

Denne rapport  
tilhører



**L&U DOK. SENTER**

L. NR. 20084270111

KODE Well 31/6-5 nr. 12

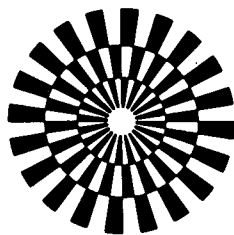
Returneres etter bruk

STATOIL

ROUTINE CORE ANALYSIS

WELL: 31/6-5

DATE: JUNE 1984



**GECO**  
GEOPHYSICAL COMPANY  
OF NORWAY A-S



STATOIL

ROUTINE CORE ANALYSIS

WELL: 31/6-5

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## ROUTINE CORE ANALYSIS

### COMMENTS

GENERAL: Core analyses including horizontal and vertical permeability, porosity and grain density have been performed on samples from well 31/6-5 at the depths requested by Statoil A/S. In addition, formation resistivity factor and grain size distribution were measured and have been reported under two separate covers.

PREPARATION: The samples for analyses were collected by gently drilling with a one inch bore in the horizontal and vertical planes using liquid nitrogen as a cooling agent. The sample plugs were then cut to lengths of one inch and mounted while still frozen in Hassler-type holders at a confining sleeve pressure of 15 bar. After thawing, the plugs were cleaned, dried and thus ready for petrophysical analyses.

### MEASUREMENTS: AIR PERMEABILITY

Standard air permeability,  $k_a$ , was measured by injection of nitrogen gas at a net confining sleeve pressure of 15 bar and then converted empirically to liquid permeability,  $k_l$ , on all samples.

### POROSITY AND GRAIN DENSITY

Porosity and grain density data were collected only from the horizontal sample plugs. Pore volume was determined by injection of helium gas at a net confining sleeve pressure of 15 bar. After dismounting, grain volume values were determined by using a Boyles law porosimeter and helium. Knowing also the weight of the sample, porosity and grain density were calculated.

# FINAL REPORT

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COMPANY : STATOIL  
 WELL : 31/6-5  
 FIELD : 31/6  
 STATE : NORWAY

CORE NO.: 1

DATE: JUNE 1984



Plug No.	Depth (meter)	Permeability (mD),				Porosity (%)		Pore saturation		Grain dens. g/cc	Formation Description
		horizontal K <sub>a</sub>	K <sub>l</sub>	vertical K <sub>a</sub>	K <sub>l</sub>	He	Sum.	S <sub>o</sub>	S <sub>w</sub>		
	1470.00										
1	1483.00	0.090	0.067	0.056	0.041	15.5			2.52	Clst.Dk-gry.Consol.w/Mic.foss.Sd-gr.	
2	1483.50	0.17	0.13			15.7			2.53	A.A.	
3	1483.75	0.23	0.17			15.9			2.50	A.A.	
4	1484.00	rmp		0.23	0.17	15.1			2.49	A.A.fis.	
5	1484.25	0.20	0.15			16.8			2.47	A.A.w/o fis.	
6	1484.50	0.27	0.20			16.6			2.50	A.A.	
7	1484.75	0.49	0.38			15.9			2.51	A.A.	
8	1485.00	0.061	0.045	0.051	0.038	16.2			2.50	A.A.	
9	1485.25	rmp				16.6			2.53	A.A.fis.	
10	1485.50	0.12	0.093			15.3			2.48	A.A.	
11	1485.75	0.092	0.069			15.6			2.55	A.A.	
12	1486.25	0.14	0.11	0.084	0.062	16.9			2.58	Sst.Gry.VF-gr.Sbang.VW-cmt.Cl-mtrx.w/Mic	
13	1486.50	0.21	0.16			16.9			2.62	A.A.W-srt.	
14	1486.75	0.18	0.14			16.3			2.60	A.A.	
15	1487.00	0.14	0.11	2.3	1.8	15.9			2.62	A.A.	
16	1487.25	0.17	0.13			16.6			2.60	A.A.w/ foss.	
17	1487.50	0.12	0.089			15.8			2.56	Clst.Dk-gry.Consol.w/Mic.foss.Sd-gr.	
18	1487.75	0.15	0.12			15.7			2.59	Sst.Gry.VF-gr.Sbang.VW-cmt.Cl-mtrx.w/Mic	
19	1488.00	0.35	0.27	2.2	1.7	18.7			2.63	A.A.W-srt.	
20	1488.25	0.21	0.16			16.4			2.60	A.A.	
21	1488.50	0.16	0.12			16.3			2.59	A.A.	
22	1489.00	0.29	0.22	0.28	0.21	17.1			2.64	A.A.w/o Cl-mtrx.w/Cl-lam.	
23	1489.25	0.29	0.22			20.8			2.64	A.A.	
24	1489.50	0.15	0.12			12.3			2.67	A.A.Lt-gry.w/Calc.Pyr.	
25	1489.75	0.21	0.16			20.5			2.65	A.A.w/o Pyr.	
26	1490.00	0.65	0.50	0.67	0.51	21.4			2.66	A.A.w/Glauc.	
27	1490.25	0.24	0.18			13.1			2.67	A.A.	



COMPANY : STATOIL  
 WELL : 31/6-5  
 FIELD : 31/6  
 STATE : NORWAY

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CORE NO.: 2

DATE: JUNE 1984



Plug No.	Depth (meter)	Permeability (mD),				Porosity (%)		Pore saturation		Grain dens. g/cc	Formation Description
		horizontal K <sub>a</sub>	K <sub>1</sub>	vertical K <sub>a</sub>	K <sub>1</sub>	He	Sum.	S <sub>o</sub>	S <sub>w</sub>		
	1497.00										
54	1497.00	0.54	0.41	0.17	0.13	18.1			2.63	Sst.Gry.VF-gr.Sbang.W-cmt.Cl-mtrx.w/Mic.	
55	1497.25	0.91	0.71			20.0			2.69	A.A.W-srt.w/Glauc.	
56	1497.50	0.38	0.29			17.5			2.67	A.A.w/o Glauc.	
57	1497.75	0.69	0.53			18.5			2.66	A.A.	
58	1498.00	0.37	0.28	0.099	0.073	17.9			2.66	A.A.	
59	1498.25	0.30	0.23			17.1			2.68	A.A.	
60	1498.50	0.33	0.25			16.6			2.66	A.A.	
61	1498.75	0.34	0.26			18.4			2.62	A.A.	
62	1499.00	0.48	0.37	0.14	0.11	18.2			2.67	A.A.	
63	1499.50	0.32	0.24			16.3			2.65	A.A.	
64	1499.75	0.24	0.18			15.7			2.65	A.A.	
65	1500.00	0.26	0.20	0.076	0.056	15.9			2.62	A.A.	
66	1500.25	0.20	0.15			16.2			2.62	A.A.	
67	1500.50	0.40	0.31			16.5			2.65	A.A.	
68	1500.75	0.44	0.34			16.5			2.65	A.A.	
69	1501.00	0.20	0.15	0.057	0.042	15.5			2.62	A.A.Dk-gry.VW-cmt.	
70	1501.25	0.16	0.12			14.6			2.63	A.A.ltl-Calc.	
71	1501.50	0.15	0.11			15.6			2.63	A.A.	
72	1501.75	0.20	0.15			16.3			2.63	A.A.	
73	1502.00	0.31	0.23	0.12	0.087	16.8			2.65	A.A.	
74	1502.25	0.33	0.26			18.1			2.65	A.A.	
75	1502.50	0.22	0.17			19.7			2.66	A.A.Gry.	
76	1502.75	0.25	0.19	0.095	0.070	15.3			2.63	A.A.Dk-gry.	
77	1503.25	0.43	0.33			18.4			2.65	A.A.	
78	1503.50	0.35	0.26			16.0			2.67	A.A.	
79	1503.75	0.29	0.22			15.5			2.65	A.A.	
80	1504.00	0.23	0.17	0.18	0.14	16.2			2.67	A.A.	

COMPANY : STATOIL  
 WELL : 31/6-5  
 FIELD : 31/6  
 STATE : NORWAY

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Plug No.	Depth (meter)	Permeability (mD),				Porosity (%)		Pore saturation		Grain dens. g/cc	Formation Description
		horizontal K <sub>a</sub>	K <sub>l</sub>	vertical K <sub>a</sub>	K <sub>l</sub>	He	Sum.	S <sub>o</sub>	S <sub>w</sub>		
81	1504.25	0.26	0.20			15.7			2.65	A.A.	
82	1504.50	0.19	0.15			15.6			2.66	A.A.	
83	1504.75	0.21	0.16			16.8			2.65	A.A.	
84	1505.00	0.28	0.21	0.17	0.12	17.2			2.66	A.A.	
85	1505.50	0.35	0.27			14.8			2.67	A.A.	
86	1505.75	0.27	0.21			14.2			2.64	A.A.	
87	1506.00	0.17	0.12	0.085	0.063	14.7			2.65	A.A.	
88	1506.25	0.22	0.17			13.9			2.67	A.A.w/foss.	
89	1506.50	0.19	0.14			14.5			2.64	A.A.w/o foss.	
90	1507.00	0.32	0.24	0.13	0.096	15.1			2.67	A.A.w/o Calc.w/Pyr.	
91	1507.25	0.28	0.21			15.3			2.66	A.A.w/o Pyr.	
92	1507.50	0.24	0.18			16.0			2.65	A.A.	
93	1507.75	0.30	0.23			16.2			2.66	A.A.	
94	1508.00	0.23	0.18	0.27	0.21	16.7			2.67	A.A.Gry.w/Glauc.	
95	1508.25	0.28	0.21			17.5			2.66	A.A.	
96	1508.50	1.4	1.1			17.2			2.65	A.A.w-srt.	
97	1508.75	0.35	0.27			15.6			2.65	A.A.VW-srt.	
98	1509.00	0.47	0.36	4.2	3.6	17.6			2.68	A.A.w/Pyr.	
99	1509.25	0.60	0.47			18.6			2.68	A.A.	
100	1509.50	0.26	0.19			16.3			2.65	A.A.	
101	1509.75	0.22	0.17			16.6			2.63	A.A.w/Glauc.w/oPyr.	
102	1510.00	0.57	0.44	1.4	1.1	18.1			2.71	A.A.w/Pyr.	
103	1510.25	0.20	0.15			17.7			2.65	A.A.w/o Pyr.Glauc.	
104	1510.50	0.24	0.18			18.4			2.68	A.A.w/Pyr.	
105	1511.25	0.17	0.13	0.12	0.093	17.4			2.70	A.A.w/Glauc.	
106	1511.50	0.16	0.12			17.8			2.67	A.A.w/o Pyr.	
107	1511.75	0.38	0.29			18.5			2.67	A.A.	





COMPANY : STATOIL  
 WELL : 31/6-5  
 FIELD : 31/6  
 STATE : NORWAY

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CORE NO.: 3

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Plug No.	Depth (meter)	Permeability (mD),				Porosity (%)		Pore saturation		Grain dens. g/cc	Formation Description
		K <sub>a</sub>	K <sub>l</sub>	K <sub>a</sub>	K <sub>l</sub>	He	Sum.	S <sub>o</sub>	S <sub>w</sub>		
	1523.50										
130	1523.50	3412	3356			33.5			2.67		Sst .Lt-gry .F-gr .Sbang .P-cmt .w/Mic .
131	1523.75	1639	1604			33.0			2.68		A.A .Fr-cmt .W-srt .
132	1524.00	0.47	0.36	0.51	0.39	8.7			2.68		Calc-sst .Lt-gry .VF-gr .Sbang .VW-cmt .w/Mic
133	1524.25	394	379			24.8			2.67		Sst .Lt-gry .F-gr .Sbang .W-cmt .w/Mic .Calc .
134	1524.50	491	475			31.1			2.72		A.A .W-srt .Calc-abd .
135	1524.75	78.4	73.2			27.7			2.70		A.A .Gry .Cl/C-lam .w/o Calc .w/Pyr .
136	1525.00	601	582	356	343	33.9			2.68		A.A .w/o Pyr .Cl .C .w/Calc .
137	1525.25	457	441			33.4			2.67		A.A .
138	1525.50	934	909			34.0			2.67		A.A .
139	1525.75	1905	1867			30.9			2.66		A.A .w/o Calc .Fr-cmt .fis .
140	1526.50	0.015	0.011	429	414	2.4			2.69		Calc-sst .Lt-gr .F-gr .Sbang .VW-cmt .w/Mic .
141	1526.75	0.20	0.15			3.4			2.68		A.A .
142	1527.00	5019	4949	3325	3270	32.3			2.66		Sst .Lt-gry .F-gr .Sbang .VP-cmt .w/Mic .
143	1527.25	186	177			26.8			2.67		A.A .W-cmt .W-srt .w/Calc .
144	1527.50	1813	1776			35.3			2.65		A.A .
145	1527.75	974	948			33.8			2.65		A.A .
146	1528.00	1107	1079	1221	1192	34.1			2.65		A.A .
147	1528.25	310	298			31.8			2.65		A.A .w/foss .
148	1528.50	7220	7133			34.6			2.65		A.A .VP-cmt .w/o foss .
149	1529.00	899	875	1177	1148	35.2			2.67		A.A .Fr-cmt .
150	1529.25	1386	1355			35.8			2.66		A.A .
151	1529.50	920	896			35.5			2.66		A.A .ltl-C .
152	1529.75	654	634			34.9			2.66		A.A .
153	1530.00	990	965	443	428	35.6			2.66		A.A .
154	1530.25	783	760			36.0			2.66		A.A .
155	1530.50	1205	1176			35.8			2.66		A.A .
156	1530.75	2496	2450			31.8			2.65		A.A .P-cmt .

COMPANY : STATOIL  
 WELL : 31/6-5  
 FIELD : 31/6  
 STATE : NORWAY

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CORE NO.: 3 (cont.)

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Plug No.	Depth (meter)	Permeability (mD),				Porosity (%)		Pore saturation		Grain dens. g/cc	Formation Description
		horizontal K <sub>a</sub>	K <sub>l</sub>	vertical K <sub>a</sub>	K <sub>l</sub>	He	Sum.	S <sub>o</sub>	S <sub>w</sub>		
157	1531.00	2809	2760	1863	1824	35.7				2.65	A.A.
158	1531.25	789	767			34.6				2.65	A.A.Fr-cmt.
159	1531.75	1203	1174			37.0				2.66	A.A.
160	1532.00	884	860	515	498	35.0				2.67	A.A.
161	1532.25	630	611			30.4				2.66	A.A.
162	1532.50	423	408			34.1				2.66	A.A.
163	1532.75	387	372			34.1				2.66	A.A.
164	1533.00	378	363	192	183	33.4				2.65	A.A.
165	1533.25	974	949			30.9				2.65	A.A.
166	1533.50	904	879			30.9				2.65	A.A.
167	1533.75	742	720			31.8				2.66	A.A.
168	1534.00	525	508	427	412	35.4				2.66	A.A.
169	1534.50	382	367			33.8				2.65	A.A.
170	1534.75	129	122			31.0				2.66	A.A.W-cmt.C-lam.
171	1535.00	95.1	89.1	13.9	12.3	29.9				2.67	A.A.VF-gr.
172	1535.25	152	144			30.7				2.68	A.A.Scst-C.
173	1535.50	149	142			31.0				2.68	A.A.
174	1535.75	258	247			32.1				2.67	A.A.F-gr.
175	1536.00	120	114	17.6	15.7	30.1				2.67	A.A.
176	1536.25	24.2	21.8			27.4				2.69	A.A.VF-gr.
177	1536.50	64.6	6.0			29.3				2.68	A.A.
178	1536.75	14.1	12.5			24.2				2.69	A.A.Gry.w/Cl.
179	1537.25	208	199	196	187	33.9				2.69	A.A.Lt-gry.F-gr.Fr-cmt.w/o Cl.
180	1537.50	146	138			34.0				2.67	A.A.incr-C.
181	1537.75	33.7	30.7			29.1				2.66	A.A.W-cmt.C-lam.
182	1538.00	82.8	77.4	1152	1123	34.3				2.66	A.A.w/Cl.
183	1538.25	389	374			32.1				2.65	Sst.Lt-gry.F-gr.Sbrndd.VP-cmt.w/Mic.

COMPANY : STATOIL  
 WELL : 31/6-5  
 FIELD : 31/6  
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CORE NO.: 3 (cont.)

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Plug No.	Depth (meter)	Permeability (mD),				Porosity (%)		Pore saturation		Grain dens. g/cc	Formation Description
		horizontal K <sub>a</sub>	vertical K <sub>1</sub>	K <sub>a</sub>	K <sub>1</sub>	He	Sum.	S <sub>o</sub>	S <sub>w</sub>		
184	1538.50	1648	1613			24.9			2.67	A.A.P-srt.w/foss.-abd.	
185	1538.75	4.6	3.9			22.8			2.68	Sst.Gry.VF-gr.Sbang.WW-cmt.w/Mic.Calc.Cl	
186	1539.00	27.9	25.3	32.8	30.0	27.7			2.68	A.A.VW-srt.	
187	1539.25	765	743			33.4			2.68	A.A.F-gr.Fr-cmt.w/o Cl.	
188	1539.50	1363	1331			26.6			2.85	A.A.P-srt.w/Pyr.	
189	1540.00	357	343	71.8	67.0	34.0			2.69	A.A.VF-gr.W-cmt.W-srt.w/o Pyr.	
190	1540.25	162	154			31.8			2.68	A.A.	
191	1540.50	186	177			31.8			2.68	A.A.	
192	1540.75	163	155			30.3			2.68	A.A.	
193	1541.00	181	172	85.3	79.9	32.1			2.68	A.A.	
194	1541.25	85.4	79.9			30.3			2.68	A.A.	
195	1541.50	237	227			32.7			2.68	A.A.F-gr.	
196	1541.75	32.7	29.7			26.9			2.68	A.A.VF-gr.	
197	1542.00	129	122	4.2	3.5	31.4			2.68	A.A.	
198	1542.50	342	329			34.0			2.68	A.A.	
199	1542.75	127	120			31.9			2.67	A.A.w/Cl.	
200	1543.00	466	450			35.3			2.68	A.A.F-gr.w/o Cl.	
201	1543.25	791	768	311	298	35.9			2.68	A.A.	
202	1543.50	422	407			34.7			2.67	A.A.	
203	1543.75	485	468			35.4			2.68	A.A.	
204	1544.00	669	649	334	321	35.8			2.67	A.A.	
205	1544.25	560	542			36.0			2.67	A.A.	
206	1544.50	528	511			34.6			2.68	A.A.	
207	1544.75	236	226			33.3			2.66	A.A.w/C	
208	1545.25	96.3	90.3	120	113	31.2			2.69	A.A.VF-gr.	
209	1545.50	198	189			32.8			2.67	A.A.	
210	1545.75	444	428			36.0			2.69	A.A.F-gr.	





COMPANY : STATOIL  
 WELL : 31/6-5  
 FIELD : 31/6  
 STATE : NORWAY

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Plug No.	Depth (meter)	Permeability (mD),				Porosity (%)		Pore saturation		Grain dens. g/cc	Formation Description
		horizontal K <sub>a</sub>	vertical K <sub>1</sub>	K <sub>a</sub>	K <sub>1</sub>	He	Sum.	S <sub>O</sub>	S <sub>w</sub>		
	1557.50										
250	1557.50	0.92	0.72			7.9				2.70	Calc-sst.Lt-gry.F-gr.Sbang.WW-cmt.w/Mic.
251	1557.75	0.002	<0.01			7.2				2.69	A.A.W-srt.
252	1558.00	0.003	<0.01	0.015	0.010	6.7				2.71	A.A.
253	1558.25	2487	2442			37.8				2.66	Sd.Lt-gry.F-gr.Sbang.W-srt.w/Mic.
254	1558.50	2078	2038			37.6				2.68	Sst.Lt-gry.F-gr.Sbang.VP-cmt.w/Mic.Calc.
255	1558.75	4618	4551			35.2				2.67	A.A.W-srt.
256	1559.00	3500	3444	1878	1840	36.8				2.66	Sd.Lt-gry.F-gr.Sbang.W-srt.w/Mic.
257	1559.25	3146	3093			37.0				2.65	A.A.
258	1559.50	4334	4270			37.6				2.64	A.A.
259	1559.75	4577	4511			37.5				2.64	A.A.
260	1560.25	4161	4099	4728	4661	37.5				2.66	Sst.Lt-gry.F-gr.Sbang.P-cmt.w/Mic.Calc.
261	1561.00	5171	5100	1847	1810	36.9				2.66	Sd.Lt-gry.F-gr.Sbang.W-srt.w/Mic.
262	1561.50	rmp				rmp					Sst.Dk-gry.F-gr.Sbang.VP-cmt.fis.w/C.Cl.
263	1562.50	0.026	0.019	0.027	0.020	7.4				2.67	Calc-sst.Lt-gry.F-gr.Sbang.WW-cmt.w/Mic.
264	1563.00	9720	9615	4256	4193	37.9				2.67	Sd.Lt-gry.F/M-gr.Sbang.W-srt.w/Mic.
265	1563.25	8090	7996			37.0				2.65	A.A.
266	1563.50	2.8	2.2			8.0				2.67	Calc-sst.Lt-gry.F-gr.Sbang.WW-cmt.w/C.Mic
267	1563.75	8295	8199			35.4				2.66	Sd.Lt-gry.F/M-gr.Sbang.W-srt.w/Mic.
268	1564.00	4210	4148	4222	4159	37.5				2.67	A.A.F-gr.
269	1564.25	2149	2108			36.4				2.67	Sst.Lt-gry.F-gr.Sbang.P-cmt.w/Mic.Calc.
270	1564.50	10249	10140			37.6				2.70	Sd.Lt-gry.F/M-gr.Sbang.W-srt.w/Mic.Calc.
271	1564.75	3654	3596			36.4				2.69	Sst.Lt-gry.F-gr.Sbang.P-cmt.w/Mic.Calc.
272	1565.00	4169	4106	3307	3253	37.1				2.68	Sd.Lt-gry.F-gr.Sbang.W-srt.w/Mic.Calc.
273	1565.25	1516	1482			36.0				2.67	Sst.Lt-gry.F-gr.Sbang.P-cmt.w/Mic.Calc.
274	1565.50	2673	2626			36.3				2.68	A.A.VP-cmt.W-srt.
275	1566.00	2674	2627	1776	1739	37.6				2.69	Sd.Lt-gry.F-gr.Sbang.W-srt.w/Mic.Calc.
276	1566.25	1161	1132			36.8				2.68	A.A.

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 WELL : 31/6-5  
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Plug No.	Depth (meter)	Permeability (mD),				Porosity (%)		Pore saturation		Grain dens. g/cc	Formation Description
		horizontal K <sub>a</sub>	K <sub>l</sub>	vertical K <sub>a</sub>	K <sub>l</sub>	He	Sum.	S <sub>O</sub>	S <sub>w</sub>		
277	1566.50	2338	2294			37.2			2.66	Sst.Lt-gry.F-gr.Sbang.VP-cmt.w/Mic.	
278	1566.75	7127	7040			37.9			2.68	Sd.Lt-gry.F-gr.Sbang.W-srt.w/Mic.Calc.	
279	1567.00	4041	3980	3659	3601	37.4			2.68	A.A.	
280	1567.25	1311	1280			34.0			2.67	Sst.Lt-gry.F-gr.Sbang.P-cmt.w/Mic.Calc.	
281	1567.50	5627	5552			37.0			2.66	Sd.Lt-gry.F-gr.Sbang.W-srt.w/Mic.	
282	1567.75	2981	2931			37.0			2.67	A.A.	
283	1568.00	12446	12324	7038	6952	36.4			2.67	A.A.	
284	1568.50	7854	7762			36.9			2.65	A.A.	
285	1568.75	8677	8579			37.2			2.65	A.A.	
286	1569.00	9588	9484	3753	3694	37.8			2.65	A.A.	
287	1569.25	1233	1203			31.5			2.64	Sst.Lt-gryF-grSbangFr-cmtC/Cl-lam.w/ foss	
288	1569.50	275	263			34.5			2.65	A.A.fis.	
289	1569.75	1505	1472			37.2			2.67	Sd.lt-gry.F-gr.Sbang.W-srt.w/Mic.	
290	1570.00	1582	1547	nvpp		38.0			2.68	A.A.w/Calc.	
291	1570.25	1354	1322			37.2			2.66	A.A.w/o Calc.	
292	1570.50	1344	1313			37.0			2.66	Sst.Lt-gry.F-gr.Sbang.VP-cmt.W-srt.w/Mic	
293	1570.75	1609	1574			37.2			2.66	Sd.Lt-gry.F-gr.Sbang.W-srt.w/Mic.	
294	1571.25	2519	2474	1677	1641	37.0			2.66	A.A.F/M-gr.	
295	1571.50	119	112			36.7			2.66	A.A.F-gr.	
296	1571.75	mmp				6.2			2.69	Calc-sst.Lt-gry.F-gr.VW-cmt.w/Mic.foss.	
297	1572.00	1041	1014	106	99.6	32.7			2.66	Sst.Lt-gry.VF-gr.Sbang.VP-cmt.Mic-lam.	
298	1572.25	8506	8409			37.2			2.64	Sd.Lt-gry.F-gr.Sbang.W-srt.w/Mic.	
299	1572.50	6230	6150			37.7			2.64	A.A.	
300	1572.75	0.007	<0.01			8.3			2.67	Calc-sst.Lt-gry.F-gr.Sbang.VW-cmt.w/Mic.	
301	1573.00	0.088	0.065	0.005	0.01	12.7			2.65	A.A.F/M-gr.w/C.Cl.	
302	1573.25	1480	1447			37.0			2.65	Sst.Lt-gry.F-gr.Sbang.VP-cmt.W-srt.w/Mic	
303	1573.50	3252	3198			37.7			2.65	Sd.Lt-gry.F-gr.Sbang.W-srt.w/Mic.	

COMPANY : STATOIL  
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Plug No.	Depth (meter)	Permeability (mD),				Porosity (%)		Pore saturation		Grain dens. g/cc	Formation Description
		horizontal K <sub>a</sub>	vertical K <sub>l</sub>	horizontal K <sub>a</sub>	vertical K <sub>l</sub>	He	Sum.	S <sub>o</sub>	S <sub>w</sub>		
304	1574.00	330	317	78.6	73.5	34.5			2.65	Sst.Lt-gry.F-gr.Sbang.Fr-cmt.W-srt.w/Mic	
305	1574.25	1664	1629			35.9			2.66	A.A.	
306	1574.50	1317	1287			35.4			2.66	A.A.	
307	1574.75	1091	1064			37.0			2.67	A.A.P-cmt.	
308	1575.00	1328	1297	908	884	37.2			2.66	A.A.Fr-cmt.	
309	1575.25	1014	988			35.8			2.66	A.A.w/Calc.C.	
310	1575.50	841	818			34.7			2.66	A.A.	
311	1575.75	1065	1038			36.3			2.66	A.A.	
312	1576.00	907	882	561	543	35.1			2.66	A.A.	
313	1576.25	952	926			35.9			2.66	A.A.	
314	1576.75	336	323			33.7			2.67	A.A.	
315	1577.00	46.4	42.7	263	252	34.7			2.67	A.A.	
316	1577.25	364	351			34.2			2.65	A.A.C-lam.	
317	1577.50	465	450			34.8			2.67	A.A.	
318	1577.75	196	187			31.1			2.68	A.A.w/o C-lam.	
319	1578.00	137	130	68.8	64.1	30.2			2.67	A.A.w/C.	
320	1578.25	214	205			33.8			2.69	A.A.	
321	1578.50	271	260			35.3			2.68	A.A.	
322	1578.75	94.9	89.2			31.3			2.68	A.A.VF-gr.	
323	1579.00	255	244	30.5	27.7	33.0			2.69	A.A.F-gr.	
324	1579.50	96.0	90.3			30.2			2.67	A.A.VF-gr.	
325	1579.75	40.2	36.2			27.5			2.71	A.A.W-cmt.w/Pyr.	
326	1580.00	102	96.1	18.9	17.1	29.1			2.67	A.A.w/o Pyr.	
327	1580.25	28.1	25.5			26.3			2.68	A.A.	
328	1580.50	1033	1007			34.0			2.71	A.A.F/M-gr.P-cmt.P-srt.w/Pyr.	
329	1580.75	942	917			36.1			2.67	A.A.F-gr.W-srt.	
330	1581.00	37.8	34.5	rmp		35.8			2.71	A.A.Fr-cmt.Fr-srt.w/foss.	





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		horizontal K <sub>a</sub>	K <sub>l</sub>	vertical K <sub>a</sub>	K <sub>l</sub>	He	Sum.	S <sub>O</sub>	S <sub>w</sub>		
	1584.00										
337	1584.00	669	649	188	179	37.3			2.68	Sst.Lt-gry.F-gr.Sbang.VP-cmt.w/Mic.Calc.	
338	1584.25	225	214			31.3			2.69	A.A.Fr-cmt.W-srt.	
339	1584.50	682	661			33.5			2.69	A.A.w/C.	
340	1584.75	1262	1233			36.5			2.70	A.A.w/Pyr.	
341	1585.00	174	165	86.0	80.4	32.0			2.68	A.A.VF-gr.w/o Pyr.	
342	1585.25	516	499			36.2			2.67	A.A.F-gr.	
343	1585.50	252	241			33.3			2.67	A.A.	
344	1585.75	255	244			34.0			2.67	A.A.	
345	1586.00	11160	11045	10699	10588	36.5			2.67	Sd.Lt-gry.M-gr.Sbang.W-srt.w/Mic.	
346	1586.25	5771	5695			37.6			2.66	A.A.	
347	1586.75	0.030	0.022			2.2			2.70	Calc-sst.Lt-gry.F-gr.Sbang.VW-cmt.w/Mic.	
348	1587.00	0.027	0.020	0.044	0.032	2.4			2.71	A.A.W-srt.w/foss.	
349	1587.25	0.020	0.014			1.2			2.72	A.A.	
350	1587.50	0.43	0.33			3.9			2.71	A.A.	
351	1587.75	2579	2533			34.6			2.67	Sst.Lt-gry.F-gr.Sbang.P-cmt.W-srt.w/Mic.	
352	1588.00	1068	1041	1831	1793	37.1			2.65	A.A.Fr-cmt.	
353	1588.25	1991	1951			36.8			2.67	A.A.	
354	1588.50	872	848			34.6			2.64	A.A.w/C	
355	1588.75	2388	2344			36.4			2.66	A.A.P-cmt.w/o C	
356	1589.00	2123	2082	1477	1444	36.8			2.66	A.A.	
357	1589.50	7322	7234			34.7			2.66	Sd.Lt-gry.M-gr.Sbang.W-srt.w/Mic.Calc.	
358	1589.75	883	859			37.1			2.67	Sst.Lt-gry.F-gr.Sbang.P-cmt.W-srt.w/Mic.	
359	1590.00	468	452	195	186	34.2			2.66	A.A.w/C	
360	1590.25	1382	1350			37.4			2.70	A.A.VP-cmt.w/Pyr.	
361	1590.50	672	652			24.4			2.68	A.A.Fr-cmt.w/Calc.foss.	
362	1590.75	974	948			35.3			2.66	A.A.w/o foss	
363	1591.00	3267	3213	2781	2732	36.5			2.64	A.A.P-cmt.	

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Plug No.	Depth (meter)	Permeability (mD),				Porosity (%)		Pore saturation		Grain dens. g/cc	Formation Description
		horizontal K <sub>a</sub>	K <sub>1</sub>	vertical K <sub>a</sub>	K <sub>1</sub>	He	Sum.	S <sub>o</sub>	S <sub>w</sub>		
364	1591.25	1886	1848			37.1			2.65	A.A.VP-cmt.	
365	1591.50	0.033	0.024			4.8			2.69	Calc-sst.Lt-gry.F-gr.Sbang.VW-cmt.w/Mic.	
366	1591.75	2248	2205			37.8			2.65	Sst.Lt-gry.F-gr.Sbrndd.VP-cmt.w/Mic.	
367	1592.25	825	802	199	189	34.8			2.66	A.A.Fr-cmt.w/Calc.C.	
368	1592.50	586	567			34.3			2.67	A.A.w/foss.	
369	1592.75	693	673			34.0			2.66	A.A.	
370	1593.00	1239	1210		nvpp	36.0			2.67	A.A.	
371	1593.25	422	406			33.6			2.65	A.A.w/o Calc.foss.	
372	1593.50	1275	1244			36.4			2.66	A.A.	
373	1593.75	621	601			34.6			2.67	A.A.w/Calc.	
374	1594.00	631	612	276	264	35.6			2.66	A.A.	
375	1594.25	100	94.2			30.4			2.65	A.A.VF-gr.W-cmt.	
376	1594.50	npp									
377	1595.00	244	233	59.8	55.4	30.7			2.68	A.A.	
378	1595.25	43.9	40.3			28.4			2.66	A.A.	
379	1595.50	85.2	79.8			30.1			2.66	A.A.	
380	1595.75	117	110			31.1			2.68	A.A.	
381	1596.00	268	256	7.6	6.6	30.2			2.68	A.A.	
382	1596.25	461	445			33.0			2.67	A.A.	
383	1596.50	158	150			31.5			2.67	A.A.	
384	1596.75	231	220			33.2			2.69	A.A.w/foss.	
385	1597.00	238	228		nvpp	32.9			2.69	A.A.	
386	1597.50	18.8	16.8			24.9			2.67	A.A.	
387	1597.75	149	142			34.5			2.67	A.A.w/o foss.	
388	1598.00	235	224	97.4	91.4	35.1			2.68	A.A.	
389	1599.25	62.5	58.0	42.6	39.1	29.2			2.69	A.A.Gry.w/Cl.Pyr.	
390	1599.50	26.9	24.3			27.1			2.70	A.A.	

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Plug No.	Depth (meter)	Permeability (mD),				Porosity (%)		Pore saturation		Grain dens. g/cc	Formation Description
		horizontal K <sub>a</sub>	vertical K <sub>1</sub>	horizontal K <sub>a</sub>	vertical K <sub>1</sub>	He	Sum.	S <sub>o</sub>	S <sub>w</sub>		
391	1599.75	145	137							2.68	A.A.Lt-gry.w/o Cl.Pyr.
392	1600.25	56.2	52.0	68.6	63.8	29.8				2.67	A.A.
393	1601.00	0.63	0.49	0.024	0.017	4.8				2.68	Calc-sst.Gry.VF-gr.Sbang.W-cmt.w/Mic.Cl
394	1601.25	0.35	0.27			13.0				2.70	A.A.
395	1601.50	0.47	0.36			15.6				2.70	A.A.
396	1601.75	105	99.1			31.4				2.73	Sst.Lt-gry.VF-gr.Sbang.Fr-cmt.w/Mic.Pyr.
397	1602.00	264	253	16.0	14.2	33.0				2.67	A.A.F-gr.W-srt.w/o Pyr.
398	1602.25	32.3	29.4			28.6				2.67	A.A.VF-gr.w/Calc.
399	1602.50	46.9	43.2			28.3				2.66	A.A.
400	1603.00	22.9	20.6	7.0	6.1	27.1				2.68	A.A.
401	1603.25	4.3	3.7			24.8				2.67	A.A.
402	1603.50	7.9	6.9			27.8				2.68	A.A.
403	1603.75	24.0	21.7			27.4				2.68	A.A.
404	1604.00	37.6	34.4	3.3	2.8	29.7				2.69	A.A.
405	1604.25	3.4	2.8			25.1				2.71	A.A.W-cmt.w/Pyr.Cl.C.
406	1604.50	2.6	2.2			24.2				2.68	A.A.w/o Pyr.
407	1604.75	2.7	2.3			24.6				2.68	A.A.
408	1605.00	14.0	12.5	3.3	2.7	26.6				2.67	A.A.w/o Cl.
409	1605.25	2.7	2.3			24.6				2.67	A.A.w/Cl.
410	1605.75	2.7	2.2			25.4				2.67	A.A.
411	1606.00	9.3	8.1	3.8	3.3	26.5				2.67	A.A.
412	1606.25	8.1	7.1			25.7				2.66	A.A.
413	1606.50	2.8	2.2			24.8				2.68	A.A.
414	1606.75	23.1	20.8			23.5				2.70	A.A.w/Pyr.
415	1607.00	2.7	2.1	0.61	0.47	24.9				2.68	A.A.w/o Pyr.
416	1607.25	0.59	0.46			22.3				2.68	A.A.
417	1607.50	0.43	0.33			22.7				2.69	A.A.w/foss.



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Plug No.	Depth (meter)	Permeability (mD),				Porosity (%)		Pore saturation		Grain dens. g/cc	Formation Description
		horizontal K <sub>a</sub>	vertical K <sub>l</sub>	horizontal K <sub>a</sub>	vertical K <sub>l</sub>	He	Sum.	S <sub>o</sub>	S <sub>w</sub>		
	1611.00										
429	1611.00	42.4	39.0	31.8	29.1	29.1			2.68	Sst.Gry.VF-gr.Sbang.W-cmt.w/Mic.Calc.	
430	1611.25	9.5	8.4			26.2			2.64	A.A.W-srt.w/C.Cl.	
431	1611.50	51.3	47.5			28.6			2.68	A.A.ltl-C.Cl.	
432	1611.75	34.7	31.5			27.6			2.68	A.A.	
433	1612.00	41.3	37.9	12.0	10.7	28.1			2.68	A.A.	
434	1612.25	32.7	29.8			26.2			2.66	A.A.	
435	1612.50	35.8	32.9			28.9			2.67	A.A.	
436	1612.75	31.8	29.1			27.8			2.67	A.A.	
437	1613.00	20.0	18.0	2.1	1.6	25.6			2.67	A.A.	
438	1613.25	10.0	8.9			24.4			2.68	A.A.	
439	1613.75	40.1	36.8			27.7			2.68	A.A.	
440	1614.00	10.9	9.7	6.1	5.3	25.2			2.67	A.A.	
441	1614.25	13.0	11.6			26.2			2.68	A.A.	
442	1614.50	29.8	27.1			27.3			2.68	A.A.	
443	1614.75	22.4	20.1			26.7			2.67	A.A.	
444	1615.00	23.4	21.1	11.6	10.3	27.1			2.66	A.A.	
445	1615.25	24.1	21.7			26.4			2.67	A.A.	
446	1615.50	7.5	6.6			24.0			2.68	A.A.	
447	1615.75	27.2	24.7			26.0			2.72	A.A.VP-srt.w/Pyr.	
448	1616.00	1887	1849	421	406	37.0			2.64	A.A.Lt-gry.F/M-gr.Fr-cmt.w/o Pyr.incr-C	
449	1616.50	223	213			31.7			2.66	A.A.F-gr.W-srt.Pyr./C-lam.w/foss.	
450	1616.75	699	678			34.7			2.67	A.A.	
451	1617.00	700	679	285	273	34.6			2.66	A.A.w/o Pyr.	
452	1617.25	144	136			31.4			2.66	A.A.W-cmt.	
453	1617.50	119	112			32.2			2.67	A.A.	
454	1617.75	314	301			33.3			2.67	A.A.	
455	1618.00	233	223	144	136	33.8			2.67	A.A.	

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**GECO**  
GEOPHYSICAL COMPANY  
OF NORWAY AS  
Petroleum laboratory

COMPANY : STATOIL  
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Plug No.	Depth (meter)	Permeability (mD),				Porosity (%)		Pore saturation		Grain dens. g/cc	Formation Description
		horizontal K <sub>a</sub>	vertical K <sub>1</sub>	horizontal K <sub>a</sub>	vertical K <sub>1</sub>	He	Sum.	S <sub>O</sub>	S <sub>w</sub>		
456	1618.25	175	166			31.7			2.66	A.A.	
457	1618.50	154	146			32.0			2.67	A.A.	
458	1618.75	174	165			31.7			2.68	A.A.	
459	1619.25	148	140	23.8	21.6	31.7			2.67	A.A.	
460	1619.50	145	137			29.8			2.68	A.A.	
461	1619.75	95.6	89.7			29.7			2.68	A.A.VF-gr.	
462	1620.00	35.1	32.1	28.7	26.2	26.8			2.67	A.A.	
463	1620.25	37.6	34.4			27.1			2.67	A.A.	
464	1620.50	51.3	47.5			27.5			2.67	A.A.P-srt.	
465	1620.75	30.7	28.1			26.4			2.68	A.A.	
466	1621.00	323	310	nvpp		24.4			2.68	Sst.Gry.M-gr.Sbrnodd.VP-cmt.VP-srt.w/Mic.	
467	1621.25	3314	3260			33.1			2.67	A.A.Lt-gry.	
468	1621.50	1718	1682			35.3			2.66	Sst.Lt-gry.F-gr.Sbang.Fr-cmt.W-srt.w/Mic	
469	1622.00	4.0	3.5	1733	1697	11.3			2.69	Calc-sst.Lt-gry.M-gr.Sbang.VW-cmt.w/Mic	
470	1622.25	0.020	0.014			2.5			2.72	A.A.VF-gr.w/C.Sid.	
471	1622.50	0.019	0.014			1.2			2.70	A.A.w/o C.Sid.	
472	1622.75	6956	6871			32.9			2.70	Sd.Lt-gry.M-gr.Sbang.Fr-srt.w/Mic.Pyr.	
473	1623.00	66.6	62.1	24.4	22.2	28.6			2.71	Sst.Lt-gry.VF-gr.Sbang.W-cmt.w/Mic.Calc.	
474	1623.50	0.022	0.016			3.1			2.71	Calc-sst.Lt-gry.VF-gr.Sbang.VW-cmt.w/Mic	
475	1623.75	40.3	37.1			29.2			2.70	A.A.W-cmt.W-srt.w/foss.	
476	1624.00	115	108	nvpp		31.6			2.68	A.A.	
477	1624.50	3383	3328			28.4			2.66	Sst.Lt-gry.M/Crs-gr.Sbrnodd.VP-cmt.w/Mic.	
478	1624.75	1726	1689			29.1			2.65	A.A.M-gr.Fr-srt.	
479	1625.00	2802	2753	2828	2779	34.8			2.67	A.A.F-gr.Fr-cmt.	
480	1625.25	2043	2003			29.6			2.67	A.A.	
481	1625.50	1307	1277			34.4			2.66	A.A.	
482	1625.75	1454	1421			35.2			2.66	A.A.w/foss.	

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 WELL : 31/6-5  
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 STATE : NORWAY

CORE NO.: 7 (cont.)

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Plug No.	Depth (meter)	Permeability (mD),				Porosity (%)		Pore saturation		Grain dens. g/cc	Formation Description
		horizontal K <sub>a</sub>	K <sub>1</sub>	vertical K <sub>a</sub>	K <sub>1</sub>	He	Sum.	S <sub>o</sub>	S <sub>w</sub>		
483	1626.00	705	685	1117	1090	33.7			2.65	A.A.	
484	1626.25	1370	1338			35.3			2.65	A.A.	
485	1626.50	0.31	0.24			5.7			2.69	Calc-sst.Lt-gry.F-gr.Sbang.VW-cmt.w/Mic.	
486	1626.75	0.10	0.074			6.5			2.70	A.A.W-srt.w/foss.	
487	1627.25	0.26	0.19	1.2	0.91	9.5			2.70	A.A.	
488	1627.50	285	274			32.2			2.70	A.A.Fr-cmt.	
489	1627.75	1590	1556			35.7			2.66	A.A.decr-Calc.	
490	1628.00	3659	3602	6587	6504	32.7			2.66	A.A.	
491	1628.50	1261	1231			34.5			2.66	A.A.incr.Calc.C/Cl-lam.	
492	1628.75	463	447			34.3			2.65	A.A.	
493	1629.00	162	154	36.1	33.1	30.7			2.65	A.A.	
494	1629.25	251	240			33.8			2.67	A.A.	
495	1629.50	456	440			34.0			2.66	A.A.	
496	1630.00	131	124	63.9	59.5	31.9			2.65	A.A.	
497	1630.25	108	102			30.6			2.66	A.A.	
498	1630.50	61.9	57.6			28.3			2.67	A.A.W-cmt.	
499	1630.75	188	179			30.3			2.67	A.A.	
500	1631.00	6.6	5.8	2.3	1.8	23.7			2.66	A.A.Gry.VF-gr.	
501	1631.25	1.8	1.4			21.1			2.66	A.A.	
502	1631.50	14.5	12.8			25.0			2.67	A.A.	
503	1631.75	24.1	21.8			26.0			2.68	A.A.	
504	1632.00	12.7	11.4	2.8	2.2	26.1			2.66	A.A.	
505	1632.25	11.8	10.3			24.7			2.67	A.A.	
506	1632.75	14.0	12.4			26.5			2.68	A.A.	
507	1633.00	27.9	25.3	12.0	10.7	27.5			2.68	A.A.	
508	1633.25	2.3	1.8			27.3			2.67	A.A.	
509	1633.50	24.5	22.1			27.5			2.68	A.A.	





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		K <sub>a</sub>	K <sub>l</sub>	K <sub>a</sub>	K <sub>l</sub>	He	Sum.	S <sub>o</sub>	S <sub>w</sub>		
	1638.00										
525	1638.00	4311	4186	497	465	30.8			2.69		Sst.Gry.M-gr.Sbang.VP-cmt.w/Mic.Calc.
526	1638.25	1259	1202			34.0			2.67		A.A.Lt-gry.F-gr.Fr-cmt.W-srt.
527	1638.50	24924	24555			32.0			2.65		Sd.Lt-gry.M/Crs-gr.Sbang.Fr-srt.w/Mic.
528	1638.75	609	573			35.9			2.69		Sst.Lt-gry.F-gr.Sbang.Fr-cmt.w/Mic.Calc.
529	1639.00	281	259	118	106	34.6			2.69		A.A.
530	1639.25	19437	19121			32.8			2.66		Sd.Lt-gry.M-Crs-grSbangFr-srt.w/Mic.foss
531	1639.50	342	317			36.5			2.68		Sst.Lt-gry.F-gr.Sbang.Fr-cmt.w/Mic.Calc.
532	1639.75	492	460			36.8			2.68		A.A.Fr-srt.w/foss.
533	1640.00	365	338	160	145	37.1			2.68		A.A.
534	1640.25	72.5	63.4			29.2			2.68		A.A.VF-gr.W-cmt.C/Mic-lam.
535	1640.75	70.2	61.0			28.5			2.68		A.A.
536	1641.00	34.9	29.5	28.5	24.4	27.0			2.67		A.A.
537	1641.25	42.0	35.6			27.4			2.68		A.A.
538	1641.50	57.6	49.6			28.5			2.68		A.A.
539	1641.75	7.2	5.6			24.2			2.67		A.A.
540	1642.00	20.9	17.1	11.0	8.9	26.5			2.67		A.A.
541	1642.25	8.8	6.9			25.1			2.68		A.A.
542	1642.50	28.8	23.9			28.0			2.68		A.A.
543	1642.75	16.8	13.5			25.9			2.68		A.A.
544	1643.00	14.7	11.7	9.2	7.3	26.6			2.67		A.A.
545	1643.25	38.1	32.1			28.4			2.69		A.A.
546	1643.50	134	120			30.6			2.74		A.A.F-gr.Fr-srt.w/Pyr.
547	1643.75	213	194			33.3			2.74		A.A.Gry.Fr-cmt.
548	1644.00	380	353	155	140	34.6			2.72		A.A.
549	1644.50	0.29	0.22			9.9			2.70		Calc-sst.Lt-gry.F-gr.Sbang.VW-cmt.w/Mic
550	1644.75	390	363			29.3			2.72		Sst.Gry.F-gr.Sbang.Fr-cmt.w/Mic.Pyr.Calc
551	1645.00	1141	1086	1797	1725	36.7			2.69		A.A.Fr-srt.w/o Calc.

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Plug No.	Depth (meter)	Permeability (mD),				Porosity (%)		Pore saturation		Grain dens. g/cc	Formation Description
		horizontal K <sub>a</sub>	K <sub>1</sub>	vertical K <sub>a</sub>	K <sub>1</sub>	He	Sum.	S <sub>o</sub>	S <sub>w</sub>		
552	1645.25	132	119			33.1			2.70	A.A.w/Calc.	
553	1645.50	554	519			37.5			2.68	A.A.w/o Pyr.	
554	1645.75	225	206			34.8			2.69	A.A.	
555	1646.25	npp									
556	1646.50	0.042	0.030			2.7			2.68	Calc-sst.Lt-gr.F-gr.Sbang.VW-cmt.w/Mic.	
557	1646.75	7.0	5.4			14.0			2.69	A.A.W-srt.	
558	1647.00	937	889	376	349	31.6			2.68	Sst.Lt-gry.F-gr.Sbang.Fr-cmt.w/Mic.Calc.	
559	1647.25	705	666			29.9			2.69	A.A.Fr-srt.w/foss.	
560	1647.50	364	338			35.3			2.69	A.A.	
561	1647.75	318	294			35.3			2.68	A.A.	
562	1648.00	522	489	431	402	36.3			2.68	A.A.	
563	1648.25	1268	1210			37.7			2.69	A.A.	
564	1648.50	383	356			35.0			2.68	A.A.	
565	1649.00	575	540	412	383	36.4			2.68	A.A.	
566	1649.25	289	267			33.8			2.69	A.A.	
567	1649.50	0.063	0.047			2.3			2.69	Calc-sst.Lt-gry.F-gr.Sbang.VW-cmt.w/Mic.	
568	1649.75	0.033	0.024			2.6			2.71	A.A.W-srt.	
569	1650.00	0.026	0.019	0.058	0.043	1.9			2.70	A.A.	
570	1650.25	306	282			35.6			2.70	Sst.Lt-gry.F-gr.Sbang.Fr-cmt.w/Mic.Calc.	
571	1650.50	391	364			34.1			2.70	A.A.P-srt.ltl-Pyr.w/foss.	
572	1650.75	205	187			33.2			2.68	A.A.w/C	
573	1651.00	124	111	85.7	76.0	32.4			2.69	A.A.W-cmt.	
574	1651.50	184	168			32.2			2.68	A.A.w/o Pyr.	
575	1651.75	167	152			30.7			2.68	A.A.	
576	1652.00	85.8	76.1	76.8	67.1	30.3			2.68	A.A.	
577	1652.25	47.8	41.7			28.1			2.68	A.A.	
578	1652.50	143	129			31.5			2.68	A.A.	

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Plug No.	Depth (meter)	Permeability (mD),				Porosity (%)		Pore saturation		Grain dens. g/cc	Formation Description
		horizontal K <sub>a</sub>	K <sub>1</sub>	vertical K <sub>a</sub>	K <sub>1</sub>	He	Sum.	S <sub>o</sub>	S <sub>w</sub>		
579	1652.75	37.6	32.4			26.6			2.67	A.A.	
580	1653.00	162	147	47.8	40.8	31.4			2.69	A.A.	
581	1653.25	59.1	51.9			27.1			2.69	A.A.	
582	1653.50	5.5	4.7			20.2			2.69	A.A.Calc.WV-cmt.	
583	1653.75	7.0	6.1			21.5			2.69	A.A.	
584	1654.25	43.0	37.3	11.1	10.0	28.5			2.68	A.A.W-cmt.decr-Calc.	
585	1654.50	155	140			31.8			2.68	A.A.	
586	1654.75	98.2	87.2			29.7			2.68	A.A.	
587	1655.00	77.2	68.3	13.6	10.8	30.6			2.68	A.A.	
588	1655.25	31.9	27.1			29.0			2.69	A.A.	
589	1655.50	73.2	64.2			27.4			2.74	A.A.w/Sid.	
590	1655.75	25.3	21.4			25.9			2.68	A.A.w/o Sid.	
591	1656.00	16.5	13.7	8.1	6.3	27.6			2.68	A.A.VF-gr.	
592	1656.25	5.8	5.0			22.0			2.67	A.A.WV-cmt.	
593	1656.50	4.7	4.0			23.0			2.68	A.A.	
594	1657.00	4.5	3.9	0.078	0.058	23.0			2.68	A.A.	
595	1657.25	6.7	5.8			23.6			2.68	A.A.	
596	1657.50	7.7	6.7			24.5			2.68	A.A.	
597	1657.75	18.7	15.1			27.1			2.75	A.A.w/Sid.	
598	1658.00	24.0	19.7	7.8	7.0	28.0			2.70	A.A.ltl-Sid.	
599	1658.25	74.2	64.7			31.2			2.70	A.A.W-cmt.	
600	1658.50	0.029	0.021			1.6			2.69	Calc-sst.Lt-gry.VF-gr.Sbang.WV-cmt.w/Mic	
601	1658.75	170	154			26.7			2.68	Sst.Lt-gry.F-gr.Sbang.W-cmt.w/Mic.Calc.	
602	1659.00	204	186	87.8	77.2	29.2			2.70	A.A.Fr-srt.w/foss.ltl-Sid.	
603	1659.25	119	107			30.2			2.70	A.A.	
604	1659.75	423	394			35.4			2.69	A.A.Fr-cmt.W-srt.w/o Sid.	
605	1660.00	400	372	484	453	34.3			2.68	A.A.	



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Plug No.	Depth (meter)	Permeability (mD),				Porosity (%)		Pore saturation		Grain dens. g/cc	Formation Description
		horizontal K <sub>a</sub>	K <sub>l</sub>	vertical K <sub>a</sub>	K <sub>l</sub>	He	Sum.	S <sub>O</sub>	S <sub>w</sub>		
	1665.50										
626	1665.50	npp									
627	1665.75	6512	6350			36.9				2.67	Sd.Lt-gry.M-gr.Sbang.W-srt.w/Mic.
628	1666.00	377	350	307	283	26.6				2.68	Sst.Lt-gry.F-gr.Sbang.Fr-cmt.w/Mic.Calc
629	1666.25	0.083	0.061			10.9				2.67	Calc-sst.Lt-gry.F-gr.Sbang.VW-cmt.w/Mic.
630	1666.50	62.6	54.1			24.5				2.69	A.A.W-cmt.W-srt.
631	1666.75	23.3	19.7			18.9				2.68	A.A.
632	1667.00	1298	1239	542	509	32.4				2.67	Sst.Lt-gry.F-gr.Sbang.P-cmt.W-srt.w/Mic.
633	1667.25	218	199			32.7				2.68	A.A.P-srt.Calc-abd.
634	1667.50	413	385			34.6				2.67	A.A.
635	1667.75	292	269			34.9				2.68	A.A.
636	1668.25	0.049	0.036	2.9	2.5	3.0				2.69	Calc-sst.Gry.F-gr.Sbang.VW-cmt.w/Pyr.Cl.
637	1668.50	812	768			36.5				2.67	Sst.Lt-gry.F-gr.Sbang.Fr-cmt.w/Mic.Cl.
638	1668.75	0.42	0.32			12.4				2.75	Calc-sst.Lt-gry.F-gr.Sbang.VW-cmt.w/Sid.
639	1669.00	773	731	668	629	34.4				2.66	Sst.Lt-gry.F-gr.Sbang.Fr-cmt.w/Mic.Calc.
640	1669.25	630	593			33.7				2.66	A.A.W-srt.
641	1669.50	277	255			32.6				2.66	A.A.Fr-srt.
642	1669.75	389	362			33.0				2.67	A.A.W-srt.
643	1670.00	648	610	377	350	34.6				2.67	A.A.
644	1670.25	467	436			33.9				2.67	A.A.
645	1670.50	0.66	0.51			4.5				2.67	A.A.VW-cmt.Calc-abd.w/Cl.
646	1671.00	398	371	289	266	34.2				2.67	A.A.VF-gr.Fr-cmt.w/Calc.Cl.
647	1671.25	246	226			31.7				2.67	A.A.C-lam.ltl-Sid.
648	1671.50	734	693			36.1				2.67	Sst.Lt-gry.F-gr.Sbang.VP-cmt.W-srt.w/Mic
649	1671.75	516	484			34.7				2.66	A.A.Fr-cmt.
650	1672.00	510	477	362	348	34.8				2.67	A.A.w/Calc.
651	1672.25	295	272			33.6				2.68	A.A.VF-gr.
652	1672.50	265	243			32.1				2.68	A.A.

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Plug No.	Depth (meter)	Permeability (mD),				Porosity (%)		Pore saturation		Grain dens. g/cc	Formation Description
		horizontal K <sub>a</sub>	K <sub>l</sub>	vertical K <sub>a</sub>	K <sub>l</sub>	He	Sum.	S <sub>o</sub>	S <sub>w</sub>		
653	1672.75	186	169			32.0			2.67	A.A.lt1-C	
654	1673.00	101	89.9	21.5	19.5	30.4			2.67	A.A.	
655	1673.25	77.4	68.3			30.3			2.68	A.A.VW-cmt.w/Cl.	
656	1673.75	55.7	48.3			29.8			2.68	A.A.	
657	1674.00	15.7	13.0	19.4	17.5	26.2			2.71	A.A.w/Sid.	
658	1674.25	16.0	13.1			26.8			2.76	A.A.	
659	1674.50	35.7	30.4			29.1			2.68	A.A.w/o Sid.	
660	1674.75	27.6	23.1			25.4			2.69	A.A.w/Sid.	
661	1675.00	29.2	24.5	10.6	9.3	27.3			2.68	A.A.	
662	1675.25	11.4	9.0			27.2			2.72	A.A.w/Pyr.	
663	1675.50	41.8	36.3			28.6			2.72	A.A.w/o Pyr.	
664	1675.75	65.1	57.1			30.4			2.70	A.A.	
665	1676.50	47.7	41.4	31.3	26.1	30.1			2.72	A.A.	
666	1676.75	31.0	26.6			29.3			2.71	A.A.	
667	1677.00	3.4	2.9	2.2	1.7	22.2			2.72	A.A.Calc-abd.	
668	1677.25	3.0	2.6			21.8			2.72	A.A.	
669	1677.50	5.8	12.7			24.6			2.72	A.A.	
670	1677.75	1.4	1.1			21.2			2.71	A.A.	
671	1678.00	0.27	0.20	0.40	0.30	16.0			2.71	A.A.Gry.Cl-mtrx.	
672	1678.25	0.49	0.38			21.6			2.70	A.A.	
673	1678.50	0.52	0.40			21.4			2.71	A.A.	
674	1679.00	0.38	0.29	0.12	0.088	20.7			2.70	A.A.	
675	1679.25	0.48	0.37			21.0			2.69	A.A.	
676	1679.50	0.33	0.25			19.7			2.69	A.A.	
677	1679.75	9.8	8.6			20.0			2.68	A.A.	
678	1680.00	0.31	0.24	0.24	0.18	20.0			2.68	A.A.w/o Sid.w/Pyr.	
679	1680.25	0.37	0.28			18.9			2.68	A.A.	

# FINAL REPORT

PAGE: 3

COMPANY : STATOIL  
 WELL : 31/6-5  
 FIELD : 31/6  
 STATE : NORWAY

CORE NO.: 9 (cont.)

DATE: JUNE 1984



Plug No.	Depth (meter)	Permeability (mD),				Porosity (%)		Pore saturation		Grain dens. g/cc	Formation Description
		K <sub>a</sub>	K <sub>l</sub>	K <sub>a</sub>	K <sub>l</sub>	He	Sum.	S <sub>o</sub>	S <sub>w</sub>		
680	1680.50	0.33	0.25						2.67	A.A.	
681	1680.75	0.31	0.24						2.66	A.A.w/o Pyr.	
682	1681.00	0.36	0.27	0.11	0.080	18.4			2.67	A.A.w/Pyr.	
683	1681.25	0.39	0.30			18.8			2.66	A.A.w/o Pyr.	
684	1681.75	0.32	0.24			18.4			2.66	A.A.	
685	1682.00	0.24	0.18	0.090	0.067	17.7			2.64	A.A.ltl-Calc.	
686	1682.25	0.28	0.22			18.9			2.66	A.A.incr.Calc.	
687	1682.50	0.29	0.22			17.2			2.64	A.A.ltl-Calc.	
688	1682.75	0.17	0.13			16.9			2.67	A.A.incr.Calc.	
689	1683.00	0.19	0.15	0.046	0.034	17.4			2.68	A.A.	
690	1683.25	0.20	0.15			17.3			2.64	A.A.ltl-Calc.	
691	1683.50	0.17	0.13			16.9			2.68	A.A.incr-Calc.	
692	1683.75	0.10	0.078			15.9			2.64	A.A.ltl-Calc.	
693	1684.00	0.093	0.070	0.042	0.031	16.3			2.63	A.A.	
694	1684.50	0.074	0.054			15.7			2.65	A.A.	
695	1684.75	0.098	0.073			16.9			2.67	A.A.	
696	1685.00	0.23	0.17	0.36	0.27	21.8			2.70	A.A.incr-Calc.w/Glauc.	
697	1685.25	0.29	0.22			21.2			2.71	A.A.lt-gry.W-cmt.ltl-Cl.	
698	1685.50	0.17	0.13			13.3			2.72	Calc-sst.lt-gry.F-gr.Sbang.W-cmt.w/Mic.	
699	1685.75	1.5	1.2			21.2			2.72	A.A.W-srt.	
700	1686.00	32.2	29.3	65.4	61.3	29.6			2.70	A.A.W-cmt.Fr-srt.	
701	1686.25	65.0	60.6			30.2			2.69	A.A.	
702	1686.50	26.2	23.7			24.4			2.70	A.A.	
703	1686.75	96.3	90.5			31.8			2.69	A.A.	
704	1687.25	133	125	115	109	33.1			2.68	A.A.Fr-cmt.	
705	1687.50	104	93.4			32.3			2.69	A.A.	
706	1687.75	51.5	44.8			32.4			2.69	A.A.	





COMPANY : STATOIL  
 WELL : 31/6-5  
 FIELD : 31/6  
 STATE : NORWAY

## FINAL REPORT

PAGE: 1

CORE NO.: 10

DATE: JUNE 1984



Plug No.	Depth (meter)	Permeability (mD),				Porosity (%)		Pore saturation		Grain dens. g/cc	Formation Description
		K <sub>a</sub>	K <sub>l</sub>	K <sub>a</sub>	K <sub>l</sub>	He	Sum.	S <sub>O</sub>	S <sub>w</sub>		
	1693.00										
728	1693.75	1.8	1.4			17.8			2.67	Sst.Lt-gry.VF-gr.Sbang.WW-cmt.w/Mic.Cl.	
729	1694.00	0.49	0.38	0.099	0.074	16.6			2.68	A.A.Slty.WW-srt.w/Calc.	
730	1694.25	0.71	0.55			17.3			2.71	A.A.w/Sid.	
731	1694.50	0.27	0.20			16.8			2.65	A.A.w/o Sid.	
732	1694.75	0.45	0.34			16.1			2.65	A.A.	
733	1695.00	0.36	0.27	0.045	0.033	16.3			2.66	A.A.	
734	1695.25	0.34	0.26			15.9			2.67	A.A.w/foss.	
735	1695.75	0.99	0.77			19.7			2.69	A.A.ltl-Pyr.	
736	1696.00	0.30	0.23	0.063	0.046	17.0			2.67	A.A.w/o Pyr.	
737	1696.25	0.36	0.28			15.6			2.66	A.A.	
738	1696.50	0.59	0.46			18.7			2.71	A.A.w/Pyr.	
739	1696.75	0.80	0.62			21.5			2.68	A.A.W-cmt.W-srt.	
740	1697.00	11.3	10.2	1.1	0.88	16.9			2.67	Sst.Lt-gry.F-gr.Sbang.WW-cmt.Calc.w/Mic.	
741	1697.25	49.6	42.6			18.3			2.68	A.A.W-srt.w/foss.	
742	1697.50	455	425			31.7			2.67	A.A.Fr-cmt.	
743	1697.75	141	126			31.0			2.69	A.A.Mic-lam.ltl-C.	
744	1698.00	45.8	39.2	31.9	26.6	28.7			2.69	A.A.VF-gr.w/Cl.	
745	1698.50	11.0	8.7			28.6			2.69	A.A.	
746	1698.75	4.9	4.3			22.7			2.69	A.A.W-cmt.	
747	1699.00	9.3	7.3	4.6	4.0	24.5			2.69	A.A.decr.Calc.	
748	1699.25	3.7	3.1			21.8			2.69	A.A.Gry.	
749	1699.50	5.5	4.8			23.0			2.69	A.A.	
750	1699.75	2.6	2.2			21.1			2.70	A.A.w/Sid.	
751	1700.00	8.4	6.6	3.9	3.4	23.8			2.69	A.A.	
752	1700.25	3.2	2.7			22.6			2.69	A.A.	
753	1700.50	8.7	7.4			23.8			2.70	A.A.	
754	1700.75	5.9	5.3			23.5			2.69	A.A.	

COMPANY : STATOIL  
 WELL : 31/6-5  
 FIELD : 31/6  
 STATE : NORWAY

FINAL REPORT

PAGE: 2

CORE NO.: 10 (cont.)

DATE: JUNE 1984



Plug No.	Depth (meter)	Permeability (mD),				Porosity (%)		Pore saturation		Grain dens. g/cc	Formation Description
		horizontal K <sub>a</sub>	K <sub>1</sub>	vertical K <sub>a</sub>	K <sub>1</sub>	He	Sum.	S <sub>o</sub>	S <sub>w</sub>		
755	1701.25	3.5	3.0	1.3	1.0	22.5				2.69	A.A.
756	1701.50	5.2	4.5			23.7				2.69	A.A.
757	1701.75	3.8	3.2			23.0				2.69	A.A.
758	1702.00	6708	6544	3858	3741	35.0				2.66	Sd.Lt-gry.M/Crs-gr.Sbang.W-srt.ltl-Mic.
759	1702.25	3486	3376			33.7				2.67	A.A.Fr-srt.
760	1702.50	8532	8341			34.4				2.65	A.A.W-srt.
761	1702.75	11634	11403			36.4				2.66	A.A.
762	1703.00	11459	11230	7685	7506	35.2				2.66	A.A.
763	1703.25	5433	5288			32.8				2.67	A.A.
764	1703.50	420	392			27.8				2.68	A.A.Fr-srt.w/Calc.
765	1704.00	3163	3060	1783	1711	33.4				2.66	A.A.w/o Calc.
766	1704.25	5474	5329			32.6				2.65	A.A.
767	1704.50	2754	2659			32.3				2.66	A.A.
768	1704.75	3434	3326			34.2				2.65	A.A.
769	1705.00	11524	11294	3737	3622	34.9				2.65	A.A.w/foss.
770	1705.25	1010	959			32.9				2.67	A.A.M-gr.W-srt.w/o foss.w/Mic.
771	1705.50	5252	5110			32.9				2.65	A.A.M/Crs-gr.
772	1705.75	449	419			35.3				2.67	A.A.F/M-gr.w/Cl.
773	1706.00	npp									
774	1706.50	25.0	20.2			27.0				2.71	Sst.Lt-gry.F-gr.Sbang.W-cmt.w/Mic.Pyr.
775	1706.75	23.7	19.5			27.0				2.70	A.A.W-srt.w/Calc.
776	1707.00	15.6	14.0	4.0	3.4	24.4				2.67	A.A.VF-gr.VW-cmt.w/o Pyr.
777	1707.25	7035	6885			31.0				2.68	Sd.Lt-gry.M/Crs-gr.Sbang.W-cmt.w/Mic.
778	1707.50	51.9	44.5			26.2				2.71	Sst.Lt-gry.F-gr.Sbang.W-cmt.w/Mic.Pyr.
779	1707.75	4468	4340			30.9				2.67	Sd.Lt-gry.M/Crs-gr.Sbang.Fr-srt.w/Mic.
780	1708.00	5.0	4.4	0.56	0.44	18.4				2.68	Sst.Gry.M-gr.Sbang.VW-cmt.Cl-mtrx.w/Mic.
781	1708.25	2.0	1.6			19.4				2.67	A.A.VF-gr.W-srt.w/Calc.

# FINAL REPORT

COMPANY : STATOIL  
 WELL : 31/6-5  
 FIELD : 31/6  
 STATE : NORWAY

CORE NO.: 10 (cont.)

PAGE: 3

DATE: JUNE 1984



Plug No.	Depth (meter)	Permeability (mD),				Porosity (%)		Pore saturation		Grain dens. g/cc	Formation Description
		horizontal K <sub>a</sub>	vertical K <sub>l</sub>	K <sub>a</sub>	K <sub>l</sub>	He	Sum.	S <sub>o</sub>	S <sub>w</sub>		
782	1708.50	402	374			30.5			2.68	Sst.Lt-gry.M-gr.Sbang.P-cnt.P-srt.w/Mic.	
783	1708.75	601	565			31.9			2.68	Sd.Lt-gry.M-gr.Sbang.Fr-srt.w/Mic.	
784	1709.25	76.7	67.1	101	89.2	29.8			2.70	Sst.Lt-gry.F-gr.Sbang.W-cnt.w/Mic.Calc.	
785	1709.50	59.3	52.0			26.5			2.70	A.A.VP-srt.w/Cl.Sid.	
786	1709.75	734	693			32.2			2.68	Sst.Lt-gry.F/M-gr.Sbang.Fr-cnt.w/Mic.	
787	1710.00	812	768	612	575	32.4			2.69	A.A.W-srt.w/Calc.	
788	1710.25	66.4	57.9			29.6			2.69	A.A.	
789	1710.50	0.035	0.025			2.0			2.69	Calc-sst.Lt-gry.F-gr.Sbang.W-cnt.w/Mic.	
790	1710.75	0.031	0.023			1.6			2.71	A.A.W-srt.	
791	1711.25	2.3	1.7	135	121	30.4			2.69	A.A.W-cnt.w/foss.	
792	1711.50	478	447			32.8			2.68	Sst.Lt-gry.F-gr.Sbang.Fr-cnt.w/Mic.Calc.	
793	1712.00	1257	1199	444	415	28.1			2.66	A.A.Fr-srt.	
794	1712.25	861	815			30.7			2.67	A.A.W-srt.	
795	1712.50	634	597			31.9			2.67	A.A.	
796	1712.75	512	479			31.9			2.68	A.A.	
797	1713.00	829	784	1151	1096	35.1			2.68	A.A.	
798	1713.25	725	685			33.6			2.68	A.A.	
799	1713.50	5400	5256			33.2			2.65	Sd.Lt-gry.F-gr.Sbang.Fr-srt.	
800	1713.75	2280	2196			29.6			2.66	A.A.Crs-gr.	
801	1714.00	22.3	18.3	rmp		19.8			2.69	Sst.Gry.M-gr.Sbang.W-cnt.w/Mic.Cl.Calc.	
802	1714.25	849	804			31.2			2.66	A.A.P-cnt.P-srt.	
803	1714.75	2143	2062			32.9			2.68	Sst.Lt-gry.F/M-gr.Sbang.P-cnt.w/Mic.Calc	
804	1715.00	10.3	8.1	0.59	0.45	19.6			2.74	A.A.Gry.W-cnt.Cl-lam.w/Pyr.Sid.	
805	1715.25	4596	4466			31.1			2.66	Sst.Lt-gry.F/M-gr.Sbang.VP-cnt.w/Mic.	
806	1715.50	5055	4917			31.6			2.66	A.A.VP-srt.	



COMPANY: STATOIL

FIELD: 31/6

FILE:

WELL: 31/6-5

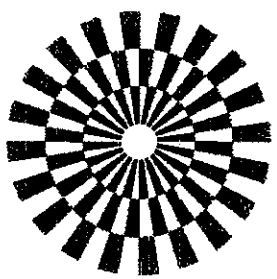
COUNTY:

DATE: JUNE 1984

LOCATION:

STATE: NORWAY

ELEV.:



# CORE GRAPH

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**GECO**  
GEOPHYSICAL COMPANY  
OF NORWAY A.S

VERTICAL SCALE: 1:200

## LABORATORY

### 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 %

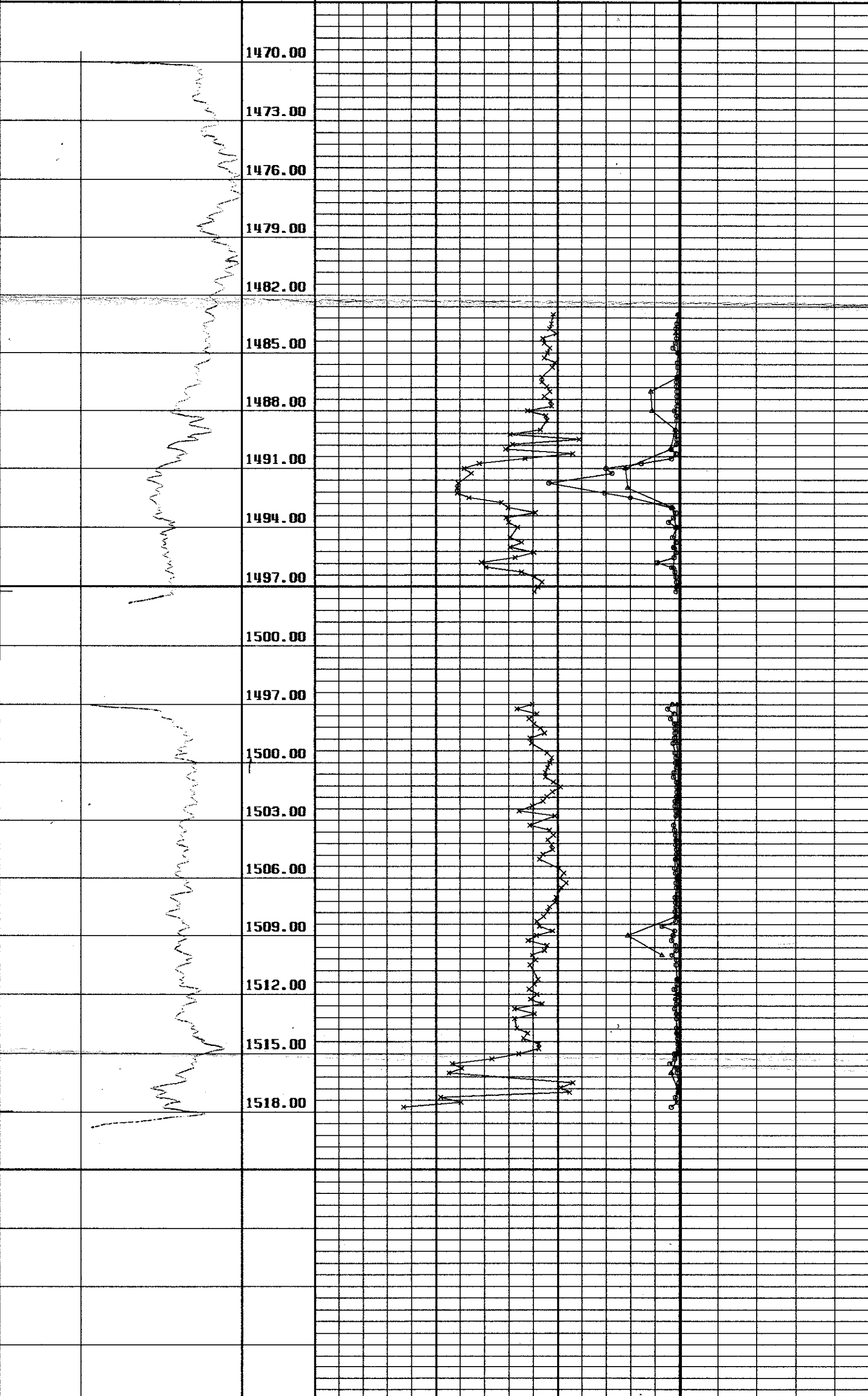
PERMEABILITY mD  
HORIZONTAL  
VERTICAL

FLUID SATURATION

OTHER OIL WATER

CORE NO: 1

CORE NO: 2



### LOGGED INTERVAL:

CORE NO.1 :  
1470.00 - 1497.25

CORE NO.2 :  
1497.00 - 1517.95



COMPANY: STATOIL

FIELD: 31/6

FILE:

WELL: 31/6-5

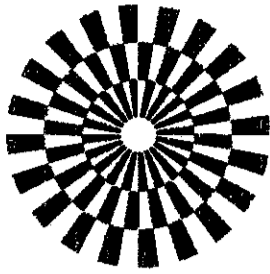
COUNTY:

DATE: JUNE 1984

LOCATION:

STATE: NORWAY

ELEV.:



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OF NORWAY A.S.

VERTICAL SCALE: 1:200

## LABORATORY

**CORE-GAMMA SURFACE-LOG**  
(PATENT APPLIED FOR)  
GAMMA RAY RADIATION INCREASE ----->  
VOLTAGE: 985 VOLT  
INTEGRATING TIME: 11 SEC  
COUNTS PER MINUTE: 10 K

**POROSITY %**  
**PERMEABILITY mD**

HORIZONTAL: x  
VERTICAL: o

1000mD 100mD 10mD 0

**FLUID SATURATION**

OTHER OIL WATER

80 60 40 20 %

**DEPTH METER**

CORE NO: 5

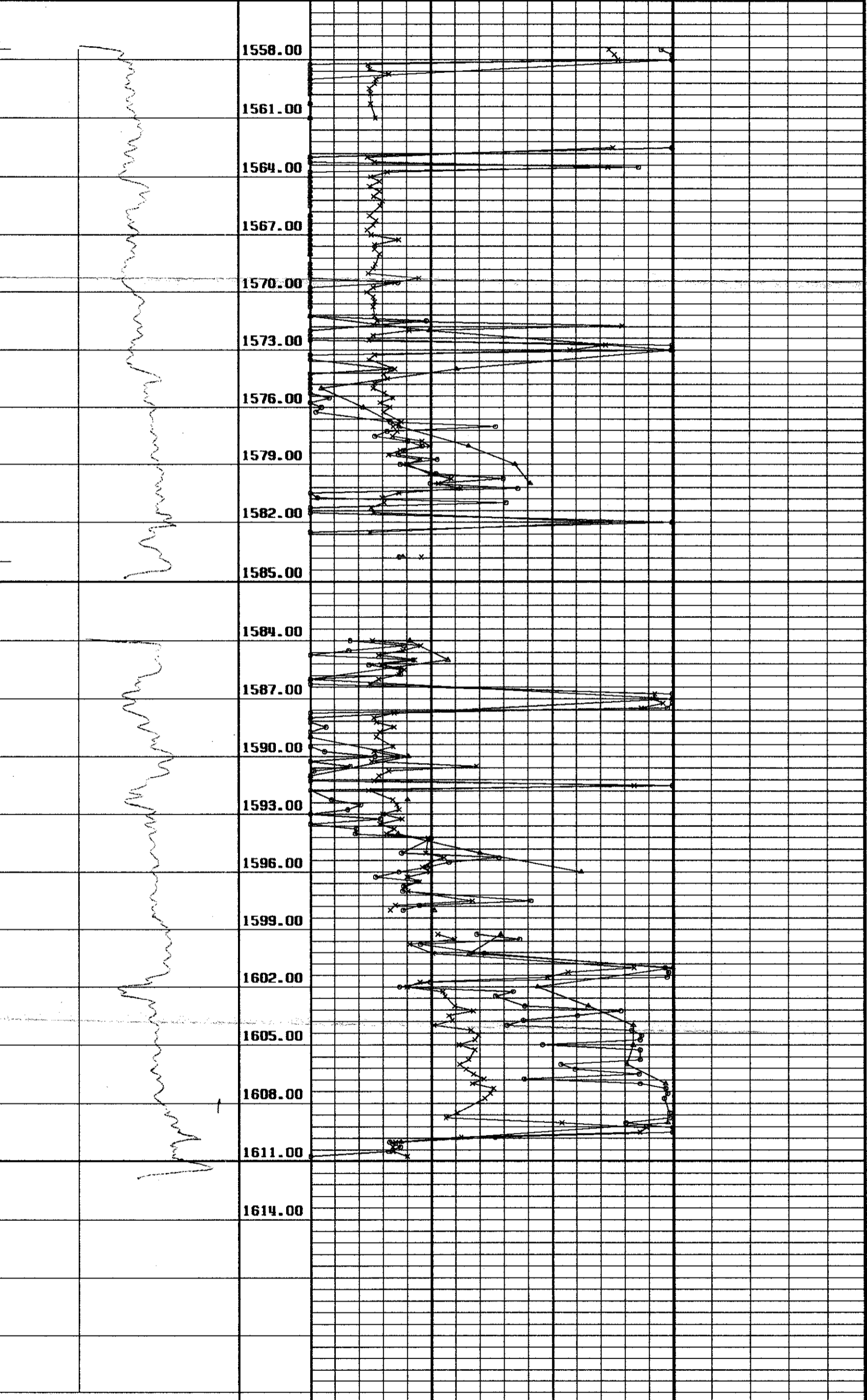
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1558.00  
1561.00  
1564.00  
1567.00  
1570.00  
1573.00  
1576.00  
1579.00  
1582.00  
1585.00  
1584.00  
1587.00  
1590.00  
1593.00  
1596.00  
1599.00  
1602.00  
1605.00  
1608.00  
1611.00  
1614.00

**LOGGED INTERVAL:**

CORE NO.5 :  
1557.50 - 1584.00

CORE NO.6 :  
1584.00 - 1611.00





COMPANY: STATOIL

FIELD: 31/6

FILE:

WELL: 31/6-5

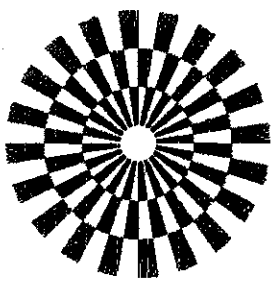
COUNTY:

DATE: JUNE 1984

LOCATION:

STATE: NORWAY

ELEV.:



# CORE GRAPH

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**GECO**  
GEOPHYSICAL COMPANY  
OF NORWAY A.S

VERTICAL SCALE: 1:200

## LABORATORY

### 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 %

PERMEABILITY mD

HORIZONTAL

VERTICAL

FLUID SATURATION

OTHER

OIL

WATER

% 42 39 36 33 30 27 24 21 18 15 12 9 6 3 %

80 60 40 20 %

1000mD

100mD

10mD

0

CORE NO: 7

CORE NO: 8

1611.00

1614.00

1617.00

1620.00

1623.00

1626.00

1629.00

1632.00

1635.00

1638.00

1638.00

1641.00

1644.00

1647.00

1650.00

1653.00

1656.00

1659.00

1662.00

1665.00

1668.00

### LOGGED INTERVAL:

CORE NO. 7 :  
1611.00 - 1637.75

CORE NO. 8 :  
1638.00 - 1665.80

COMPANY: STATOIL

FIELD: 31/6

FILE:

WELL: 31/6-5

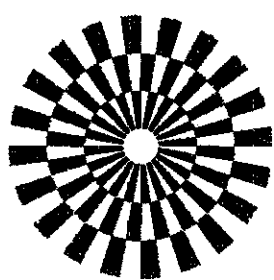
COUNTY:

DATE: JUNE 1984

LOCATION:

STATE: NORWAY

ELEV.:



**GECO**  
GEOPHYSICAL COMPANY  
OF NORWAY A.S

# CORE GRAPH

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VERTICAL SCALE: 1:200

## LABORATORY

### 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 & PERMEABILITY

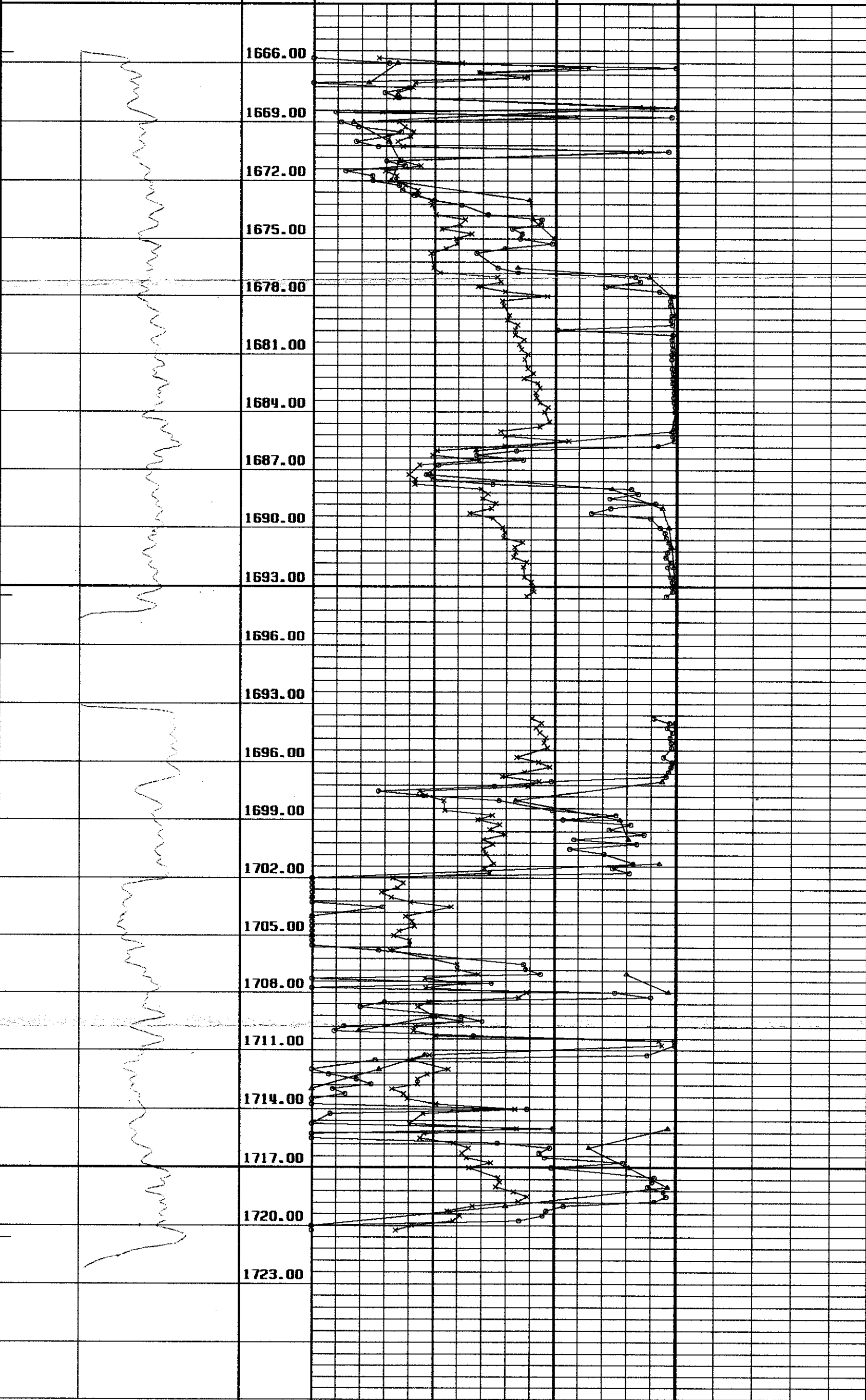
PERMEABILITY mD  
POROSITY %  
HORIZONTAL  
VERTICAL

### FLUID SATURATION

OTHER DIL WATER  
80 60 40 20 %

CORE NO: 9

CORE NO: 10



### LOGGED INTERVAL:

CORE NO. 9 :  
1665.50 - 1693.50

CORE NO. 10 :  
1693.00 - 1720.65