample	Depth (m)	TOC	Lithology
B-9203	2152-2161	9.66	*BULK 40% <u>Sand</u> 30% <u>Claystone</u> , ?drilling fluid deposits, light olive grey, silty, very brittle, containing coal fragments 30% <u>Coal</u>
B-9204	2161-2173	5.86	*BULK 90% <u>Sand/Sandstone</u> 10% <u>Coal</u>
B-9205	2173-2182	1.46	*BULK 100% Sand/Sandstone Sm.am. Coal; Claystone
B-9206	2182-2194	2.15	*BULK 90% <u>Sand</u> 10% <u>Coal</u> Sm.am. Claystone
B-9207	2194-2203	6.14	*BULK 80% <u>Sand</u> 20% <u>Coal</u>
B-9208	2203-2212	6.06	*BULK 80% <u>Sand</u> 20% <u>Coal</u>
B-9209	2212-2221	12.04	*BULK 40% <u>Claystone</u> , ?drilling fluid deposits, light olive grey, containing coal fragments 30% <u>Sand</u> 30% <u>Coal</u>



# Lithology and Total Organic Carbon measurements

TABLE NO.:  
WELL NO.: 6407/9-1

Sample	Depth (m)	TOC	Lithology
B-9210	2221-2230	23.78	*BULK 70% <u>Coal</u> , black-greyish black, partly grading to carbonaceous Claystone 20% <u>Sand</u> 10% <u>Claystone</u> , medium grey-brownish grey
B-9211	2230-2239	28.49	*BULK 40% <u>Coal</u> , black-greyish black, partly grading to carbonaceous Claystone 40% <u>Sand</u> 20% <u>Claystone</u> , medium grey-brownish grey
B-9212	2239-2251	2.79	*BULK 100% <u>Sand</u> Sm.am. Coal; Claystone
B-9213	2251-2260	2.73	*BULK 90% <u>Claystone</u> , ?drilling fluid deposits, light olive grey, containing coal fragments 10% <u>Coal</u>
B-9214	2260-2269	10.00	*BULK 70% <u>Claystone</u> , ?drilling fluid deposits, light olive grey, containing coal fragments 20% <u>Coal</u> 10% <u>Claystone</u> , medium grey-brownish grey
B-9215	2269-2278	6.26	*BULK 40% <u>Sand</u> 30% <u>Coal</u> 20% <u>Claystone</u> , medium grey-brownish grey 10% <u>Claystone</u> , ?drilling fluid deposits, light olive grey, containing coal fragments



# Lithology and Total Organic Carbon measurements

TABLE NO.:  
WELL NO.: 6407/9-1

Sample	Depth (m)	TOC	Lithology
B-9216	2278-2287	4.63	*BULK 80% <u>Claystone</u> , ?drilling fluid deposits, light olive grey, containing coal fragments 10% <u>Coal</u> 10% <u>Sand</u> Sm.am. Claystone (medium grey-brownish)
B-9217	2287-2296	14.13	*BULK 50% <u>Claystone</u> , medium grey-brownish grey 30% <u>Coal</u> 20% <u>Claystone</u> , ?drilling fluid deposits, light olive grey, containing coal fragments
B-9218	2296-2305	21.00	*BULK 40% <u>Claystone</u> , medium (dark) grey-(dark) brownish grey 40% <u>Coal</u> 10% <u>Sand</u> 10% <u>Claystone</u> , ?drilling fluid deposits, light olive grey, containing coal fragments
B-9219	2305-2314	16.32	*BULK 60% <u>Coal</u> 20% <u>Claystone</u> , ?drilling fluid deposits, light olive grey, containing coal fragments 10% <u>Sand</u> 10% <u>Claystone</u> , medium grey-brownish grey
B-9220	2314-2323	25.29	*BULK 50% <u>Coal</u> , partly grading into carbonaceous Claystone 40% <u>Claystone</u> , medium grey-brownish grey 10% <u>Claystone</u> , ?drilling fluid deposits, light olive grey, containing coal fragments



# Lithology and Total Organic Carbon measurements

TABLE NO.:  
WELL NO.: 6407/9-1

Sample	Depth (m)	TOC	Lithology
B-9221	2323-2332	12.86	*BULK 60% <u>Claystone</u> , ?drilling fluid deposits, light olive grey, containing coal fragments 30% <u>Coal</u> 10% <u>Claystone</u> , medium grey-brownish grey
B-9222	2332-2341	2.54	*BULK 90% <u>Claystone</u> , ?drilling fluid deposits, light olive grey, containing coal fragments 10% <u>Coal</u> Sm.am. <u>Claystone</u> , (medium grey-brownish grey)
B-9223	2341-2350	1.38	*BULK 100% <u>Claystone</u> , ?drilling fluid deposits, light olive grey, containing coal fragments Sm.am. <u>Coal</u>
B-9224	2350-2359	1.90	*BULK 40% <u>Sand</u> 30% <u>Claystone</u> , ?drilling fluid deposits, light olive grey, containing coal fragments 20% <u>Coal</u> 10% <u>Claystone</u> , medium grey-brownish grey
B-9225	2359-2404	2.51	*BULK 70% <u>Sand</u> 20% <u>Claystone</u> , medium grey-brownish 10% <u>Coal</u> Sm.am. <u>Claystone</u> (greenish grey-greyish red)



# Lithology and Total Organic Carbon measurements

TABLE NO.:  
WELL NO.: 6407/9-1

Sample	Depth (m)	TOC	Lithology
B-9226	2404-2450	0.68	*BULK 80% <u>Claystone</u> , varicoloured, greyish red, greenish grey, olive grey, brownish grey 20% <u>Sand</u> Sm.am. Coal
B-9227	2450-2500	0.19	*BULK 90% <u>Claystone</u> , varicoloured, greyish red, greenish grey, olive grey, brownish grey 10% <u>Sand</u> Sm.am. Coal



# Lithology and Total Organic Carbon measurements

TABLE NO.:  
WELL NO.: 6407/9-1

Sample	Depth (m)	TOC	Lithology
SWC			
B-9228	1591.5	9.49	<u>Claystone</u> , dark brownish grey-dark olive grey, silty
B-9229	1596.5	7.44	<u>Claystone</u> , dark brownish grey-dark olive grey, silty
B-9230	1599.0	8.87	<u>Claystone</u> , dark brownish grey-dark olive grey, silty
B-9231	1600.5	7.27	<u>Claystone</u> , dark brownish grey-dark olive grey, silty
B-9232	1602.0	6.70	<u>Claystone</u> , dark brownish grey-dark olive grey, silty
B-9233	1603.0	6.89	<u>Claystone</u> , dark brownish grey-dark olive grey, silty
B-9234	1606.0	7.44	<u>Claystone</u> , dark brownish grey-dark olive grey, silty
B-9235	1609.0	6.15	<u>Claystone</u> , dark brownish grey-dark olive grey, silty
CORE			
B-9236	1673.5	7.06	<u>Claystone</u> , dark grey-dark brownish grey, silty, very micaceous
B-9237	1674.7	8.33	<u>Claystone</u> , dark grey-dark brownish grey, silty, very micaceous





TABLE 9.

DATA FROM ROCK EVAL PYROLYSIS

I	I	I	I	I	I	I	I	I	I	I	I
I	IKU	DEPTH	S1	S2	S3	TOC	HYDR. INDEX	OXYGEN INDEX	PETROLEUM POTENTIAL	PROD. INDEX	TEMP. MAX
I	No.								S1		
I		m/ft	( mg/g ROCK )	( % )	( mg/g TOC )		S1+S2	S1+S2		(C)	
I											
I	B 9148	450	0.13	0.10	0.77	0.49	20	157	0.23	0.57	425
I											
I	B 9149	500	0.16	0.12	0.63	0.55	22	115	0.28	0.57	390
I											
I	B 9150	540	0.12	0.11	0.54	0.43	26	126	0.23	0.52	376
I											
I	B 9151	550	0.13	0.06	0.55	0.43	14	128	0.19	0.68	310
I											
I	B 6152	600	0.15	0.05	0.46	0.38	13	121	0.20	0.75	311
I											
I	B 9153	600	0.12	0.09	0.44	0.36	25	122	0.21	0.57	342
I											
I	B 9154	650	0.11	0.04	0.29	0.34	12	85	0.15	0.73	311
I											
I	B 9155	700	0.17	0.00	0.04	0.19	0	21	0.17	1.00	***
I											
I	B 9156	750	0.10	0.00	0.00	0.00	0	0	0.10	1.00	***
I											
I	B 9157	790	0.06	0.09	0.36	0.49	18	73	0.15	0.40	343
I											
I	B 9158	850	0.22	0.19	1.81	0.87	22	208	0.41	0.54	412
I											
I	B 9159	900	0.25	1.16	2.62	2.10	55	125	1.41	0.18	423
I											
I	B 9160	950	0.30	1.15	2.51	2.24	51	112	1.45	0.21	422
I											
I	B 9161	1000	0.31	0.63	1.84	1.31	48	140	0.94	0.33	416
I											
I	B 9162	1050	0.20	0.44	1.01	1.07	41	94	0.64	0.31	415
I											
I	B 9163	1100	0.24	0.78	0.94	1.02	76	92	1.02	0.24	468
I											
I	B 9164	1150	0.16	0.46	1.58	0.86	53	184	0.62	0.26	493
I											
I	B 9165	1200	0.32	0.49	1.50	0.80	61	188	0.81	0.40	479
I											
I	B 9166	1250	0.14	0.56	1.47	1.05	53	140	0.70	0.20	417
I											
I	B 9167	1300	0.25	1.14	0.91	1.32	86	69	1.39	0.18	417
I											
I	B 9168	1348	0.13	0.11	1.35	0.55	20	245	0.24	0.54	424
I											
I	B 9169	1399	0.24	0.37	1.17	0.98	38	119	0.61	0.39	419
I											
I	B 9170	1450	0.13	0.18	1.05	0.62	29	169	0.31	0.42	414
I											



TABLE 9.

DATA FROM ROCK EVAL PYROLYSIS

I	I	I	:	:	:	:	:	:	:	:	:	I
I	IKU	DEPTH	:	S1	S2	S3	TOC	HYDR. INDEX	OXYGEN INDEX	PETROLEUM POTENTIAL	PROD. INDEX	TEMP. MAX
I	No.		:				(%)	( mg/g TOC )		S1+S2	S1+S2	(C)
I		m/ft	:	( mg/g ROCK )								
I			:									I
I	B 9171	1477	:	0.10	0.12	1.49	0.89	13	167	0.22	0.45	418
I			:									I
I	B 9172	1528	:	0.22	0.32	1.37	1.43	22	96	0.54	0.41	421
I			:									I
I	B 9173	1558	:	0.14	0.30	1.21	1.15	26	105	0.44	0.32	424
I			:									I
I	B 9174	1588	:	0.18	0.18	2.00	0.74	24	270	0.36	0.50	419
I			:									I
I	B 9175	1591	:	0.42	15.10	1.93	4.83	313	40	15.52	0.03	421
I			:									I
I	B 9176	1594	:	0.42	11.93	1.53	4.51	265	34	12.35	0.03	417
I			:									I
I	B 9177	1600	:	0.68	17.67	1.48	5.94	297	25	18.35	0.04	411
I			:									I
I	B 9178	1606	:	0.47	12.45	1.63	4.69	265	35	12.92	0.04	414
I			:									I
I	B 9179	1609	:	0.67	18.36	1.91	5.68	323	34	19.03	0.04	411
I			:									I
I	B 9180	1612	:	0.65	16.91	1.76	5.29	320	33	17.56	0.04	411
I			:									I
I	B 9181	1615	:	0.62	17.82	2.06	5.31	336	39	18.44	0.03	412
I			:									I
I	B 9182	1618	:	0.88	16.00	1.98	5.13	312	39	16.88	0.05	415
I			:									I
I	B 9183	1621	:	0.56	11.26	1.54	5.48	205	28	11.82	0.05	415
I			:									I
I	B 9184	1735	:	0.18	0.28	1.74	0.98	29	178	0.46	0.39	418
I			:									I
I	B 9185	1786	:	0.22	0.17	1.33	0.66	26	202	0.39	0.56	411
I			:									I
I	B 9186	1795	:	0.20	0.30	1.63	0.86	35	190	0.50	0.40	420
I			:									I
I	B 9187	1804	:	0.24	0.42	2.11	1.18	36	179	0.66	0.36	424
I			:									I
I	B 9188	1813	:	0.17	1.18	2.74	1.42	83	193	1.35	0.13	438
I			:									I
I	B 9189	1861	:	0.21	0.33	2.05	0.67	49	306	0.54	0.39	430
I			:									I
I	B 9190	1915	:	0.12	0.30	1.57	0.81	37	194	0.42	0.29	432
I			:									I
I	B 9191	1924	:	0.23	1.21	2.63	1.08	112	244	1.44	0.16	429
I			:									I
I	B 9192	1933	:	0.22	0.61	1.90	0.71	86	268	0.83	0.27	430
I			:									I
I	B 9193	1942	:	0.21	0.70	2.85	1.01	69	282	0.91	0.23	433
I			:									I



TABLE 9.

DATA FROM ROCK EVAL PYROLYSIS

IKU No.	DEPTH m/ft	S1 ( mg/g ROCK )	S2 ( mg/g ROCK )	S3 ( mg/g ROCK )	TOC ( % )	HYDR. INDEX ( mg/g TOC )	OXYGEN INDEX	PETROLEUM POTENTIAL S1+S2	PROD. INDEX S1+S2	TEMP. MAX ( C )
I B 9217	2296	0.50	26.70	2.39	14.13	189	17	27.20	0.02	425
I B 9218	2305	0.68	44.60	2.50	21.00	212	12	45.48	0.02	423
I B 9219	2314	0.45	29.74	3.06	16.32	182	19	30.19	0.01	430
I B 9220	2323	0.81	44.42	2.21	25.39	175	9	45.23	0.02	427
I B 9221	2332	0.42	19.45	2.93	12.86	151	23	19.87	0.02	429
I B 9222	2341	0.19	3.49	4.66	2.54	137	183	3.68	0.05	434
I B 9223	2350	0.08	1.48	5.35	1.38	107	388	1.56	0.05	512
I B 9224	2359	0.14	2.07	2.34	1.90	109	123	2.21	0.06	471
I B 9225	2404	0.13	2.05	1.05	2.51	82	42	2.18	0.06	438
I B 9226	2450	0.06	0.25	0.58	0.68	37	85	0.31	0.19	468
I B 9227	2500	0.04	0.04	0.58	0.19	21	305	0.08	0.50	373
I B 9228	1591.50	1.63	48.18	2.15	9.49	508	23	49.81	0.03	415
I B 9229	1596.50	3.26	27.65	1.32	7.44	372	18	30.91	0.11	404
I B 9230	1599	2.69	40.92	1.55	8.87	461	17	43.61	0.06	409
I B 9231	1600.50	2.05	25.98	1.41	7.27	357	19	28.03	0.07	410
I B 9232	1602	1.34	25.18	1.42	6.70	376	21	26.52	0.05	414
I B 9233	1603	1.30	23.10	1.79	6.89	335	26	24.40	0.05	411
I B 9234	1606	1.68	26.64	1.28	7.44	358	17	28.32	0.06	407
I B 9235	1609	1.40	22.49	1.37	6.15	366	22	23.89	0.06	409
I B 9236	1673.50	0.87	15.80	1.29	7.06	224	18	16.67	0.05	413
I B 9237	1674.70	1.07	18.64	1.67	8.33	224	20	19.71	0.05	413

DATE : 14 - 1 - 85.



TABLE 9.

DATA FROM ROCK EVAL PYROLYSIS

I											
I	IKU	DEPTH	S1	S2	S3	TOC	HYDR. INDEX	OXYGEN INDEX	PETROLEUM POTENTIAL	PROD. INDEX	TEMP. MAX
I	No.					(%)	( mg/g TOC )			S1	(C)
I		m/ft	( mg/g ROCK )							S1+S2	
I										S1+S2	
I											
I	B 9194	1951	0.08	0.92	2.97	1.02	90	291	1.00	0.08	434
I											
I	B 9195	1960	0.19	1.89	3.08	1.16	163	266	2.08	0.09	432
I											
I	B 9196	1969	0.23	3.73	2.76	1.56	239	177	3.96	0.06	428
I											
I	B 9197	2014	0.12	0.53	1.79	0.75	71	239	0.65	0.18	432
I											
I	B 9198	2056	0.21	1.12	2.58	1.03	109	250	1.33	0.16	432
I											
I	B 9199	2095	0.17	1.55	4.20	1.93	80	218	1.72	0.10	432
I											
I	B 9200	2134	0.23	4.43	3.25	2.31	192	141	4.66	0.05	428
I											
I	B 9201	2143	0.22	2.99	3.35	2.54	118	132	3.21	0.07	433
I											
I	B 9202	2152	0.19	4.52	2.64	4.63	98	57	4.71	0.04	438
I											
I	B 9203	2161	0.31	11.96	2.25	9.66	124	23	12.27	0.03	429
I											
I	B 9204	2173	0.19	7.25	1.16	5.86	124	20	7.44	0.03	428
I											
I	B 9205	2182	0.14	0.61	0.61	1.46	42	42	0.75	0.19	447
I											
I	B 9206	2194	0.08	0.68	1.13	2.15	32	53	0.76	0.11	446
I											
I	B 9207	2203	0.65	18.60	0.79	6.14	303	13	19.25	0.03	418
I											
I	B 9208	2212	0.53	14.90	0.79	6.06	246	13	15.43	0.03	416
I											
I	B 9209	2221	0.94	28.18	2.32	12.04	234	19	29.12	0.03	423
I											
I	B 9210	2230	1.27	54.85	2.51	23.78	231	11	56.12	0.02	423
I											
I	B 9211	2239	1.70	65.00	3.25	28.49	228	11	66.70	0.03	422
I											
I	B 9212	2251	0.19	4.55	0.61	2.79	163	22	4.74	0.04	427
I											
I	B 9213	2260	0.15	2.99	2.84	2.73	110	104	3.14	0.05	438
I											
I	B 9214	2269	0.62	15.36	3.64	10.00	154	36	15.98	0.04	429
I											
I	B 9215	2278	0.32	10.05	1.85	6.26	161	30	10.37	0.03	429
I											
I	B 9216	2287	0.25	4.37	5.27	4.63	94	114	4.62	0.05	436
I											