STATOIL

ROUTINE CORE ANALYSIS

WELL: 31/6-2

DATE: FEBRUARY 1984

GECO
GEOPHYSICAL COMPANY
OF NORWAY A·S

GECO

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WELL: 31/6-2

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ROUTINE CORE ANALYSIS

COMMENTS

Core analysis has been performed on one inch samples from core nos. 1-9.

Intervals selected to be unfrozen:

Core no.	1:	1435.00 - 1453.30
Core no.	2:	1453.00 - 1460.35
		1463.00 - 1464.35
		1465.85 - 1467.05
		1468.55 - 1470.35

Intervals selected to be frozen:

Core no.	2:	1460.35 - 1463.00
		1464.35 - 1465.85
		1467.05 - 1468.55
		1470.35 - 1471.41
Core no.	3:	1471.60 - 1483.60
Core no.	4:	1483.60 - 1497.10
Core no.	5:	1497.20 - 1515.90
Core no.	6:	1515.70 - 1543.40
Core no.	7:	1543.60 - 1571.50
Core no.	8:	1571.50 - 1589.00
Core no.	9:	1591.00 - 1618.30

The samples collected from the frozen intervals were gently drilled and cut in frozen condition using liquid nitrogen as a coolant. The plugs were then mounted frozen in Hassler-type core holders and thereafter allowed to thaw. After cleaning and drying was complete, standard air permeability was measured by injection of nitrogen gas and then converted empirically to liquid permeability. Porosity (pore volume) was measured by injection of helium gas.

The samples collected from unfrozen intervals were also measured for standard air permeability (Hassler holder) and converted empirically to obtain liquid permeability values. Porosity was determined by using a Boyle's law porosimeter (grain volume) and a mercury pump (bulk volume).

All measurements completed using Hassler-type sample holders were completed using a net confining sleeve pressure of 15 bar.

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Depth

Depth (metre) refers to Core Gamma Ray, which is Measured Depth with reference to RKB.

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

COMPANY : STATOIL
WELL : 31/6-2
FIELD : 31/6
STATE : NORWAY

FINAL REPORT

CORE NO.: 1

DATE: FEBRUARY 1984

GECO
GEOPHYSICAL COMPANY OF NORWAY A/S
Petroleum laboratory

Plug No.	Depth (meter)	Permeability (mD), horizontal K_a	horizontal K_l	vertical K_a	vertical K_l	Porosity (%) He	Porosity (%) Sum.	Pore saturation S_o	Pore saturation S_w	Grain dens. g/cc	Formation Description
	1435.00										
1	1435.50	0.37	0.28	0.11	0.083	18.9				2.69	Sst.Gry.VF-gr.Sbang.VW-cmt.w/Calc.
2	1435.75	0.30	0.23			17.7				2.68	A.A.VW-srt.Cl-mtx.Mic-lam.
3	1436.00	0.28	0.21			17.0	25.8	3.0	84.5	2.68	A.A.
4	1436.25	0.52	0.40			18.1				2.67	A.A.
5	1436.50	2.4	1.9	0.12	0.092	18.6				2.66	A.A.
6	1436.75	2.0	1.6			20.1				2.68	A.A.
7	1437.00	0.27	0.20			16.9	11.0	9.6	72.1	2.66	A.A.w/o Calc.
8	1437.25	0.30	0.23			18.5				2.65	A.A.
9	1437.50	0.72	0.56	nmp		19.7				2.67	A.A.
10	1438.00	0.25	0.19			17.9	8.3	0	57.0	2.68	A.A.w/Calc.
11	1438.25	0.42	0.32			18.3				2.63	A.A.w/C
12	1438.50	0.22	0.17	0.041	0.030	17.4				2.65	A.A.
13	1438.75	0.25	0.19			17.1				2.65	A.A.
14	1439.00	0.33	0.25			17.0	17.5	4.3	75.4	2.64	A.A.
15	1439.25	0.36	0.27			17.2				2.65	A.A.
16	1439.50	0.17	0.13	0.090	0.067	17.1				2.66	A.A.
17	1439.75	0.23	0.18			16.4				2.65	A.A.
18	1440.00	0.21	0.16			17.1	24.3	8.6	79.4	2.65	A.A.
19	1440.25	0.26	0.19	0.085	0.063	17.5				2.67	A.A.w/o C
20	1440.75	0.35	0.27			18.6				2.67	A.A.
21	1441.00	0.096	0.072			17.1	13.4	0	76.4	2.74	A.A.Calc-abd.w/Pyr.
22	1441.25	0.20	0.15			17.7				2.65	A.A.ltl-Calc.w/oPyr.
23	1441.50	nmp		0.085	0.063	18.6				2.67	A.A.fis.
24	1441.75	0.25	0.19			19.3				2.71	A.A.w/o fis.w/Pyr.
25	1442.00	0.44	0.34			20.7	22.9	1.2	82.7	2.69	A.A.
26	1442.25	0.48	0.37			18.4				2.68	A.A.
27	1442.50	nmp		0.087	0.064	18.6				2.66	A.A.fis.

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FINAL REPORT

CORE NO.: 1 (cont.)

DATE: FEBRUARY 1984

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GEOPHYSICAL COMPANY OF NORWAY A/S
Petroleum laboratory

Plug No.	Depth (meter)	Permeability (mD), horizontal K_a	horizontal K_l	vertical K_a	vertical K_l	Porosity (%) He	Porosity (%) Sum.	Pore saturation S_o	Pore saturation S_w	Grain dens. g/cc	Formation Description
28	1443.25	0.53	0.41			18.2				2.68	A.A.w/o fis.
29	1443.50	0.17	0.13	0.066	0.049	16.8	21.1	3.7	82.1	2.66	A.A.
30	1443.75	0.18	0.14			17.3				2.77	A.A.Pyr-abd.
31	1444.00	nmp				19.1	7.8	0	60.2	2.67	A.A.ltl-Pyr.w/o Calc.
32	1444.25	1.2	0.96			19.7				2.67	A.A.
33	1444.50	0.39	0.30	0.16	0.12	19.1				2.69	A.A.
34	1444.75	nmp				18.1				2.67	A.A.fis.w/o Pyr.
35	1445.00	0.34	0.26			19.9	23.1	4.5	79.3	2.68	A.A.
36	1445.25	0.49	0.38			20.6				2.68	A.A.
37	1445.50	nmp		0.22	0.17	21.9				2.71	A.A.w/Pyr.
38	1446.25	0.095	0.070			17.5	13.2	0	79.2	2.74	A.A.Gn-mott.w/Glauc.
39	1446.50	0.16	0.12	0.094	0.070	19.4				2.72	A.A.
40	1446.75	0.32	0.24			24.4				2.73	A.A.
41	1447.00	1.2	0.97			21.5	15.4	1.6	57.2	2.83	A.A.Pyr-abd.w/Calc.
42	1447.25	0.35	0.27			22.5				2.68	A.A.Lt-gry.ltl-Glauc.w/o Calc.Pyr.
43	1447.50	0.23	0.18	0.20	0.15	21.3				2.69	A.A.
44	1447.75	0.55	0.43			22.7				2.69	A.A.
45	1448.00	1.1	0.89			25.2	10.3	0	28.2	2.69	A.A.
46	1448.25	0.45	0.34	0.28	0.22	22.6				2.69	A.A.
47	1449.00	1.8	1.4			25.9	14.1	0	57.7	2.69	A.A.
48	1449.25	nmp				21.4				2.71	A.A.ltl-Pyr.Calc.fis.w/o Glauc.
49	1449.50	0.85	0.66	nmp		24.1				2.68	A.A. w/o fis.
50	1449.75	1.0	0.78			20.6				2.68	A.A.
51	1450.00	nmp				21.5	7.8	0	25.6	2.69	A.A.fis.
52	1450.25	0.37	0.29			23.0				2.70	A.A.w/o fis.w/Glauc.
53	1450.50	nmp		0.41	0.31	24.7				2.74	A.A.fis.w/Pyr.
54	1450.75	0.61	0.47			23.5				2.68	A.A.w/o Pyr.
55	1451.00	1.1	0.98			20.5	9.3	0	42.8	2.68	A.A.
56	1451.50	nmp		0.67	0.52	24.1				2.69	A.A.fis.

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CORE NO.: 1 (cont.)

DATE: FEBRUARY 1984

GECO
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Petroleum laboratory

Plug No.	Depth (meter)	Permeability (mD), horizontal K_a	horizontal K_1	vertical K_a	vertical K_1	Porosity (%) He	Porosity (%) Sum.	Pore saturation S_o	Pore saturation S_w	Grain dens. g/cc	Formation Description
57	1451.75	0.30	0.22			22.0				2.69	A.A. w/o fis.
58	1452.00	0.88	0.68			24.7	11.9	0	54.3	2.69	A.A.
59	1452.25	0.24	0.18			21.0				2.70	A.A.ltl-Pyr.
60	1452.50	0.13	0.099	0.061	0.045	18.9				2.69	A.A.w/o Pyr.
61	1452.75	0.14	0.11			18.6				2.70	A.A.w/Pyr.
62	1453.00	0.17	0.13			21.0	14.0	0	77.6	2.70	A.A.
	1453.30										

COMPANY : STATOIL
WELL : 31/6-2
FIELD : 31/6
STATE : NORWAY

FINAL REPORT

CORE NO.: 2

DATE: FEBRUARY 1984

GECO
GEOPHYSICAL COMPANY OF NORWAY A-S
Petroleum laboratory

Plug No.	Depth (meter)	Permeability (mD), horizontal K_a	horizontal K_l	vertical K_a	vertical K_l	Porosity (%) He	Porosity (%) Sum.	Pore saturation S_o	Pore saturation S_w	Grain dens. g/cc	Formation Description
	1453.00										
63	1453.25	0.38	0.29			17.8	6.0	0	78.3	2.69	Sst.Gry.VF-gr.Sbrndd.VW-cmt.w/Mic.Glauc.
64	1453.50	0.19	0.14			19.4				2.71	A.A.VW-srt.Cl-mtrx.w/Pyr.C.
65	1453.75	0.14	0.10	0.076	0.056	19.9				2.70	A.A.
66	1454.25	0.57	0.44			23.9	22.0	0	65.1	2.71	A.A.Gn-mott.Glauc-incr.w/o Pyr.
67	1454.50	0.42	0.32			24.1				2.71	A.A.
68	1454.75	0.48	0.37	0.22	0.16	23.2				2.70	A.A.
69	1455.00	0.21	0.16			21.8				2.79	A.A.w/Pyr.Calc.
70	1455.25	0.20	0.15			20.9	14.3	0.9	61.0	2.70	A.A.w/o Pyr.
71	1455.50	0.85	0.66			25.3				2.71	A.A.
72	1455.75	1.2	0.93	0.32	0.24	25.7				2.71	A.A.
73	1456.00	0.30	0.23			22.3				2.71	A.A.
74	1456.25	0.12	0.092			21.5	17.0	0	86.4	2.71	A.A.Gnsh-gry.
75	1456.45	0.22	0.17	0.15	0.12	23.0				2.72	A.A.
76	1457.00	0.030	0.021			8.3				2.71	A.A.Calc.
77	1457.25	0.12	0.091			21.7	16.5	0	82.2	2.73	A.A.w/Pyr.
78	1457.50	0.30	0.23			24.6				2.73	A.A.Glauc-abd.w/o Pyr,Calc,C
79	1457.75	0.32	0.25	0.23	0.18	25.2				2.74	A.A.Gn.
80	1458.00	0.13	0.098			19.8				2.73	A.A.Calc.
81	1458.25	0.25	0.19			18.6	5.9	0	45.7	3.35	A.A.Gnsh-gry.Pyr-abd.w/o Calc.
82	1458.50	0.21	0.16			25.2				2.72	A.A.w/o Pyr.Glauc-decr.
83	1458.75	0.074	0.055	0.052	0.038	22.1				2.72	A.A.
84	1459.00	0.23	0.18			25.6				2.75	A.A.w/Pyr.
85	1459.50	0.054	0.039			17.0	12.7	0	48.6	2.84	A.A.Lt-brn.Calc-mtrx.w/Sid.
86	1459.75	0.062	0.046	0.097	0.072	11.0				2.75	A.A.
87	1460.50	npp									
88	1460.75	npp									
89	1461.00	226	216	12.4	11.0	30.7				2.66	Sst.Lt-gry.F-gr.Sbrndd.W-cmt.C/Mic-lam.
90	1461.25	71.5	66.9			26.3				2.71	A.A.VW-srt.ltl-Sid.

COMPANY : STATOIL
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FIELD : 31/6
STATE : NORWAY

FINAL REPORT

CORE NO.: 2 (cont.)

DATE: FEBRUARY 1984

GECO
GEOPHYSICAL COMPANY OF NORWAY A/S
Petroleum laboratory

Plug No.	Depth (meter)	Permeability (mD), horizontal K_a	horizontal K_l	vertical K_a	vertical K_l	Porosity (%) He	Porosity (%) Sum.	Pore saturation S_o	Pore saturation S_w	Grain dens. g/cc	Formation Description
91	1461.75	477	461	280	269	32.6				2.66	A.A.w/o Sid.
92	1462.00	npp									
93	1462.25	250	240			32.0				2.67	A.A.w/Calc.
94	1462.50	248	237			32.7				2.68	A.A.
95	1462.75	npp									
96	1463.00	76.2	71.3	4.5	3.8	27.2				2.66	A.A.
97	1463.25	nmp				28.4	19.2	0	23.8	2.67	Sst.Lt-gry.F-gr.Sbang.W-cmt.Mic-lam.w/C.
98	1463.50	774	752			32.2				2.68	A.A.W-srt.
99	1463.75	473	457	411	396	31.6				2.70	A.A.w/Pyr.
100	1464.00	33.7	30.8			26.1				2.69	A.A.VF-gr.w/Cl.
101	1464.50	510	493			33.2				2.68	A.A.
102	1464.75	2247	2204			38.1				2.65	A.A.VP-cmt.w/o Calc.
103	1465.00	988	962			36.7				2.69	A.A.Fr-cmt.ltl-Pyr.
104	1465.25	930	905			33.4				2.66	A.A.w/o Pyr.
105	1465.50	392	378			29.6				2.67	A.A.
106	1466.00	879	855	901	877	29.2				2.69	A.A.F-gr.
107	1466.25	991	966			31.7	23.2	0	41.6	2.67	A.A.C-lam
108	1466.50	1158	1130			31.6				2.66	A.A.Gry.
109	1466.75			2239	2197						
110	1467.25	152	145			31.6				2.66	A.A.w/o C/Mic-lam.w/Mic.
111	1467.50	1351	1320			35.0				2.66	A.A.VP-cmt.
112	1467.75	2939	2888	761	740	37.1				2.65	Sd.Lt-gry.F-gr.Sbrndd.VW-srt.w/Mic.
113	1468.00	5089	5018			34.6				2.66	Sst.Lt-gry.F-gr.Sbrndd.VP-cmt.w/Mic.
114	1468.25	3506	3450			36.6				2.66	A.A.VW-srt.
115	1468.75	2828	2779	766	744	35.9				2.68	A.A.Lt-gry.w/o Cl.
116	1469.00	592	574			32.2				2.67	A.A.
117	1469.25	260	249			28.0	29.3	0	13.7	2.68	A.A.
118	1470.00	1657	1622	18.4	16.4	33.7				2.66	A.A.

COMPANY : STATOIL
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FINAL REPORT

CORE NO.: 2 (cont.)

DATE: FEBRUARY 1984

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GEOPHYSICAL COMPANY OF NORWAY A/S
Petroleum laboratory

Plug No.	Depth (meter)	Permeability (mD), horizontal K_a	horizontal K_l	vertical K_a	vertical K_l	Porosity (%) He	Porosity (%) Sum.	Pore saturation S_o	Pore saturation S_w	Grain dens. g/cc	Formation Description
119	1470.25	419	404			30.6	15.5	0	24.2	2.67	A.A.
120	1470.50	198	189			31.2				2.66	Sst.Lt-gry.F-gr.Sbrndd.W-cmt.w/Mic.C.
121	1470.75	1141	1113	438	422	34.4				2.67	A.A.VW-srt.w/o C
122	1471.00	2886	2836			35.4				2.65	A.A.Fr-cmt.
123	1471.25	6846	6761			32.7				2.66	Sd.Lt-gry.F/M-gr.Sbrndd.VW-srt.w/Mic.
	1471.41										

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FINAL REPORT

CORE NO.: 3

DATE: FEBRUARY 1984

GECO
GEOPHYSICAL COMPANY OF NORWAY A/S
Petroleum laboratory

Plug No.	Depth (meter)	Permeability (mD), horizontal K_a	horizontal K_l	vertical K_a	vertical K_l	Porosity (%) He	Porosity (%) Sum.	Pore saturation S_o	Pore saturation S_w	Grain dens. g/cc	Formation Description
	1471.60										
124	1472.00	3763	3704	2016	1977	31.0				2.65	Sst.Lt-gry.F/M-gr.Sbrndd.Fr-cmt.w/Mic.
125	1472.25	1529	1496			32.7				2.66	A.A.P-cmt.W-srt.
126	1472.50	14474	14340			37.9				2.66	Sd.Lt-gry.F/M-gr.Sbrndd.VW-srt.w/Mic.
127	1472.75	3276	3222			34.1				2.64	Sst.Lt-gry.F/M-gr.Sbrndd.VP-cmt.w/Mic.
128	1473.00	nhpp									
129	1473.25	5014	4945			37.6				2.63	A.A.VW-srt.
130	1473.50	nmp				nmp				2.64	A.A.
131	1473.75	11109	10995			34.5				2.64	A.A.Fr-cmt.
132	1474.00	10189	10081	10344	10235	35.2				2.64	Sd.Lt-gry.F/M-gr.Sbrndd.VW-srt.w/Mic.
133	1474.25	11452	11335			35.0				2.65	Sst.Lt-gry.F/M-gr.Sbrndd.Fr-cmt.w/Mic.
134	1475.25	7469	7380	9988	9881	36.9				2.64	Sd.Lt-gry.F/M-gr.Sbrndd.W-srt.w/Mic.
135	1476.00	1901	1862	1088	1061	35.0				2.65	Sst.Lt-gry.F/M-gr.Sbrndd.Fr-cmt.w/Mic.
136	1476.25	2044	2004			36.3				2.65	A.A.W-srt.
137	1476.50	1610	1576			35.9				2.65	Sd.Lt-gry.F-gr.Sbrndd.W-srt.w/Mic.
138	1476.75	1503	1470			35.2				2.64	Sst.Lt-gry.F-gr.Sbrndd.Fr-cmt.w/Mic.C.
139	1477.00	2153	2111	894	870	36.7				2.64	A.A.P-cmt.W-srt.
140	1477.25	1595	1560			36.2				2.62	A.A.Fr-cmt.
141	1477.50	613	594			33.1				2.66	A.A.w/Calc.
142	1477.75	599	580			35.7				2.65	A.A.
143	1478.00	208	199	812	789	34.2				2.68	A.A.
144	1478.50	31.6	28.9			29.1				2.67	A.A.VF-gr.W-cmt.w/Calc.
145	1478.75	52.0	48.0			29.8				2.67	A.A.
146	1479.00	67.6	63.0	4.3	3.7	30.9				2.67	A.A.
147	1479.25	193	184			35.0				2.65	A.A.w/o Calc.
148	1479.50	8.4	7.4			26.2				2.68	A.A.w/Calc.
149	1479.75	146	138			31.4				2.67	A.A.C/Mic-lam.
150	1480.00	57.1	53.0	54.2	50.2	29.6				2.67	A.A.

COMPANY : STATOIL
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FIELD : 31/6
STATE : NORWAY

FINAL REPORT

CORE NO.: 3 (cont.)

DATE: FEBRUARY 1984

GECO
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Petroleum laboratory

Plug No.	Depth (meter)	Permeability (mD), horizontal K_a	horizontal K_l	vertical K_a	vertical K_l	Porosity (%) He	Porosity (%) Sum.	Pore saturation S_o	Pore saturation S_w	Grain dens. g/cc	Formation Description
151	1480.25	5.7	5.0			23.8				2.68	A.A.
152	1480.50	11.1	10.0			25.3				2.68	A.A.
153	1480.75	44.8	41.7			30.3				2.71	A.A.w/Pyr.
154	1481.25	7.5	6.6	52.6	48.8	27.2				2.70	A.A.
155	1481.50	534	517			34.8				2.68	A.A.F-gr.w/o Pyr.
156	1481.75	746	725			32.2				2.67	A.A.Fr-srt.
157	1482.00	168	160	8.8	7.7	30.7				2.68	A.A.
158	1482.25	157	149			30.4				2.68	A.A.
159	1482.50	50.4	46.6			27.9				2.69	A.A.
160	1482.75	1083	1056			34.6				2.67	A.A.
161	1483.00	273	261	108	102	33.1				2.69	A.A.
162	1483.25	240	229			32.9				2.67	A.A.
163	1483.50	200	191			31.0				2.71	A.A.w/Pyr.Cl.
	1483.60										

COMPANY : STATOIL
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STATE : NORWAY

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CORE NO.: 4

DATE: FEBRUARY 1984

GECO
GEOPHYSICAL COMPANY OF NORWAY A.S
Petroleum laboratory

Plug No.	Depth (meter)	Permeability (mD), horizontal K_a	horizontal K_l	vertical K_a	vertical K_l	Porosity (%) He	Porosity (%) Sum.	Pore saturation S_o	Pore saturation S_w	Grain dens. g/cc	Formation Description
	1483.60										
164	1484.00	npp									
165	1484.25	npp									
166	1484.50	753	731	199	190	35.7				2.68	Sst.Lt-gry.F-gr.Sbrndd.Fr-cmt.w/Mic.
167	1484.75	219	209			33.8				2.68	A.A.W-cmt.VW-srt.w/Pyr.C.
168	1485.00	303	290			32.5				2.66	A.A.
169	1485.25	nmp				nmp					
170	1485.75	405	390	405	391	35.3				2.68	A.A.
171	1486.00	npp									
172	1486.25	409	394			33.6				2.67	A.A.w/o Pyr.w/Calc.
173	1486.75	0.020	0.014	0.025	0.018	3.0				2.70	Sst.Lt-gry.F-gr.Sbang.VW-cmt.Calc.w/Mic.
174	1487.00	320	307			29.2				2.69	Sst.Lt-gry.F-gr.Sbrndd.W-cmt.C/Mic-lam.
175	1487.25	npp									
176	1487.50	258	247	202	192	33.0				2.68	A.A.Fr-srt.w/Calc.
177	1487.75	446	430			33.3				2.67	A.A.
178	1489.75	npp									
179	1490.25	534	516			34.4				2.68	A.A.
180	1490.50	649	630			nmp				2.65	Sd.Lt-gry.F-gr.Sbrndd.W-srt.w/Mic.
181	1490.75	2676	2629	1480	1447	37.4				2.64	A.A.
182	1491.00	845	821			27.7				2.64	Sst.Lt-gry.F-gr.Sbang.W-cmt.w/Mic.C.Calc
183	1491.50	1538	1504			37.0				2.62	Sd.Lt-gry.F-gr.Sbrndd.W-srt.w/Mic.
184	1491.75	1378	1346	1241	1211	37.4				2.65	A.A.
185	1492.00	1776	1739			37.1				2.63	A.A.
186	1492.25	1500	1467			36.8				2.63	A.A.
187	1492.50	1243	1214			35.7				2.63	A.A.
188	1492.75	1646	1610	nmp		38.3				2.63	A.A.
189	1493.00	1558	1524			36.4				2.63	A.A.
190	1493.25	1313	1283			35.6				2.64	Sst.Lt-gry.F-gr.Sbrndd.Fr-cmt.w/Mic.C.

COMPANY : STATOIL
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CORE NO.: 4 (cont.)

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GECO
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Petroleum laboratory

Plug No.	Depth (meter)	Permeability (mD), horizontal K_a	horizontal K_l	vertical K_a	vertical K_l	Porosity (%) He	Porosity (%) Sum.	Pore saturation S_o	Pore saturation S_w	Grain dens. g/cc	Formation Description
191	1493.50	1836	1799			34.7				2.65	A.A.VP-cmt.W-srt.
192	1494.00	406	392	64.4	59.8	32.9				2.65	A.A.C/Mic-lam.w/Calc.
193	1494.25	3294	3240			33.9				2.64	Sd.Lt-gry.F/M-gr.Sbrndd.W-srt.w/Mic.
194	1494.50	8528	8431			37.0				2.64	A.A.
195	1494.75	1073	1046			35.4				2.66	A.A.F-gr.
196	1495.00	841	817	nvpp		26.1				2.68	A.A.Fr-srt.w/foss.
197	1495.25	1997	1958			35.9				2.66	Sst.Lt-gry.F-gr.Sbrndd.P-cmt.C/Mic-lam.
198	1495.50	1596	1562			34.6				2.66	A.A.VP-cmt.W-srt.
199	1495.75	262	251			32.1				2.67	A.A.W-cmt.
200	1496.00	50.9	47.3	nvpp		28.3				2.66	A.A.VF-gr.
201	1496.25	38.5	35.4			28.1				2.67	A.A.
202	1496.75	1100	1072			25.5				2.69	A.A.M-gr.VP-cmt.Fr-srt.w/Calc.
203	1497.00	762	741	807	785	34.8				2.67	A.A.F-gr.W-srt.
	1497.10										

COMPANY : STATOIL
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GECO
GEOPHYSICAL COMPANY OF NORWAY A/S
Petroleum laboratory

Plug No.	Depth (meter)	Permeability (mD), horizontal K_a	horizontal K_l	vertical K_a	vertical K_l	Porosity (%) He	Porosity (%) Sum.	Pore saturation S_o	Pore saturation S_w	Grain dens. g/cc	Formation Description
	1497.20										
204	1497.25	237	226			32.7				2.69	Sst.Lt-gry.F-gr.Sbrndd.Fr-cmt.w/Mic.Calc
205	1497.50	689	668	364	350	35.0				2.66	Sd.Lt-gry.F-gr.Sbrndd.W-srt.w/Mic.
206	1497.75	437	422			34.5				2.67	Sst.lt-gry.F-gr.Sbrndd.Fr-cmt.w/Mic.
207	1498.00	113	107			32.1				2.68	A.A.W-srt.
208	1498.25	220	210			34.0				2.68	A.A.
209	1498.50	240	229	331	318	34.0				2.74	A.A.w/Pyr.Cl.
210	1498.75	25.2	22.8			21.7				2.87	A.A.Gnsh-gry.w/Calc.
211	1499.00	0.039	0.029			4.8				2.71	Calc-sst.Lt-gry.F-gr.Sbang.VW-cmt.w/Mic
212	1499.50	527	510	216	206	32.4				2.70	Sst.Lt-gry.F-gr.Sbrndd.W-cmt.w/Mic.C.Pyr
213	1499.75	636	617			37.8				2.70	A.A.VP-cmt.W-srt.
214	1500.00	3539	3483			35.4				2.66	A.A.w/o Pyr.
215	1500.25	942	917			35.8				2.70	A.A.w/Pyr.
216	1500.50	2538	2492	nvpp		34.0				2.67	Sd.Lt-gry.F-gr.Sbrndd.W-srt.w/Mic.
217	1500.75	1870	1832			34.3				2.65	Sst.Lt-gry.F-gr.Sbrndd.Fr-cmt.w/Mic.C.
218	1501.00	1344	1313			34.5				2.65	A.A.W-srt.
219	1501.25	373	359			31.4				2.67	A.A.W-cmt.
220	1501.50	664	644	138	130	27.9				2.67	A.A.
221	1502.00	295	283			28.9				2.66	A.A.
222	1502.25	1003	977			32.2				2.66	A.A.
223	1502.50	115	108	63.1	58.5	29.5				2.78	A.A.w/Pyr.
224	1502.75	144	136			29.9				2.66	A.A.w/o Pyr.
225	1503.00	825	802			34.2				2.66	A.A.Fr-cmt.
226	1503.30	534	516			34.1				2.66	A.A.
227	1503.50	1178	1149	194	185	34.2				2.65	A.A.
228	1503.75	364	350			33.4				2.66	A.A.
229	1504.00	36.5	33.3			23.4				2.69	A.A.VF-gr.W-cmt.ltl-Pyr.
230	1504.25	33.9	30.9			27.0				2.68	A.A.

COMPANY : STATOIL
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CORE NO.: 5 (cont.)

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GECO
GEOPHYSICAL COMPANY OF NORWAY A.S
Petroleum laboratory

Plug No.	Depth (meter)	Permeability (mD), horizontal K_a	horizontal K_1	vertical K_a	vertical K_1	Porosity (%) He	Porosity (%) Sum.	Pore saturation S_o	Pore saturation S_w	Grain dens. g/cc	Formation Description
231	1504.75	96.7	90.9	45.8	42.2	29.1				2.66	A.A.F-gr.Fr-cmt.w/o Pyr.
232	1505.00	163	154			28.7				2.62	A.A.C-lam.
233	1505.25	937	912			33.1				2.66	A.A.w/o C.
234	1505.50	1184	1156	975	950	34.8				2.68	A.A.F/M-gr.Sbang.
235	1505.75	4197	4135			35.2				2.67	A.A.
236	1506.00	4591	4524			34.8				2.66	A.A.
237	1506.75	4123	4061	3127	3075	35.9				2.64	A.A.P-cmt.
238	1507.00	3545	3489			35.9				2.66	A.A.
239	1507.50	6102	6023	4040	3978	35.4				2.65	A.A.
240	1507.75	4317	4253			35.3				2.65	A.A.
241	1508.00	4544	4478			34.6				2.65	Sd.lt-gry.F/M-gr.Sbrndd.W-srt.w/Mic.
242	1508.25	5526	5452			34.6				2.62	A.A.
243	1508.50	6305	6224	4457	4392	33.8				2.64	Sst.Lt-gry.F/M-gr.Sbrndd.Fr-cmt.w/Mic.
244	1508.75	3745	3687			32.4				2.64	A.A.W-srt.
245	1509.00	4023	3962			30.7				2.61	A.A.
246	1509.25	1077	1050			25.0				2.66	A.A.
247	1509.50	2314	2270	2703	2655	28.6				2.65	A.A.
248	1509.75	7220	7132			34.2				2.66	Sd.Lt-gry.F/M-gr.Sbrndd.W-srt.w/Mic.
249	1510.25	2644	2596			37.4				2.65	A.A.
250	1510.50	nhpp		172	163						
251	1510.75	4152	4090			37.4				2.65	A.A.
252	1511.00	260	249			28.0				2.63	Sst.Lt-gry.F-gr.Sbrndd.Fr-cmtC-lam.w/Mic
253	1511.25	3792	3733			37.8				2.64	A.A.VP-cmt.W-srt.w/o C
254	1511.50	809	786	705	684	35.0				2.65	A.A.P-cmt.
255	1511.75	1248	1218			36.6				2.65	A.A.VP-cmt.
256	1512.00	682	662			35.5				2.66	A.A.
257	1512.25	1093	1066			35.2				2.66	A.A.P-cmt.

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GECO
GEOPHYSICAL COMPANY OF NORWAY A/S
Petroleum laboratory

Plug No.	Depth (meter)	Permeability (mD), horizontal K_a	horizontal K_l	vertical K_a	vertical K_l	Porosity (%) He	Porosity (%) Sum.	Pore saturation S_o	Pore saturation S_w	Grain dens. g/cc	Formation Description
258	1512.50	656	636	391	376	34.7				2.66	A.A.Fr-cmt.
259	1513.00	1781	1744			36.0				2.68	Sd.Lt-gry.F-gr.Sbrndd.W-srt.w/Mic.Pyr.
260	1513.25	907	883			32.8				2.70	Sst.Lt-gry.F/M-gr.Sbrndd.P-cmt.w/Mic.Pyr
261	1513.50	1629	1594	1510	1476	35.8				2.67	Sd.Lt-gry.F/M-gr.Sbrndd.W-srt.w/Mic.
262	1513.75	1502	1469			32.7				2.66	A.A.
263	1514.00	1436	1404			32.2				2.64	Sst.Lt-gry.F/M-gr.Sbrndd.P-cmt.w/Mic.
264	1514.25	196	187			6.8				2.67	A.A.VW-cmt.VW-srt.w/Calc.
265	1514.50	8095	8001	9567	9463	35.6				2.65	Sd.Lt-gry.F/M-gr.Sbrndd.VW-srt.w/Mic.
266	1514.75	8920	8820			36.0				2.64	A.A.
267	1515.00	3846	3787			35.0				2.65	A.A.
268	1515.25	nmp				nmp					A.A.
	1515.90										

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Petroleum laboratory

Plug No.	Depth (meter)	Permeability (mD), horizontal K_a	horizontal K_l	vertical K_a	vertical K_l	Porosity (%) He	Porosity (%) Sum.	Pore saturation S_o	Pore saturation S_w	Grain dens. g/cc	Formation Description
	1515.70										
269	1515.75	4669	4562			36.6				2.64	Sd.Lt-gry.F/M-gr.Sbrndd.VW-srt.w/Mic.
270	1516.00	4199	4137			36.9				2.65	A.A.
271	1516.25	3780	3722			36.3				2.64	A.A.
272	1516.50	5318	5246	5212	5141	37.8				2.67	A.A.
273	1516.75	3142	3090			35.8				2.64	Sst.Lt-gry.F/M-gr.Sbrndd.VP-cmt.w/Mic.
274	1517.00	3489	3433			36.9				2.65	Sd.Lt-gry.F/M-gr.Sbrndd.VW-srt.w/Mic.
275	1517.25	3661	3603			35.4				2.63	Sst.Lt-gry.F-gr.Sbrndd.Fr-cmt.w/Mic.
276	1517.50	195	186	297	285	28.4				2.64	A.A.W-srt.mtrx.w/C
277	1517.75	3328	3273			31.3				2.66	A.A.w/o mtrx.C.
278	1518.00	4479	4414			33.8				2.65	A.A.
279	1518.25	8040	7946			34.5				2.64	A.A.P-cmt.
280	1518.75	7153	7066	6211	6131	35.0				2.64	A.A.
281	1519.00	5104	5033			33.3				2.66	A.A.VP-cmt.
282	1519.25	5892	5815			33.0				2.66	A.A.Fr-cmt.
283	1519.50	4240	4177	4455	4390	33.5				2.64	A.A.
284	1519.75	6865	6781			34.5				2.66	A.A.VP-cmt.
285	1520.00	3704	3646			34.7				2.65	A.A.F/M-gr.Fr-cmt.
286	1520.25	8008	7915			35.6				2.67	A.A.w/Calc.
287	1520.50	3525	3469	5928	5851	35.4				2.65	A.A.w/o Calc.w/C
288	1520.75	3029	2977			35.5				2.65	A.A.
289	1521.00	5271	5198			36.1				2.66	A.A.w/o C
290	1521.50	nhpp		172	163						
291	1521.75	0.029	0.021			2.0				2.69	Calc-sst.Lt-gry.F-gr.Sbang.VW-cmt.w/Mic.
292	1522.00	nmp				nmp					A.A.fis.
293	1522.25	1415	1383			33.7				2.64	Sst.Lt-gry.F-gr.Sbrndd.Fr-cmt.w/Mic.C.
294	1522.50	2639	2592	1543	1509	37.0				2.66	A.A.VW-srt.w/oC
295	1522.75	1458	1425			35.1				2.66	A.A.

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Plug No.	Depth (meter)	Permeability (mD), horizontal K_a	horizontal K_1	vertical K_a	vertical K_1	Porosity (%) He	Porosity (%) Sum.	Pore saturation S_o	Pore saturation S_w	Grain dens. g/cc	Formation Description
296	1523.00	1668	1648			35.1				2.64	A.A.VP-cmt.
297	1523.25	4153	4091			37.0				2.64	Sd.lt-gry.F/M-gr.Sbrndd.W-srt.w/Mic.
298	1523.50	1421	1388	731	710	36.0				2.64	Sst.Lt-gry.F-gr.Sbrndd.Fr-cmt.w/Mic.
299	1523.75	1190	1161			36.0				2.64	A.A.
300	1524.25	1681	1645			38.0				2.66	Sd.lt-gry.F/M-gr.Sbrndd.W-srt.w/Mic.
301	1524.50	1308	1278	3587	3530	38.1				2.65	A.A.
302	1524.75	686	665			37.4				2.66	Sst.Lt-gry.F-gr.Sbndd.VP-cmt.w/Mic.C.
303	1525.00	2083	2042			37.0				2.64	A.A.P-cmt.W-srt.
304	1525.25	630	610			35.3				2.65	A.A.
305	1525.50	1497	1464	1309	1278	33.9				2.66	A.A.
306	1525.75	470	454			31.6				2.66	A.A.
307	1526.00	1596	1561			32.8				2.65	A.A.F/M-gr.
308	1526.25	7219	7131			35.4				2.65	A.A.VP-cmt.
309	1526.50	1591	1556	1427	1395	35.7				2.66	A.A.
310	1527.00	788	766			35.5				2.65	A.A.Fr-cmt.
311	1527.25	897	873			36.0				2.65	A.A.
312	1527.50	nmp		429	414	nmp					A.A.fis.
313	1528.00	181	173			26.9				2.66	A.A.F-gr.w/o fis.w/Calc.
314	1528.25	205	196			30.7				2.66	A.A.
315	1528.50	310	297	264	253	33.5				2.66	A.A.
316	1528.75	126	119			30.4				2.68	A.A.
317	1529.00	131	124			30.4				2.68	A.A.
318	1529.50	30.5	27.9	10.2	9.0	27.0				2.68	A.A.
319	1529.75	208	198			29.3				2.66	A.A.
320	1530.00	18.8	16.9			26.9				2.74	A.A.VF-gr.W-cmt.w/Pyr.
321	1530.25	211	201			34.1				2.69	A.A.F-gr.Fr-cmt.
322	1530.50	927	902	458	442	36.0				2.70	A.A.

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Plug No.	Depth (meter)	Permeability (mD), horizontal K_a	horizontal K_l	vertical K_a	vertical K_l	Porosity (%) He	Porosity (%) Sum.	Pore saturation S_o	Pore saturation S_w	Grain dens. g/cc	Formation Description
323	1530.75	242	231			32.7				2.68	A.A.
324	1531.00	647	627			35.5				2.69	A.A.
325	1531.25	0.038	0.027			3.8				2.71	Calc-sst.Lt-gry.F-gr.Sbang.VW-cmt.w/Mic.
326	1531.50	610	591	1449	1416	35.0				2.69	Sst.Lt-gry.F-gr.Sbrndd.Fr-cmt.w/Mic.Calc
327	1531.75	459	443			34.8				2.68	A.A.W-srt.w/Pyr.C.
328	1532.75	217	207	45.5	41.8	27.4				2.70	A.A.w/Calc.
329	1533.00	88.3	82.7			23.9				2.65	A.A.Gry.w/o Pyr.
330	1533.50	3692	3634	2079	2038	35.3				2.66	A.A.Lt-gry.w/o Calc.
331	1533.75	3471	3415			35.2				2.65	A.A.
332	1534.50	628	609	73.7	68.7	34.9				2.69	A.A.
333	1535.00	398	383			33.0				2.67	A.A.
334	1535.25	772	749			35.9				2.69	A.A.
335	1535.50	1597	1562	652	632	36.2				2.67	A.A.P-cmt.
336	1535.75	939	914			35.5				2.68	A.A.
337	1536.00	715	694			35.0				2.67	A.A.Fr-cmt.
338	1536.25	2002	1963			35.8				2.67	A.A.
339	1536.50	495	479	215	205	33.6				2.68	A.A.Fr-srt.
340	1536.75	1927	1888			34.4				2.66	A.A.W-srt.
341	1537.00	450	434			29.4				2.68	A.A.
342	1537.25	225	215			34.0				2.67	A.A.
343	1537.75	3.6	3.0	0.028	0.020	5.4				2.69	Calc-sst.lt-gry.F-gr.Sbrndd.VW-cmt.w/Mic
344	1538.00	103	97.2			30.3				2.70	Sst.Lt-gry.F-gr.Sbrndd.Fr-cmt.w/Calc.Mic
345	1538.75	767	745	120	113	36.5				2.71	A.A.W-srt.w/Pyr.C.
346	1539.50	163	155	20.7	18.5	27.5				2.68	A.A.w/o Pyr.
347	1539.75	912	888			35.7				2.66	A.A.
348	1540.50	0.037	0.027	0.068	0.051	2.4				2.70	Calc-sst.Lt-gry.F-gr.Sbrndd.VW-cmt.w/Mic
349	1540.75	0.046	0.034			1.2				2.78	A.A.w/Pyr.

COMPANY : STATOIL
WELL : 31/6-2
FIELD : 31/6
STATE : NORWAY

FINAL REPORT

CORE NO.: 6 (cont.)

DATE: FEBRUARY 1984

GECO
GEOPHYSICAL COMPANY OF NORWAY A/S
Petroleum laboratory

Plug No.	Depth (meter)	Permeability (mD), horizontal K_a	horizontal K_l	vertical K_a	vertical K_l	Porosity (%) He	Porosity (%) Sum.	Pore saturation S_o	Pore saturation S_w	Grain dens. g/cc	Formation Description
350	1541.00	0.045	0.033			1.2				2.72	A.A.
351	1541.25	0.068	0.051			4.0				2.68	A.A.w/o Pyr.
352	1541.50	0.080	0.059	nmp		2.6				2.68	A.A.
353	1541.75	2491	2446			34.3				2.65	Sst.Lt-gry.F/M-gr.Sbrndd.Fr-cmt.w/Mic.
354	1542.00	2357	2313			34.5				2.66	A.A.P-cmt.W-srt.
355	1542.25	2779	2730			35.2				2.65	A.A.Fr-cmt.
356	1542.50	1606	1571	1571	1537	36.0				2.67	A.A.
357	1543.00	1177	1148			34.1				2.66	A.A.
358	1543.25	3015	2963			35.8				2.65	A.A.
	1543.40										

COMPANY : STATOIL
WELL : 31/6-2
FIELD : 31/6
STATE : NORWAY

FINAL REPORT

CORE NO.: 7

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GECO
GEOPHYSICAL COMPANY OF NORWAY A.S
Petroleum laboratory

Plug No.	Depth (meter)	Permeability (mD), horizontal K_a	horizontal K_l	vertical K_a	vertical K_l	Porosity (%) He	Porosity (%) Sum.	Pore saturation S_o	Pore saturation S_w	Grain dens. g/cc	Formation Description
	1543.60										
359	1543.75	2396	2351			40.9				2.66	Sd.Lt-gry.F-gr.Sbrndd.W-srt.w/Mic.
360	1544.00	2008	1968			37.1				2.66	Sst.Lt-gry.F-gr.Sbrndd.VP-cmt.w/Mic.
361	1544.25	nmp				nmp					A.A.fis.
362	1544.50	845	822	326	313	36.6				2.66	A.A.Fr-cmt.W-srt.
363	1545.00	180	171			34.1				2.66	A.A.
364	1545.25	240	230			32.2				2.65	A.A.w/C
365	1545.50	1374	1342	394	380	37.2				2.66	A.A.
366	1545.75	137	129			33.3				2.67	A.A.w/Calc.
367	1546.00	153	145			32.7				2.67	A.A.
368	1546.25	120	113			30.9				2.68	A.A.
369	1546.50	72.8	67.9	22.6	20.4	31.5				2.69	A.A.VF-gr.
370	1546.75	83.9	78.6			31.0				2.66	A.A.F-gr.
371	1547.00	95.1	89.3			30.8				2.68	A.A.
372	1547.25	152	144			32.2				2.69	A.A.
373	1547.50	106	99.7	33.5	30.5	30.3				2.67	A.A.
374	1547.75	134	127			33.0				2.69	A.A.
375	1548.00	104	98.3			31.2				2.68	A.A.
376	1548.50	327	314	136	128	35.2				2.68	A.A.
377	1548.75	520	503			36.7				2.68	A.A.
378	1549.00	118	111			32.1				2.67	A.A.
379	1549.25	57.0	52.9			29.6				2.66	A.A.
380	1549.50	0.055	0.041	0.025	0.018	3.6				2.69	Calc-sst.Lt-gry.F-gr.Sbang.VW-cmt.w/Mic
381	1549.75	573	554			33.8				2.67	Sst.lt-gry.F-gr.Sbrndd.Fr-cmt.w/Mic.C.
382	1550.25	18.6	16.6			26.1				2.70	A.A.W-srt.mtrx.w/Calc.Pyr.
383	1550.50	49.3	45.7	4.1	3.5	29.2				2.65	A.A.w/o Pyr.
384	1550.75	24.7	22.3			25.8				2.68	A.A.W-cmt.
385	1551.25	52.1	48.1			27.7				2.68	A.A.
386	1551.50	45.9	42.2	1.68	15.0	29.0				2.67	A.A.
387	1551.75	33.6	30.6			26.1				2.68	A.A.

COMPANY : STATOIL
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CORE NO.: 7 (cont.)

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GECO
GEOPHYSICAL COMPANY OF NORWAY A-S
Petroleum laboratory

Plug No.	Depth (meter)	Permeability (mD), horizontal K_a	horizontal K_l	vertical K_a	vertical K_l	Porosity (%) He	Porosity (%) Sum.	Pore saturation S_o	Pore saturation S_w	Grain dens. g/cc	Formation Description
388	1552.00	43.1	39.5			28.1				2.66	A.A.
389	1552.25	71.3	66.4			29.6				2.68	A.A.
390	1552.50	33.9	30.9	6.2	5.4	28.0				2.70	A.A.
391	1552.75	6.0	5.2			27.1				2.68	A.A.VF-gr.
392	1553.00	15.7	14.0			27.7				2.67	A.A.
393	1553.25	8.2	7.2			26.4				2.68	A.A.
394	1553.50	10.2	8.9	2.0	1.6	22.2				2.67	A.A.
395	1553.75	13.5	11.9			24.9				2.68	A.A.
396	1554.00	23.3	21.0			27.5				2.68	A.A.
397	1554.25	0.073	0.054			11.9				2.73	Calc-sst.Lt-gry.F-gr.Sbang.VW-cmt.w/Mic
398	1554.50	25.3	22.9	4.3	3.7	27.8				2.72	Sst.Lt-gry.VF-gr.Sbrndd.Fr-cmt.w/Mic.Pyr
399	1554.75	28.3	25.6			27.5				2.67	A.A.w/o Pyr.w/Calc.C.
400	1555.00	16.0	14.3			27.3				2.66	A.A.
401	1555.25	52.5	48.5			28.8				2.68	A.A.F-gr.
402	1555.75	31.8	28.9	9.9	8.7	28.6				2.68	A.A.VF-gr.
403	1556.00	15.8	14.1			26.4				2.68	A.A.
404	1556.25	21.4	19.3			26.1				2.68	A.A.
405	1556.50	6.2	5.4	3.6	3.1	25.2				2.71	A.A.w/Pyr.
406	1556.75	6.1	5.3			24.7				2.68	A.A.
407	1557.00	12.7	11.2			26.2				2.67	A.A.w/o Pyr.
408	1557.25	15.4	13.7			27.2				2.68	A.A.
409	1557.50	46.2	42.5	14.4	12.9	30.0				2.67	A.A.
410	1557.75	31.8	28.9			27.7				2.68	A.A.

COMPANY : STATOIL
WELL : 31/6-2
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CORE NO.: 7 (cont.)

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GECO
GEOPHYSICAL COMPANY OF NORWAY A.S
Petroleum laboratory

Plug No.	Depth (meter)	Permeability (mD), horizontal K_a	horizontal K_l	vertical K_a	vertical K_l	Porosity (%) He	Porosity (%) Sum.	Pore saturation S_o	Pore saturation S_w	Grain dens. g/cc	Formation Description
411	1558.00	30.1	27.4			27.9				2.68	A.A.
412	1558.50	4.1	3.5	2.4	1.9	24.1				2.67	A.A.W-cmt.
413	1558.75	6.0	5.1			25.7				2.68	A.A.
414	1559.00	32.5	29.6			29.4				2.67	A.A.
415	1559.25	1.7	1.3			23.2				2.72	A.A.w/Sid.
416	1559.50	16.8	15.0	3.6	3.1	29.4				2.67	A.A.w/o Sid.
417	1559.75	18.4	16.4			28.1				2.67	A.A.
418	1560.00	7.3	6.3			26.0				2.67	A.A.
419	1560.25	9.6	8.4			26.1				2.68	A.A.
420	1560.50	2.2	1.7	0.66	0.51	23.7				2.68	A.A.
421	1561.00	2.7	2.2			24.5				2.68	A.A.
422	1561.25	0.20	0.15			19.3				2.74	Calc-sst.Gry.VF-gr.Sbang.W-cmt.w/Sid.Mic
423	1561.50	0.055	0.041	0.062	0.045	7.5				2.74	A.A.Lt-gry.VW-cmt.W-srt.
424	1561.75	0.049	0.036			4.4				2.72	A.A.F-gr.
425	1562.00	0.020	0.014			4.3				2.72	A.A.
426	1562.25	249	238	4.4	3.8	33.8				2.68	Sst.Lt-gry.F-gr.Sbrndd.Fr-cmt.w/Mic.Calc
427	1562.75	283	272			32.9				2.68	A.A.Fr-srt.
428	1563.00	965	940			33.9				2.66	A.A.
429	1563.25	1528	1494			36.4				2.66	A.A.W-srt.
430	1563.75	30.3	27.5	8.3	7.3	23.5				2.65	A.A.Gry.VF-gr.W-cmt.C/M-lam.w/Cl.
431	1564.00	28.1	25.5			26.0				2.63	A.A.
432	1564.50	44.1	40.5	57.1	52.9	28.1				2.66	A.A.
433	1564.75	5.4	4.7			21.2				2.70	A.A.ltl-Sid.
434	1565.00	47.6	43.8			27.1				2.68	A.A.Lt-gry.w/o Sid.Cl.
435	1565.25	28.5	25.8			27.0				2.68	A.A.w/o C/Mic-lam.w/Mic.
436	1565.50	19.7	17.7	12.3	10.8	25.6				2.69	A.A.

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CORE NO.: 7 (cont.)

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GECO
GEOPHYSICAL COMPANY OF NORWAY A/S
Petroleum laboratory

Plug No.	Depth (meter)	Permeability (mD), horizontal K_a	horizontal K_l	vertical K_a	vertical K_l	Porosity (%) He	Porosity (%) Sum.	Pore saturation S_o	Pore saturation S_w	Grain dens. g/cc	Formation Description
437	1565.75	27.3	24.7			26.7				2.68	A.A.
438	1566.00	22.6	20.3			25.4				2.69	A.A.
439	1566.50	17.7	15.8	55.6	51.5	24.1				2.65	A.A.Gry.C-lam.w/o Calc.
440	1567.00	289	277			33.4				2.66	A.A.Lt-gry.F-gr.w/o C
441	1567.25	321	308			30.9				2.67	A.A.w/foss.
442	1567.50	104	97.9	7.6	6.7	25.3				2.68	A.A.
443	1567.75	103	97.2			30.8				2.69	A.A.Fr-cmt.Fr-srt.
444	1568.00	512	495			34.4				2.66	A.A.
445	1568.25	354	340			33.8				2.67	A.A.
446	1568.50	271	259	127	120	33.0				2.68	A.A.
447	1568.75	656	636			34.6				2.68	A.A.
448	1569.25	265	253			32.4				2.65	A.A.
449	1569.50	383	369	196	186	32.2				2.65	A.A.
450	1569.75	0.73	0.57			10.2				2.68	Calc-sst.Lt-gry.F-gr.Sbang.VW-cmt.w/Mic
451	1570.00	0.16	0.12			8.6				2.68	A.A.W-srt.
452	1570.25	0.93	0.73			12.6				2.69	A.A.
453	1570.50	320	308	163	154	33.9				2.65	Sst.Lt-gry.F-gr.Sbrndd.Fr-cmt.w/Mic.Calc
454	1570.75	181	172			31.4				2.65	A.A.VW-srt.w/C
455	1571.00	189	180			32.1				2.64	A.A.
456	1571.25	138	131			31.5				2.65	A.A.
	1571.50										

COMPANY : STATOIL
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CORE NO.: 8

DATE: FEBRUARY 1984

GECO
GEOPHYSICAL COMPANY OF NORWAY A/S
Petroleum laboratory

Plug No.	Depth (meter)	Permeability (mD), horizontal K_a	horizontal K_l	vertical K_a	vertical K_l	Porosity (%) He	Porosity (%) Sum.	Pore saturation S_o	Pore saturation S_w	Grain dens. g/cc	Formation Description
	1571.50										
457	1571.75	158	150	115	109	33.2				2.66	Sst.Lt-gry.VF-gr.Sbrndd.W-cmt.w/Mic,Calc
458	1572.00	238	227			33.3				2.66	A.A.F-gr.W-srt.w/C.foss.
459	1572.25	154	146			32.2				2.66	A.A.
460	1572.50	235	224	80.3	75.0	33.6				2.66	A.A.
461	1572.75	141	134			31.6				2.66	A.A.
462	1573.00	93.0	87.7			31.1				2.67	A.A.VF-gr.
463	1573.25	27.0	24.4			26.7				2.66	A.A.
464	1573.75	39.3	36.0	10.9	9.5	27.5				2.66	A.A.
465	1574.00	103	97.2			28.3				2.67	A.A.
466	1574.25	23.9	21.5			25.1				2.65	A.A.
467	1574.50	32.1	29.2	9.8	8.6	26.7				2.67	A.A.
468	1574.75	12.9	11.4			23.8				2.67	A.A.
469	1575.00	2.4	1.9			20.6				2.65	A.A.
470	1575.25	3.8	3.2			20.7				2.67	A.A.
471	1575.50	0.96	0.75	2.4	1.9	18.8				2.69	A.A.VW-cmt.Fr-srt.
472	1575.75	0.090	0.067			8.2				2.72	Calc-sst.Lt-gry.Sbang.VW-cmt.w/Mic.Pyr.C
473	1576.00	0.15	0.11			11.6				2.74	A.A.w/foss.
474	1576.50	6.2	5.3	302	290	27.3				2.72	Sst.Gry.F-gr.Sbrndd.W-cmt.w/Mic.Pyr.C.Cl
475	1576.75	29.7	27.0			27.8				2.73	A.A.W-srt.w/foss.
476	1577.00	10.5	9.2			23.3				2.78	A.A.w/Sid.
477	1577.25	264	253			31.1				2.72	A.A.Fr-cmt.Fr-srt.w/o Cl.
478	1577.50	4.8	4.1	10.8	9.5	24.2				2.75	A.A.W-cmt.w/Cl.
479	1577.75	21.1	18.9			28.2				2.69	A.A.
480	1578.00	54.2	50.1			31.1				2.72	A.A.w/o Cl.
481	1578.25	554	536			35.7				2.68	A.A. w/o Sid.
482	1578.50	623	603	262	251	35.6				2.66	A.A.
483	1579.00	366	353			34.1				2.67	A.A.
484	1579.25	682	661			32.5				2.67	A.A.

COMPANY : STATOIL
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GEOPHYSICAL COMPANY OF NORWAY A/S
Petroleum laboratory

Plug No.	Depth (meter)	Permeability (mD), horizontal K_a	horizontal K_1	vertical K_a	vertical K_1	Porosity (%) He	Porosity (%) Sum.	Pore saturation S_o	Pore saturation S_w	Grain dens. g/cc	Formation Description
485	1579.50	0.055	0.040	0.039	0.029	3.6				2.68	Calc-sst.Lt-gry.F-grSbang.VW-cmt.w/Mic.C
486	1580.25	299	286			32.2				2.64	Sst.Gry.F-gr.Sbrndd.Fr-cmt.w/Mic.C.
487	1580.50	515	498	66.6	62.0	34.3				2.66	A.A.lt-gry.W-srt.w/foss.
488	1580.75	506	489			33.8				2.65	A.A.
489	1581.00	81.0	75.7			30.5				2.63	A.A.VF-gr.C-lam.
490	1581.25	218	208			32.8				2.65	A.A.F-gr.w/o C-lam.w/C.
491	1581.50	68.7	63.9	106	99.3	29.3				2.64	A.A.
492	1582.00	57.8	53.5			28.6				2.64	A.A.W-cmt.
493	1582.25	95.0	89.6			29.8				2.66	A.A.
494	1582.50	97.9	91.8	41.2	37.8	31.1				2.66	A.A.
495	1582.75	162	154			30.8				2.65	A.A.
496	1583.00	226	215			32.0				2.67	A.A.
497	1583.25	10.4	9.1			23.3				2.66	A.A.VF-gr.VW-cmt.
498	1583.50	7.0	6.1	0.93	0.72	22.1				2.66	A.A.
499	1584.00	22.6	20.4			24.4				2.68	A.A.
500	1584.50	12.7	11.2	1.6	1.3	23.0				2.67	A.A.
501	1584.75	6.0	5.2			22.5				2.66	A.A.
502	1585.00	3.3	2.8			21.5				2.65	A.A.
503	1585.25	9.0	7.9			24.4				2.67	A.A.
504	1585.50	2.6	2.1	0.51	0.39	19.6				2.64	A.A.
505	1585.75	2.7	2.2			20.3				2.64	A.A.
506	1586.00	5.3	4.5			21.9				2.65	A.A.
507	1586.25	2.2	1.7			21.1				2.66	A.A.
508	1586.50	8.2	7.2	1.7	1.3	23.1				2.66	A.A.
509	1586.75	2.9	2.5			21.9				2.66	A.A.
510	1587.25	202	192			34.0				2.67	A.A.F-gr.W-cmt.
511	1587.75	454	438	257	246	35.9				2.67	A.A.
512	1588.00	317	304			35.3				2.66	A.A.
513	1588.50	352	339	nvpp		34.6				2.67	A.A.
	1589.00										

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Petroleum laboratory

Plug No.	Depth (meter)	Permeability (mD), horizontal K_a	horizontal K_l	vertical K_a	vertical K_l	Porosity (%) He	Porosity (%) Sum.	Pore saturation S_o	Pore saturation S_w	Grain dens. g/cc	Formation Description
	1591.00										
514	1591.00	5.8	5.0			22.3				2.56	Sst.Gry.VF-gr.Sbang.VW-cmt.C/Mic-lam
515	1591.25	4.4	3.8			19.5				2.62	A.A.VW-srt.w/Cl.
516	1591.50	11.9	10.5	3.7	2.9	21.3				2.64	A.A.
517	1591.75	1.4	1.1			20.3				2.65	A.A.w/Calc.
518	1592.00	2.0	1.6			20.9				2.64	A.A.
519	1592.25	3.0	2.5			20.9				2.65	A.A.
520	1592.50	1.5	1.2	1.1	0.85	20.2				2.65	A.A.
521	1592.75	12.1	10.7			25.0				2.67	A.A.Lt-gry.W-srt.w/o Cl.
522	1593.25	17.6	15.7			27.1				2.67	A.A.
523	1593.50	52.6	49.2	45.7	42.1	30.1				2.68	A.A.F-gr.W-cmt.Fr-srt.
524	1593.75	26.6	24.1			27.1				2.67	A.A.VF-gr.W-srt.
525	1594.00	13.4	11.9			24.0				2.68	A.A.w/foss.
526	1594.25	14.4	12.8			24.6				2.66	A.A.
527	1594.50	18.2	16.3	6.8	5.9	25.9				2.66	A.A.
528	1594.75	11.0	9.7			24.5				2.68	A.A.
529	1595.00	6.4	5.5			23.5				2.67	A.A.
530	1595.25	5.5	4.7			22.6				2.67	A.A.
531	1595.50	9.1	8.0	3.7	3.2	23.5				2.67	A.A.
532	1596.00	8.8	7.7			23.3				2.68	A.A.
533	1596.25	5.6	4.9			22.7				2.67	A.A.w/o foss.
534	1596.50	9.5	8.3	3.6	3.0	23.4				2.68	A.A.
535	1596.75	6.3	5.4			22.7				2.68	A.A.
536	1597.00	4.0	3.5			23.4				2.68	A.A.
537	1597.25	7.0	6.1			23.6				2.68	A.A.
538	1597.50	4.4	3.7	1.6	1.2	22.6				2.68	A.A.
539	1597.75	7.1	6.1			23.5				2.69	A.A.
540	1598.00	3.3	2.8			21.3				2.71	A.A.w/Pyr.
541	1598.50	47.7	44.0	29.8	27.4	28.9				2.71	A.A.F-gr.Fr-cmt.Fr-srt.
542	1598.75	845	822			32.3				2.70	A.A.F/M-gr.

COMPANY : STATOIL
WELL : 31/6-2
FIELD : 31/6
STATE : NORWAY

FINAL REPORT

CORE NO.: 9 (cont.)

DATE: FEBRUARY 1984

GECO
GEOPHYSICAL COMPANY OF NORWAY A/S
Petroleum laboratory

Plug No.	Depth (meter)	Permeability (mD), horizontal K_a	horizontal K_l	vertical K_a	vertical K_l	Porosity (%) He	Porosity (%) Sum.	Pore saturation S_o	Pore saturation S_w	Grain dens. g/cc	Formation Description
543	1599.00	1938	1899			34.0				2.66	A.A.F-gr.W-srt.w/o Pyr.
544	1599.25	1265	1235			34.0				2.69	A.A.P-cmt.Fr-srt.
545	1599.50	184	175	91.4	86.0	35.1				2.70	A.A.W-cmt.W-srt.w/Pyr.
546	1599.75	1134	1106			33.8				2.67	A.A.Fr-cmt.Fr-srt.w/o Pyr.
547	1600.00	910	886			34.4				2.69	A.A.W-srt.
548	1600.25	36.3	33.2			21.4				2.70	A.A.
549	1600.50	57.8	53.5	24.8	22.5	21.3				2.69	A.A.W-cmt.Fr-srt.
550	1600.75	0.060	0.044			7.1				2.70	Calc-sst.Lt-gry.F-gr.Sbang.VW-cmt.w/Mic
551	1601.25	0.16	0.12			10.5				2.70	A.A.W-srt.w/foss.
552	1601.50	0.046	0.034	0.048	0.035	6.4				2.69	A.A.
553	1601.75	279	268			32.6				2.68	Sst.Lt-gry.F-gr.Sbang.Fr-cmt.w/Mic.foss.
554	1602.00	228	218			32.9				2.69	A.A.W-srt.ltl-Pyr.
555	1602.25	1150	1121			31.0				2.67	A.A.M-gr.w/o Pyr.
556	1602.50	118	111	32.2	29.4	28.3				2.69	A.A.F-gr.foss-abd.
557	1602.75	174	166			31.8				2.66	A.A.Gry.C-lam.w/foss.
558	1603.00	284	272			31.3				2.67	A.A.
559	1603.25	37.9	34.7	7.1	6.2	20.2				2.67	A.A.VW-cmt.Calc-mtrx.
560	1603.50	37.1	34.0			16.6				2.68	A.A.
561	1604.00	242	231			32.7				2.67	A.A.W-cmt.w/o Calc-mtrx.w/Calc.
562	1604.25	319	307			33.1				2.67	A.A.
563	1604.50	1241	1211	76.5	71.7	30.7				2.67	A.A. C-lam.
564	1604.75	108	102			28.8				2.68	A.A.
565	1605.00	89.0	83.7			29.9				2.68	A.A.
566	1605.25	35.6	32.6			26.5				2.68	A.A.
567	1605.50	28.7	26.2	nvpp		26.2				2.68	A.A.
568	1605.75	22.6	20.5			26.0				2.68	A.A.
569	1606.00	20.3	18.2			25.9				2.68	A.A.
570	1606.25	13.3	11.8			24.4				2.69	A.A.VF-gr.

COMPANY : STATOIL
WELL : 31/6-2
FIELD : 31/6
STATE : NORWAY

FINAL REPORT

CORE NO.: 9 (cont.)

DATE: FEBRUARY 1984

GECO
GEOPHYSICAL COMPANY OF NORWAY A/S
Petroleum laboratory

Plug No.	Depth (meter)	Permeability (mD), horizontal K_a	horizontal K_l	vertical K_a	vertical K_l	Porosity (%) He	Porosity (%) Sum.	Pore saturation S_o	Pore saturation S_w	Grain dens. g/cc	Formation Description
571	1606.75	18.1	16.2	6.7	5.8	26.1				2.70	A.A.w/Pyr.
572	1607.00	17.6	15.7			25.4				2.68	A.A.
573	1607.25	8.0	7.0			24.7				2.69	A.A.
574	1607.50	10.8	9.6	1.9	1.5	24.5				2.68	A.A.
575	1607.75	21.5	19.5			24.7				2.69	A.A.
576	1608.00	12.5	11.1			23.5				2.69	A.A.
577	1608.25	0.67	0.52			19.4				2.68	A.A.VW-cmt.w/Cl.
578	1608.50	4.7	4.0	1.3	1.0	22.6				2.69	A.A.P-srt.w/o Cl.
579	1608.75	9024	8924			32.6				2.66	A.A.M/Crs-gr.VP-cmt.
580	1609.00	1870	1832			28.9				2.65	A.A.
581	1609.25	142	134			31.1				2.72	A.A.F/M-gr.Fr-cmt.w/Pyr.
582	1609.50	139	132	140	133	29.6				2.69	A.A.
583	1609.75	632	612			27.1				2.71	A.A.VCrs-gr.P-cmt.w/o C
584	1610.00	2099	2058			27.9				2.72	A.A.
585	1610.25	7.0	6.1			24.1				2.72	A.A.VF-gr.W-cmt.W-srt.w/o Pyr.w/C
586	1610.50	0.66	0.51	2.0	1.60	17.9				2.72	A.A.
587	1610.75	3.4	2.9			21.6				2.69	A.A.
588	1611.00	5.4	4.6			23.8				2.71	A.A.
589	1611.25	9.1	8.0			24.2				2.70	A.A.
590	1611.50	3.3	2.8	0.90	0.70	21.4				2.70	A.A.
591	1612.00	4.3	3.7			22.7				2.70	A.A.
592	1612.25	4.3	3.7			22.4				2.69	A.A.
593	1612.50	22.8	20.7	9.8	8.7	27.4				2.68	A.A.F-gr.
594	1612.75	148	141			32.3				2.69	A.A.Fr-cmt.w/o Sid.w/foss.
595	1613.00	106	100			30.8				2.67	A.A.
596	1613.25	0.098	0.073			4.5				2.69	Calc-sst.Lt-gry.F-gr.Sbang.VW-cmt.w/Mic.
597	1613.50	0.030	0.022	0.059	0.044	8.0				2.69	A.A.W-srt.
598	1613.75	0.038	0.028			8.5				2.70	A.A.w/foss.

COMPANY : STATOIL
WELL : 31/6-2
FIELD : 31/6
STATE : NORWAY

FINAL REPORT

CORE NO.: 9 (cont.)

DATE: FEBRUARY 1984

GECO
GEOPHYSICAL COMPANY OF NORWAY A-S
Petroleum laboratory

Plug No.	Depth (meter)	Permeability (mD), horizontal K_a	horizontal K_l	vertical K_a	vertical K_l	Porosity (%) He	Porosity (%) Sum.	Pore saturation S_o	Pore saturation S_w	Grain dens. g/cc	Formation Description
599	1614.00	234	225			32.7				2.70	Sst.Gry.F-gr.Sbang.Fr-cmt.w/Mic.Calc.Pyr
600	1614.25	717	696			28.3				2.67	A.A.M-gr.P-srt.w/o Pyr.
601	1614.50	1463	1430	nvpp		27.5				2.67	A.A.
602	1615.00	526	509			33.9				2.65	A.A.F-gr.W-srt.
603	1615.25	203	194			33.7				2.69	A.A.
604	1615.50	140	132	83.0	78.2	30.5				2.64	A.A.
605	1615.75	93.2	87.4			30.1				2.71	A.A.w/Pyr.
606	1616.00	213	203			32.2				2.67	A.A. w/o Pyr.
607	1616.25	111	105			26.3				2.69	A.A.
608	1616.50	142	134	50.6	47.2	30.3				2.67	A.A.
609	1616.75	126	119			32.3				2.69	A.A.
610	1617.00	86.0	80.5			30.3				2.67	A.A.
611	1617.50	65.8	61.1	10.9	9.6	31.5				2.65	A.A.
612	1617.75	50.2	46.3			29.6				2.68	A.A.
613	1618.00	44.5	41.2			29.5				2.69	A.A.
	1618.30										

COMPANY: STATOIL | FIELD: 31/6 | FILE:

WELL: 31/6-2 | COUNTY: | DATE: FEB.1984

LOCATION: | STATE: NORWAY | ELEV.:

CORE GRAPH

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 % — x — x —
PERMEABILITY mD HORIZONTAL — ■ —
VERTICAL — ▲ —

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

1000mD 100mD 10mD 0

FLUID SATURATION

OTHER | OIL | WATER

80 60 40 20 %

1435.00
1438.00
1441.00
1444.00
1447.00
1450.00
1453.00
1456.00
1453.00
1456.00
1459.00
1462.00
1465.00
1468.00
1471.00
1474.00
1472.00
1475.00
1478.00
1481.00
1484.00

CORE NO: 1

CORE NO: 2

CORE NO: 3

LOGGED INTERVAL:

CORE NO.1 :
1435.00 - 1453.30

CORE NO.2 :
1453.00 - 1471.41

CORE NO.3 :
1471.60 - 1483.60

COMPANY: STATØIL | FIELD: 31/6 | FILE:

WELL: 31/6-2 | COUNTY: | DATE: FEB.1984

LOCATION: | STATE: NØRWAY | ELEV.:

CORE GRAPH

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 HORIZONTRL
VERTICAL
% 42 39 36 33 30 27 24 21 18 15 12 9 6 3 %
1000mD 100mD 10mD 0

FLUID SATURATION
OTHER OIL WATER
80 60 40 20 %

CORE NO: 4

1484.00
1487.00
1490.00
1493.00
1496.00
1499.00

CORE NO: 5

1497.00
1500.00
1503.00
1506.00
1509.00
1512.00
1515.00
1518.00

LOGGED INTERVAL:

CORE NO.4 :
1483.60 - 1497.10

CORE NO.5 :
1497.20 - 1515.90

COMPANY: STATØIL | FIELD: 31/6 | FILE:

WELL: 31/6-2 | COUNTY: | DATE: FEB.1984

LOCATION: | STATE: NØRWAY | ELEV.:

CORE GRAPH

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 % — x — x —
PERMEABILITY mD HORIZONTAL — o —
VERTICAL —▲—

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

1000mD 100mD 10mD 0

FLUID SATURATION

OTHER | OIL | WATER

80 60 40 20 %

1516.00
1519.00
1522.00
1525.00
1528.00
1531.00
1534.00
1537.00
1540.00
1543.00
1546.00
1544.00
1547.00
1550.00
1553.00
1556.00
1559.00
1562.00
1565.00
1568.00
1571.00
1574.00

LOGGED INTERVAL:

CORE NO.6 :
1515.70 - 1543.40

CORE NO.7 :
1543.60 - 1571.50

CORE NO: 6

CORE NO: 7

COMPANY: STATØIL | FIELD: 31/6 | FILE:

WELL: 31/6-2 | COUNTY: | DATE: FEB.1984

LOCATION: | STATE: NØRWAY | ELEV.:

CORE GRAPH

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 % — x — x —
PERMEABILITY mD HORIZONTAL — ■ —
VERTICAL — ▲ —

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

1000mD 100mD 10mD 0

FLUID SATURATION

OTHER | OIL | WATER

80 60 40 20 %

CORE NO: 8

1572.00
1575.00
1578.00
1581.00
1584.00
1587.00
1590.00

CORE NO: 9

1591.00
1594.00
1597.00
1600.00
1603.00
1606.00
1609.00
1612.00
1615.00
1618.00
1621.00

LOGGED INTERVAL:

CORE NO.8 :
1571.50 - 1589.00

CORE NO.9 :
1591.00 - 1618.30