

Denne rapport
tilhører

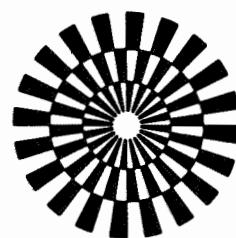


L&U DOK. SENTER

L. NR. 12483370058

KODE Well 34/10-15 nr. 10

Returneres etter bruk



GECO
GEOPHYSICAL COMPANY
OF NORWAY A-S



STATOIL

ROUTINE CORE ANALYSIS

WELL: 34/10-15

AUGUST 1983



ROUTINE CORE ANALYSIS

COMMENTS

Core analysis performed on core no. 1-10.

Selected intervals frozen:

Core no. 1 :	1870 - 1888	(rec. 50%),	entire core
Core no. 2 :	1888 - 1900	(rec. 75%),	entire core
Core no. 3 :	1900 - 1917	(rec. 34%),	entire core
Core no. 4 :	1917 - 1935	(rec. 63%),	entire core
Core no. 5 :	1935 - 1944	(rec. 62%),	entire core
Core no. 6 :	2170 - 2187.5	(rec. 98%),	entire core
Core no. 7 :	2187.5 - 2201	(rec. 91%),	entire core

Selected intervals unfrozen:

Core no. 8 :	2201 - 2213	(rec. 86.7%),	entire core
Core no. 9 :	2301 - 2316	(rec. 90%),	entire core
Core no. 10 :	2316.5 - 2323	(rec. 85%),	entire core

The frozen technique is based on freezing the core and drilling the plugs with liquid nitrogen. The plugs are mounted in a special core holder and thereafter allowed to thaw.

Porosity is measured by injection of brine (same composition as 34/10 - field formation water).

Permeability is measured using nitrogen gas. (Standard air permeability and then empirically converted to liquid permeability.)

The unfrozen part of the cores were measured as routine core analysis, which means that helium gas was used for helium porosity and N₂ for air permeability.

Abbreviations:

n.p.p.	- no plug possible
n.h.p.p.	- no horizontal plug possible
n.v.p.p.	- no vertical plug possible
n.m.p.	- no measurement possible

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 COMPANY : STATOIL
 WELL : 34/10-15
 FIELD : 34/10
 STATE : NORWAY

CORE NO.: 2

DATE: AUGUST 1983

Plug No.	Depth (meter)	Permeability (mD), horizontal K _a	Permeability (mD), vertical K ₁	K _a	K ₁	Porosity (%) Brine Sum	Grain dens. g/cc	Formation Description
15 97	1888.20	0.021	0.01	0.014	0.01	2.2	2.69	Sst.Gry.VF-gr.Sbrndd.P-cmt.W-srt.w/Mic.
17 98	1888.50	1554	1504	583	553	38.0	2.66	A.A.
18 99	1888.80	774	734	58	50	35.0	2.63	A.A.
19 100	1889.00	1.3	0.91	nmp	22.5	/	2.66	Sltst.Gry.P-cmt.w/Calc.Mic.
101	1889.30	45	38	nmp	26.2	/	2.68	A.A.
102	1889.65	104	93	nmp	33.1	/	2.65	A.A.
103	1889.90	41	35	nmp	31.6	/	2.72	Sst.Lt-gry.VF-gr.Sbrndd.P-cmt.w/Calc.Mic.
104	1890.20	58	50	2.3	1.8	29.0	2.67	A.A.W-srt.
105	1890.50	533	503	28	23	38.6	2.66	A.A.F-gr.fis.
106	1891.75	185	165	52	44	26.0	2.64	A.A.
107	1892.05	272	252	nmp	35.5	/	2.66	A.A.
108	1892.35	18.9	16.8	20	16	26.0	2.62	Sltst.Gry.P-cmt.fis.w/Mic.
109	1892.65	69	65	nmp	24.4	/	2.68	Sst.Gry.F-gr.Sbrndd.Fr-cmt.Cl-lam.w/Mic.
110	1893.00	1.6	1.2	nmp	10.5	/	2.70	Sst.Lt-gry.F-gr.Sbrndd.VW-cmt.Calc.w/Mic.
111	1893.35	21	19	nmp	29.7	/	2.72	Sst.Gry.F-gr.Sbrndd.Fr-cmt.Cl-lam.w/Calc.
112	1893.65	46	43	nmp	32.3	/	2.69	A.A.W-srt.
113	1894.00	26	24	1.7	1.2	30.9	2.75	A.A.Calc.-mtrx.
114	1894.35	43	39	54	46	30.7	2.69	A.A.
115	1894.60	4.6	3.8	37	31	32.1	2.72	A.A.
116	1894.90	0.05	0.04	0.016	0.01	3.8	2.72	Sst.Gry.F-gr.Sbrndd.Fr-cmt.Cl-lam.w/Mic.
117	1895.25	48	44	nmp	29.8	/	2.68	A.A.W-srt.
118	1895.60	452	437	nmp	36.0	/	2.67	A.A.fis.
119	1895.90	145	137	1.5	1.0	33.6	2.70	A.A.VP-cmt.w/o Cl.
120	1896.15	59	51	nmp	28.0	/	2.72	A.A.VF-gr.W-cmt.w/o Calc.w/Cl.
121	1896.45	4.5	3.3	nmp	21.7	/	2.67	A.A.
122	1896.80	25	21	nmp	24.8	/	2.67	
	1900.00							



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COMPANY :		STATOIL		PAGE: 1	
WELL :	34/10-15	FIELD :	34/10	CORE NO.:	3
STATE :	NORWAY <th data-cs="4" data-kind="parent">DATE: AUGUST 1983</th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>	DATE: AUGUST 1983			
Plug No.	Depth (meter)	Permeability (mD), horizontal K _a	Permeability (mD), vertical K ₁	Brine Sum	Formation Description
			K _a	K ₁	
123	1900.00	6812	6712	nvpp	Slst.Gry.Fr-cmt.w/Mic.Calc.
124	1900.05	nmp	nmp	36.5	A.A. Lt-gry-fis.w/o Calc.
125	1900.95	nmp	nmp		A.A.
126	1901.30	nmp	nmp		A.A.
127	1901.70	nmp	nmp		A.A.
128	1902.05	nmp	nmp		A.A.
129	1902.35	nmp	nmp		A.A.
130	1902.60	822	782	289	Sd.Gry.F-gr.w/Mic.
131	1903.00	851	811	32.6	Sst.Lt-gry.F-gr.Sbrndd.P-cmt.w/Calc.C.C1.
132	1903.30	nmp	0.13	28.8	2.73
133	1903.60	21	17	0.1	2.72
134	1903.95	514	474	21.6	Slst.Gry.Fr-cmt.fis.w/Mic.
135	1904.30	nmp	nmp	33.1	A.A. Sd-lam.
	1905.65	nmp	nmp	2.60	A.A.w/C.
	1917.00				A.A.fis.
					A.A.

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STATOIL

COMPANY :

WELL :

34/10-15

FIELD :

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NORWAY

CORE NO.: 4

DATE: AUGUST 1983

Plug No.	Depth (meter)	Permeability (mD), horizontal K _a	Permeability (mD), vertical K ₁	K _a	K ₁	Porosity (%) Brine Sum	Grain dens. g/cc	Formation Description
136	1917.00	4.7	3.5	8.5	6.5	28.7	2.68	Sltst.Lt-gry.Fr-cmt.w/Mic.Calc.Sd-gr.
137	1917.35	16	13	314	284	31.7	2.67	A.A.
138	1917.70	4.7	3.5	4.5	3.3	27.4	2.65	A.A.
139	1918.00	13	10	2.6	1.9	30.7	2.66	A.A.
140	1918.30	16	13	2.1	1.5	31.0	2.65	A.A.
141	1918.65	14	11	2.4	1.7	29.5	2.65	A.A.
142	1919.00	8.1	6.2	2.3	1.6	31.1	2.66	A.A.
143	1919.40	1.4	1.0	3.0	2.5	25.7	2.66	A.A.
144	1919.70	0.028	0.02	0.048	0.1	7.5	2.73	Sst.Lt-gry.VF-gr.Sbrndd.VW-cmt.Calc.
145	1920.85	3.9	2.9	10.0	8.8	29.8	2.66	Sltst.Lt-gry.Fr-cmt.w/Mic.Sd-gr.Calc.
146	1921.40	0.64	0.42	1.8	1.4	24.6	2.64	A.A.
147	1921.70	0.90	0.60	0.84	0.65	26.8	2.66	A.A.
148	1922.05	0.46	0.29	0.40	0.30	20.4	2.67	A.A. fis.
149	1922.40	1.8	1.4	2.4	2.0	27.6	2.67	A.A.w/o fis.
150	1922.70	0.37	0.28	1.6	1.3	25.0	2.67	A.A.
151	1923.05	3.3	2.8	0.55	0.42	27.6	2.67	A.A.
152	1923.40	1.03	0.80	nvpp		29.7	2.87	A.A.Lt-brn.fis.w/Sid.
153	1923.70	0.92	0.71	1.6	1.3	26.3	2.67	Sltst.Lt-gry.Fr-cmt.w/Mic.Calc.Sd-gr.
154	1924.00	2.5	2.1	1.9	1.5	28.8	2.65	A.A.
155	1924.40	0.87	0.67	1.1	0.86	25.4	2.67	A.A.
156	1924.70	2.5	1.9	0.7	0.5	26.8	2.65	A.A.
157	1925.00	0.97	0.76	0.35	0.27	26.7	2.65	A.A. fis.
158	1925.75	8.5	7.4	2.2	1.7	28.7	2.74	A.A.w/o fis.
159	1926.05	10.5	9.3	0.68	0.53	29.2	2.68	A.A.
160	1926.30	1.4	1.1	0.87	0.68	26.0	2.65	A.A.
161	1926.50	1.9	1.5	2.3	1.8	26.6	2.67	A.A.
162	1926.80	5.8	5.0	9.0	7.9	30.8	2.67	A.A.
163	1927.80	26.4	23.9	1.7	1.3	32.4	2.68	A.A.
	1935.00							



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COMPANY : STATOIL
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Plug No.	Depth (meter)	Permeability (mD),			Porosity (%) Brine Sum	Grain dens. g/cc	Formation Description
		K _a	K ₁	K _a K ₁			
164	1935.05	0.077	0.06	0.064	0.05	7.9	Sst.Lt-gry.VF-gr.Sbrndd.VW-cmt.Calc.w/C
165	1935.40	0.021	0.02	0.022	0.02	4.4	A.A.VW-srt.
166	1935.70	0.027	0.02	0.02	0.01	5.4	A.A.
167	1936.00	0.022	0.02	0.087	0.06	5.0	A.A.
168	1936.35	0.035	0.03	0.028	0.02	6.7	A.A.
169	1936.70	0.128	0.16	30.2	27.4	13.7	A.A.
170	1938.15	10.7	9.5	0.54	0.42	30.5	Sltst.Lt-gry.Fr-cmt.w/Mic.Calc.Sd-gr.
171	1938.70	104	97	13	11	33.8	Sst.Lt-gry.VF-gr.Sbrndd.Fr-cmt.w/Mic.Cl.
172	1939.00	20.2	18.2	nvpp	31.3	2.66	A.A.VW-srt.w/Calc.
173	1939.35	24.3	22.1	nmp	33.5	2.66	A.A.fis.
174	1939.70	3.8	3.2	0.65	0.50	2.65	A.A.w/o fis.
175	1940.00	62	58	6.5	5.7	34.6	A.A.fis.
176	1940.35	4.4	3.8	nmp	29.4	2.73	A.A.
177	1940.60	0.01	<0.01	0.019	0.01	3.8	A.A.VW-cmt.Calc-mtrx.
	1944.00					2.68	



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Plug No.	Depth (meter)	Permeability (mD),				Porosity (%)	Grain dens.	Formation Description
		K _h	K _v	K _a	K _l			
1178	2170.00	nmp	nmp	0.086	0.06	nmp	Sltst.Lt-gry.Fr-cmt.fis.w/Mic.Calc.	
1179	2170.05	nmp	nmp	nmp	0.076	0.06	A.A.	
1180	2170.40	nmp	nmp	nmp	0.23	0.17	A.A.	
1181	2171.05	nmp	nmp	nmp	0.23	0.17	A.A.	
1182	2171.40	0.71	0.55	nmp	0.23	0.17	A.A.w/o fis.	
1183	2171.75	nmp	nmp	nmp	0.33	0.25	A.A.w/o fis.	
1184	2172.05	nmp	nmp	nmp	0.33	0.25	A.A.w/o fis.	
1185	2172.40	nmp	nmp	nmp	0.14	0.11	A.A.w/o fis.	
1186	2172.75	2.8	2.3	0.61	0.47	0.16	A.A.w/o fis.	
1187	2173.05	0.61	0.47	0.37	0.28	0.46	A.A.w/o fis.	
1188	2173.40	nmp	nmp	0.63	0.49	nmp	A.A.w/o fis.	
1189	2173.75	0.37	0.28	0.46	0.35	0.35	A.A.w/o fis.	
1190	2174.05	0.24	0.18	0.24	0.18	2.2	2.2	2.66
1191	2174.40	0.070	0.05	0.070	0.05	0.064	0.05	2.66
1192	2174.75	0.162	0.12	0.162	0.12	0.60	0.46	2.69
1193	2175.05	0.042	0.03	0.042	0.03	0.51	0.40	2.69
1194	2175.45	0.32	0.24	0.32	0.24	0.52	0.40	2.66
1195	2175.75	0.48	0.37	0.48	0.37	0.99	0.77	2.67
1196	2176.05	0.50	0.38	0.50	0.38	0.85	0.66	2.67
1197	2176.45	1.8	1.4	1.8	1.4	0.55	0.42	2.69
1198	2176.75	1.4	1.1	1.4	1.1	0.55	0.42	2.69
1199	2177.05	0.37	0.28	0.37	0.28	0.58	0.45	2.61
1200	2177.35	1.4	1.1	1.4	1.1	0.73	0.56	2.68
1201	2177.65	nmp	nmp	nmp	1.23	0.96	2.60	2.71
1202	2178.00	0.67	0.52	nmp	nmp	nmp	25.9	2.69
1203	2178.35	1.8	1.4	2.7	2.3	2.7	25.8	2.68
1204	2178.70	2.6	2.0	1.8	1.4	1.8	25.6	2.68

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 COMPANY: STATOIL
 WELL : 34/10-15
 FIELD : 34/10
 STATE : NORWAY

CORE NO.: 7

DATE: AUGUST 1983

Plug No.	Depth (meter)	Permeability (mD), horizontal K _a	Permeability (mD), vertical K _a	K ₁	Porosity (%) Brine Sum	Grain dens. g/cc	Formation Description
230	2187.60	0.021	0.02	0.014	0.010	6.6	Sst.Lt-gry.VF-gr.Sbrndd.VW-cmt.Calc.w/Mic.
231	2187.90	0.031	0.02	0.025	0.02	8.6	A.A.VW-srt.
232	2188.25	0.24	0.18	0.53	0.41	17.0	A.A.
233	2188.60	1.21	0.94	0.49	0.38	26.4	A.A.
234	2189.00	2.4	1.9	0.65	0.50	25.4	A.A.W-cmt.w/oCalc-mtrx.w/Calc.
235	2189.30	1.3	1.0	0.53	0.41	25.3	A.A.Slt.y.
236	2189.65	0.24	0.18	0.38	0.29	25.2	A.A.
237	2190.00	1.3	1.0	0.37	0.28	25.5	A.A.
238	2190.60	1.3	1.0	0.40	0.31	23.7	A.A.
239	2191.00	0.31	0.24	1.4	1.1	24.8	A.A.
240	2191.30	0.23	0.18	0.88	0.69	24.7	A.A.
241	2191.65	0.35	0.26	0.93	0.72	23.0	A.A.
242	2192.00	0.28	0.21	1.3	1.0	23.0	A.A.
243	2192.30	0.49	0.37	0.88	0.68	23.5	A.A.
244	2192.65	1.18	0.92	nmp	36.3	2.71	A.A.Fr-cmt.
245	2193.00	1.6	1.3	1.4	1.1	22.0	A.A.W-cmt.
246	2193.30	1.26	0.99	3.2	2.7	26.7	A.A.
247	2193.65	0.55	0.42	3.6	3.0	21.1	A.A.VW-cmt.
248	2194.00	1.6	1.2	1.5	1.2	23.1	A.A.
249	2194.30	0.98	0.77	0.54	0.42	21.5	A.A.
250	2194.65	3.1	2.4	3.8	3.2	20.8	A.A.
251	2195.00	3.4	2.7	0.72	0.56	22.0	A.A.
252	2195.30	3.9	3.1	1.6	1.2	23.9	A.A.
253	2195.65	4.8	4.1	4.0	3.4	22.1	A.A.
254	2196.00	3.9	3.4	1.8	1.4	25.8	A.A.
255	2196.30	2.8	2.3	0.42	0.32	24.6	A.A.
256	2196.65	1.15	0.90	1.5	1.1	26.0	A.A.



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 WELL : 34/10-15
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 STATE : NORWAY

CORE NO.: 7 (cont.)

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Plug No.	Depth (meter)	Permeability (mD),			Brine Sum	Porosity (%)	Grain dens. g/cc	Formation Description
		K _a	K ₁	vertical K _a				
257	2197.00	2.8	2.3	2.5	2.0	22.9	2.66	A.A.
258	2197.30	4.6	4.0	0.98	0.76	23.6	2.66	A.A.
259	2197.65	0.95	0.74	2.1	1.6	25.6	2.67	A.A.
260	2198.00	0.31	0.24	0.038	0.03	22.6	2.66	A.A.
261	2198.30	0.009	0.007	0.012	0.008	11.6	2.68	A.A.
262	2198.65	19	17	0.25	0.19	5.6	2.69	A.A. VW-cmt.Calc-mtrx.
263	2199.10	nmp	nmp	1.9	1.5	nmp	22.6	2.69
264	2199.50	nmp	nmp	20.4	18.3	25.0	2.69	A.A. fis.
265	2199.80							A.A.
	2201.00							

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Plug No.	Depth (meter)	Permeability (mD),			Porosity (%) He Sum.	Pore saturation S_o	Grain dens. g/cc	Formation Description
		K _a	K ₁	K _a				
2201.00								
1	2201.05	0.88	0.59	0.196	0.12	24.9	14.1	0
2	2201.40	0.73	0.48	0.141	0.08	23.1		
3	2201.75	0.58	0.38	0.170	0.10	23.4		
4	2202.05	0.62	0.41	0.201	0.12	23.9	20.8	0
5	2202.30	0.72	0.48	0.58	0.38	25.2		
6	2202.75	0.110	0.06	0.029	0.02	12.3		
7	2203.05	3.2	2.3	0.108	0.06	24.0	21.3	0
8	2203.40	0.65	0.43	0.28	0.17	23.9		
9	2203.75	1.7	1.2	0.015	0.01	23.3		
10	2204.05	0.079	0.05	nvpp	22.9	7.6	0	33.3
11	2204.40	nmp		0.76	0.51	24.0		
12	2204.75	0.41	0.26	0.219	0.13	22.4		
13	2205.10	0.34	0.21	0.088-	0.05	21.8	18.8	0
14	2205.40	0.61	0.40	0.27	0.17	22.4		
15	2205.75	0.30	0.19	0.163	0.10	21.4		
16	2206.10	0.45	0.29	0.105	0.06	20.9	11.9	0
17	2206.50	0.27	0.17	0.101	0.06	21.0		
18	2206.80	0.30	0.19	0.077	0.04	20.7		
19	2207.15	nmp		0.001	<0.001	5.7	17.8	0
20	2207.40	0.26	0.16	0.104	0.06	18.2		
21	2207.70	nhpp		0.068	0.04	16.5		
22	2208.05	nmp		nmp		12.5	0	85.6
23	2208.35	nmp		nmp	14.4			
24	2208.80	nhpp		nmp				2.68
25	2209.10	0.54	0.35	0.115	0.07	23.2	28.6	0
26	2209.45	0.91	0.61	nmp		22.2		
27	2209.80	nmp		1.9	1.3	npp		
28	2210.10	npp				20.9	0	92.6
29	2210.35	npp						
	2213.00							



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WELL : 34/10-15

FIELD : 34/10

CORE NO.: 9

STATE : NORWAY

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Plug No.	Depth (meter)	Permeability (mD), horizontal K _a	Permeability (mD), vertical K ₁	K _a	K ₁	Porosity (%) He Sum.	Pore saturation S _o	Pore saturation S _w	Grain dens. g/cc	Formation Description
2301.00										
30	2301.10	367	337	203	183	26.9	18.8	0	35.5	Sst.lt-gry.F-gr.Sbrndd.W-cmt.w/Mic.Calc
31	2301.45	107	95	3.5	2.5	20.5				A.A.VW-srt.
32	2301.75	107	95	62	53	22.9				A.A.
33	2302.05	79	69	68	59	20.8	17.5	0	41.4	A.A.
34	2302.35	46	39	57	49	20.6				A.A.
35	2302.80	3.2	2.3	0.73	0.48	14.3				A.A.
36	2303.10	112	99	16	13	16.7	14.9	0	19.1	A.A.
37	2303.35	180	160	136	122	19.8				A.A.
38	2303.70	27	22	5.1	3.8	14.7				A.A.
39	2304.05	nmp	nmp	nmp	nmp	17.0	5.2	0	84.7	A.A.Gnsh-gry.Fr-cmt.fis.
40	2304.30	0.135	0.08	nmp	nmp	11.8				A.A.
41	2304.65	0.34	0.21	nmp	nmp	17.0				A.A.
42	2305.00	0.32	0.20	nvpp	nvpp	16.2	17.4	0	91.3	Sst.Rd.VF-gr.Sbrndd.W-cmt.ferr.w/Mic
43	2305.30	0.24	0.15	0.52	0.34	17.2				A.A.
44	2305.60	0.24	0.15	0.54	0.35	17.0				A.A.
45	2305.95	0.38	0.24	0.43	0.28	17.8	17.1	0	84.7	A.A.
46	2306.25	0.46	0.29	0.54	0.35	17.9				A.A.
47	2306.60	0.61	0.40	1.04	0.71	20.7				A.A.
48	2306.95	0.47	0.30	0.61	0.40	18.3	12.8	0	88.7	A.A.
49	2307.30	6.2	4.7	1.2	0.83	22.3				Sst.Gnsh-gry.VF-gr.Sbrndd.W-cmt.w/Mic.
50	2307.60	2.0	1.4	2.2	1.6	19.1				A.A.VW-srt.Calc.
51	2307.95	4.5	3.3	2.6	1.9	19.9	15.6	0	61.0	A.A.
52	2308.30	1.2	0.83	0.69	0.45	15.3				A.A.
53	2309.10	158	142	99	88	21.4				A.A.F-gr.
54	2309.45	235	215	98	87	25.0	13.7	0	38.4	A.A.
55	2309.75	0.56	0.36	0.021	0.01	6.5				A.A.VW-cmt.Calc-mtrx.
56	2310.05	0.38	0.24	0.033	0.02	8.5				A.A.
57	2310.35	314	284	125	112	26.6	14.4	0	73.1	A.A.Fr-cmt.w/o.Calc-mtrx.w/Calc.
58	2310.75	63	54	17	14	25.5				A.A.


FINAL REPORT

COMPANY : STATOIL
 WELL : 34/10-15
 FIELD : 34/10
 STATE : NORWAY

CORE NO.: 9 (cont.)

Plug No.	Depth (meter)	Permeability (mD), horizontal K _a	Permeability (mD), vertical K ₁	Porosity (%) He Sum.	Pore saturation S _o	Grain dens. g/cc	Formation Description
59	2311.10	220	200	184	164	27.4	A.A.
60	2312.40	0.27	0.17	0.23	0.14	19.0	A.A. Gn.w/Pyr.
61	2313.40	0.033	0.02	0.033	0.02	4.9	A.A. Gnsh-gry.VW-cmt.Calc.mtrx.
62	2313.70	0.036	0.02	0.027	0.02	4.5	A.A.
63	2314.05	0.063	0.04	0.063	0.04	6.0	A.A.
64	2314.45	123	110	nmp	27.1	21.1	A.A. P-cmt.w/o Calc-mtrx.w/Calc.
65	2314.80	335	305	313	283	28.6	A.A.
	2316.50						2.66

PAGE: 2

DATE: AUGUST 1983



FINAL REPORT

COMPANY :	STATOIL			PAGE:	1
WELL :	34/10-15			DATE:	AUGUST 1983
FIELD :	34/10			CORE NO.:	10
STATE :	NORWAY				
Plug No.	Depth (meter)	Permeability horizontal K _a	Permeability vertical K ₁	Porosity (%) He Sum.	Pore saturation S _o S _w
66	2316.70	1078	1028	1079	28.4 16.6 0
67	2316.95	551	521	28 29.0	64.3 2.66
68	2317.35	326	296	195 27.4	2.66 A.A. W-srt.Calc.
69	2317.65	339	309	276 28.4	2.67 A.A.
70	2318.05	418	388	342 312	2.67 A.A.
71	2318.35	955	915	853 813	2.69 A.A.
72	2318.80	951	911	940 27.9	2.62 A.A.
73	2319.25	217	197	582 552	2.62 A.A.
74	2319.75	516	486	671 641	2.65 A.A.
75	2319.95	48	41	35 29	22.8 20.0 0
76	2320.30	0.034	0.02	0.030 0.02	38.2 2.67
77	2320.65	31	26	9.4 7.3	2.67 A.A. Lt-gry.F/M-gr.W-srt.
78	2321.05	37	31	18 15	11.3 0 33.2 2.68
79	2321.40	64	55	125 112	16.9 3.6 2.67 A.A.
80	2321.75	0.031	0.02	0.017 0.01	2.68 A.A. VF-gr.
	2323.00				

GEOPHYSICAL COMPANY
OF NORWAY AS
Petroleum laboratory

COMPANY: STATOIL

FIELD: 34/10

FILE:

WELL: 34/10-15

COUNTY:

DATE: AUG 1983

LOCATION:

STATE: NORWAY

ELEV.:



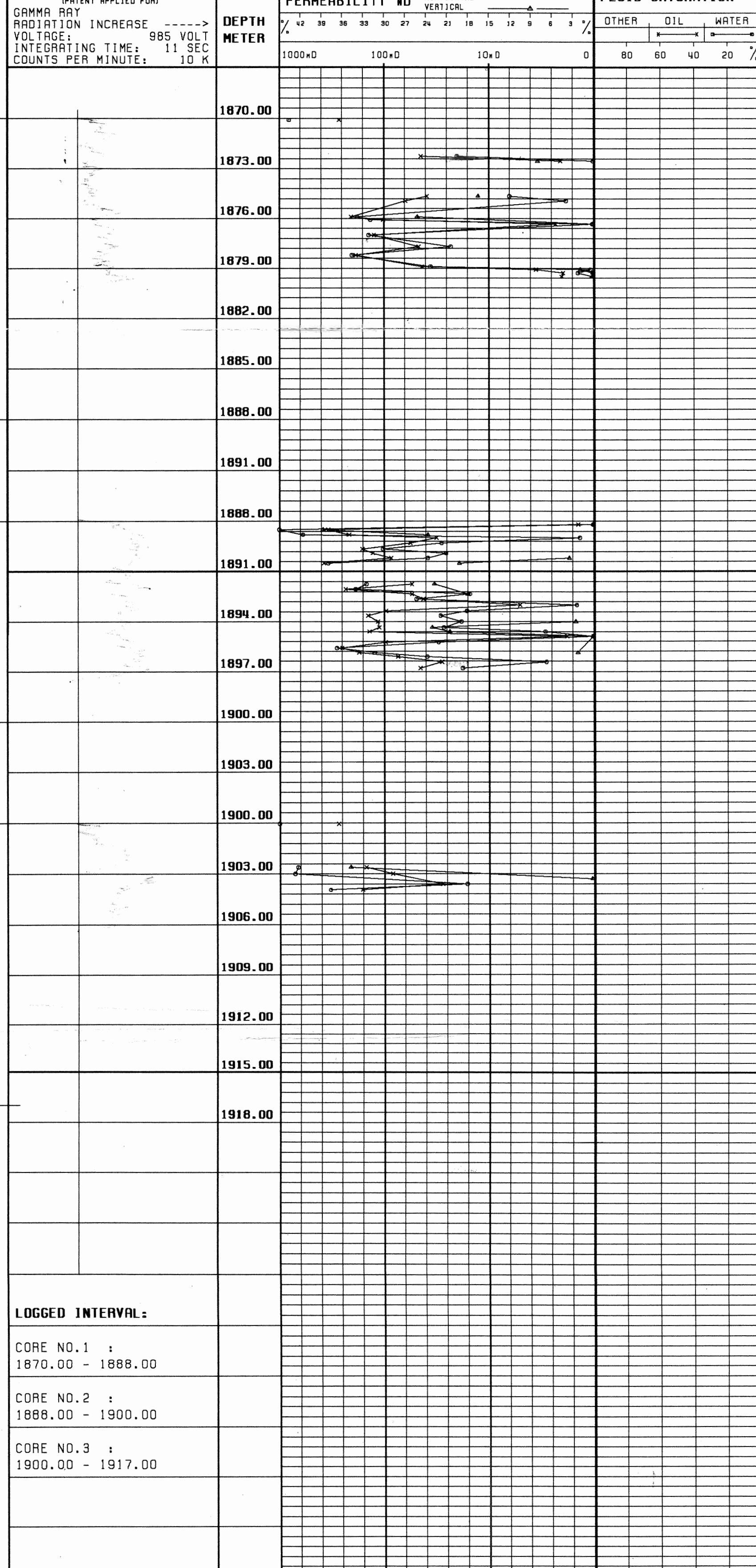
CORE GRAPH

THESE ANALYSES, OPINIONS OR INTERPRETATIONS ARE BASED ON OBSERVATIONS AND MATERIAL SUPPLIED BY THE CLIENT TO GECO, AND FOR WHOSE EXCLUSIVE AND CONFIDENTIAL USE. THIS REPORT IS MADE. THE INTERPRETATIONS OR OPINIONS EXPRESSED REPRESENT THE BEST JUDGEMENT OF GECO LABORATORIES AND ITS OFFICERS AND EMPLOYEES.

GECO
GEOPHYSICAL COMPANY
OF NORWAY A.S.

LABORATORY

VERTICAL SCALE: 1:200



COMPANY: STATOIL

FIELD: 34/10

FILE:

WELL: 34/10-15

COUNTY:

DATE: AUG 1983

LOCATION:

STATE: NORWAY

ELEV.:



CORE GRAPH

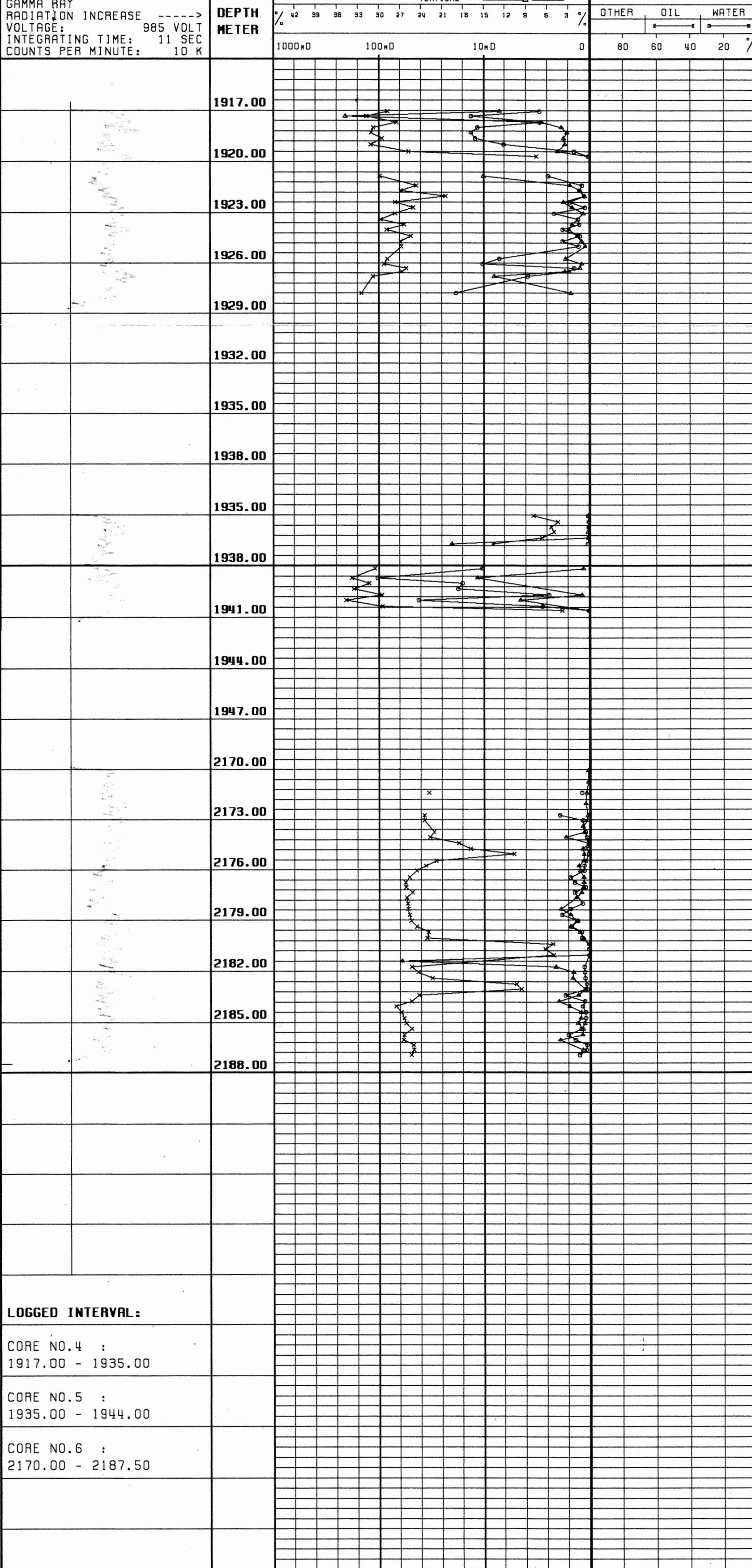
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VERTICAL SCALE: 1:200

LABORATORY



COMPANY: STATOIL

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LABORATORY

VERTICAL SCALE: 1:200

CORE NO: 7

CORE NO: 8

CORE NO: 9

CORE-GAMMA SURFACE-LOG
(PATENT APPLIED FOR)

GAMMA RAY
RADIATION INCREASE ----->
VOLTAGE: 985 VOLT
INTEGRATING TIME: 11 SEC
COUNTS PER MINUTE: 10 K

DEPTH METER

POROSITY % ————— x —————
PERMEABILITY MD HORIZONTAL □ —————
VERTICAL △ —————

% 42 39 36 33 30 27 24 21 18 15 12 9 6 3 /
1000 MD 100 MD 10 MD 0 /

FLUID SATURATION

OTHER OIL WATER
% 80 60 40 20 /

2188.00

2191.00

2194.00

2197.00

2200.00

2203.00

2201.00

2204.00

2207.00

2210.00

2213.00

2216.00

2301.00

2304.00

2307.00

2310.00

2313.00

2316.00

2319.00

LOGGED INTERVAL:

CORE NO. 7 :
2187.50 - 2201.00

CORE NO. 8 :
2201.00 - 2213.00

CORE NO. 9 :
2301.00 - 2316.50

COMPANY: STATOIL

FIELD: 34/10

FILE:

WELL: 34/10-15

COUNTY:

DATE: AUG 1983

LOCATION:

STATE: NORWAY

ELEV.:


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