STATOIL

ROUTINE CORE ANALYSIS

WELL 6407/1-2

CORE 1-4

GECO

GEOPHYSICAL COMPANY
OF NORWAY A·S

GECO

STATOIL

ROUTINE CORE ANALYSIS

WELL 6407/1-2

CORE 1-4

COMPANY: Statoil
WELL : 6407/1-2
FIELD : 6407/1
STATE : Norway

FINAL REPORT

CORE NO.: 1

DATE: April 1983

GECO
GEOPHYSICAL COMPANY OF NORWAY A·S
Petroleum laboratory

Plug No.	Depth (meter)	Permeability (mD), horizontal K_a	horizontal $K_{1\parallel}$	vertical K_a	vertical K_1	Porosity (%) He	Porosity (%) Sum.	Pore saturation S_o	Pore saturation S_w	Grain dens. g/cc	Formation Description
	3661.00										
1	3661.15	47	40	101	89	16.4	16.8	4.5	29.7	2.66	Sst.Lt-gry.M/F-gr.Ang.vw-cmt.w/Mic.Pyr,C
2	3661.75	71	62	80	70	17.6				2.65	A.A.w-srt.
3	3662.10	107	95	23	19	17.3	12.2	0	12.1	2.64	A.A.
4	3662.40	220	200	7.2	5.5	14.9				2.65	A.A.
5	3662.75	17	14	24	20	15.5				2.65	A.A.
6	3663.10	58	50	19	15	17.0	11.0	0	20.7	2.68	A.A.M-gr.
7	3663.40	53	45	43	36	16.8				2.65	A.A.
8	3663.75	10.0	7.8	2.4	1.7	13.0				2.66	A.A.
9	3664.10	43	36	34	28	16.1	11.0	1.2	23.3	2.64	A.A.
10	3664.40	8.4	6.5	3.8	2.8	12.6				2.67	A.A.Fr-srt.
11	3664.75	6.5	4.9	7.6	5.8	16.3				2.66	A.A.M/F-gr.w-srt.
12	3665.10	16	13	2.6	1.9	17.2	17.4	4.3	37.2	2.65	A.A.
13	3665.40	15	12	8.4	6.5	17.8				2.65	A.A.
14	3665.75	6.9	5.2	4.1	3.0	17.7				2.66	A.A.
15	3666.10	7.2	5.5	7.7	5.9	12.8	8.9	0	5.9	2.65	A.A.Crs-gr.Fr-srt.
16	3666.40	8.3	6.4	8.9	6.9	15.6				2.64	A.A.F/M-gr.w-srt.
17	3666.75	233	213	136	122	18.1				2.65	A.A.
18	3667.10	154	139	147	132	17.8	15.4	4.9	24.3	2.65	A.A.
19	3667.40	265	245	254	234	17.4				2.64	A.A.w/oPyr.C
20	3667.75	103	91	71	63	18.5				2.64	A.A.w/Pyr.
21	3668.10	336	306	174	157	19.0	14.8	3.4	29.0	2.64	A.A.
22	3668.40	744	704	449	419	16.1				2.64	A.A.M-gr.w/oPyr.
23	3668.75	15	12	8.8	6.8	13.8				2.65	A.A.F/M-gr.w/Pyr.C
24	3669.10	3.5	2.5	17	14	13.4	11.1	7.2	36.0	2.66	A.A.
25	3669.60	102	90	17	14	17.4				2.64	A.A.
26	3669.90	65	56	48	41	10.2				2.78	A.A.M/Crs-gr.Fr-srt.w/oPyr.C
27	3670.20	6.9	5.2	0.45	0.29	13.4	9.6	0	23.6	2.67	A.A.M/F-gr.W-srt.w/Pyr.C
28	3670.50	168	152	13	10	13.4				2.65	A.A.M/Crs-gr.Fr-srt.w/Calc.
29	3670.85	71	62	41	35	11.3				2.64	A.A.VCrs-gr.P-srt.

COMPANY: Statoil
WELL : 6407/1-2
FIELD : 6407/1
STATE : Norway

FINAL REPORT

CORE NO.: 1 (cont.)

DATE: April 1983

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
30	3671.15	53	45	19	15	14.9	8.9	0	14.1	2.65	A.A.M/F-gr.w-srt.
31	3671.40	68	59	50	43	15.7				2.65	A.A.w/oCalc.
32	3671.75	119	106	56	48	17.1				2.65	A.A.
33	3672.10	33	28	21	17	15.1	12.9	4.0	29.9	2.64	A.A.
34	3672.40	54	46	31	26	12.5				2.68	A.A.M/Crs-gr.P-srt.
35	3672.75	17	14	19	15	11.8				2.64	A.A.
36	3673.10	75	65	21	17	15.3	9.1	0	8.6	2.64	A.A.M/F-gr.w-srt.
37	3673.40	30	25	38	32	14.5				2.65	A.A.
38	3673.75	68	59	28	23	16.5				2.65	A.A.
39	3674.15	37	31	59	51	15.0	14.5	3.5	28.1	2.65	A.A.
40	3674.40	44	37	47	40	15.2				2.66	A.A.
41	3674.75	48	41	25	21	15.3				2.65	A.A.
42	3675.10	17	14	10.0	7.8	13.8	10.8	0	19.0	2.65	A.A.
43	3675.40	8.3	6.4	4.7	3.5	9.9				2.64	A.A.M/Crs-gr.P-srt.
44	3676.15	43	36	65	56	15.8	11.4	0	17.9	2.65	A.A.M/F-gr.w-srt.
45	3676.40	79	69	68	59	17.0				2.64	A.A.
46	3676.70	226	206	129	115	17.5				2.65	A.A.
47	3677.10	188	168	85	74	17.3	15.5	4.9	34.4	2.65	A.A.
48	3677.40	65	56	45	38	16.4				2.66	A.A.
49	3677.75	39	33	41	35	14.5				2.66	A.A.
50	3678.10	133	119	86	75	16.1	13.6	3.8	30.2	2.65	A.A.M-gr.
	3679.00										

COMPANY: Statoil
WELL : 6407/1-2
FIELD : 6407/1
STATE : Norway

FINAL REPORT

CORE NO.: 2

DATE: April 1983

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
	3679.00										
51	3679.05	47	40	44	37	15.7	13.9	5.5	27.5	2.67	Sst.Lt-gry.F/M-gr.Ang.w-cmt.w/Mic.Pyr,C
52	3679.35	79	69	67	58	15.4				2.65	A.A.w-srt.
53	3679.80	92	81	55	47	16.9				2.67	A.A.
54	3680.20	20	16	18	15	14.9	14.2	7.3	42.2	2.66	A.A.
55	3680.55	22	18	6.0	4.5	14.6				2.67	A.A.
56	3680.95	40	34	46	39	15.4				2.65	A.A.
57	3681.15	48	41	27	22	15.2	11.7	0	23.9	2.65	A.A.
58	3681.45	49	42	30	25	15.8				2.65	A.A.
59	3681.85	40	34	36	30	15.5				2.65	A.A.
60	3682.15	28	23	37	31	14.5	12.7	2.0	28.0	2.64	A.A.
61	3682.50	19	15	16	13	14.0				2.65	A.A.
62	3682.80	23	52	nmp	nmp	14.6				2.64	A.A.
63	3683.10	26	21	21	17	14.3	14.4	3.6	33.9	2.64	A.A.
64	3683.60	10.5	8.2	10.3	8.0	14.6				2.64	A.A.F-gr.
65	3683.95	7.6	5.8	4.1	3.0	14.4				2.65	A.A.M/F-gr.
66	3684.30	28	23	6.8	5.2	12.7	7.2	0	29.9	2.65	A.A.
67	3684.80	29	24	22	18	15.6				2.65	A.A.
68	3685.20	26	21	22	18	16.1				2.64	A.A.
69	3685.50	42	35	18	15	16.4	15.0	5.0	33.7	2.64	A.A.
70	3685.85	18	15	12	10	15.5				2.64	A.A.
71	3686.15	6.0	4.5	3.4	2.5	12.4				2.64	A.A.
72	3686.45	3.6	2.6	3.8	2.8	11.6	11.2	0	47.3	2.69	A.A.
73	3686.75	324	294	339	309	17.6				2.64	A.A.wh.M-gr.
74	3687.15	385	355	274	254	17.1				2.64	A.A.
75	3687.55	392	362	361	331	17.5	15.5	0	40.5	2.64	A.A.
76	3688.05	645	615	443	413	16.8				2.64	A.A.
77	3688.45	379	349	227	207	17.5				2.64	A.A.
	3688.50										

COMPANY: Statoil
WELL : 6407/1-2
FIELD : 6407/1
STATE : Norway

FINAL REPORT

CORE NO.: 3

DATE: April 1983

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
	3688.50										
78	3688.65	202	182	317	287	18.1	14.5	7.0	41.8	2.65	Sst.Lt-gry.M/F-gr.Ang.w-cmt.w/Mic.Pyr.C
79	3688.95	260	240	143	128	18.0				2.65	A.A.vw-srt.
80	3689.25	169	153	30	25	15.6				2.65	A.A.
81	3689.70	109	97	162	146	17.4	10.0	1.3	12.7	2.65	A.A.
82	3690.05	132	118	nvpp	nvpp	16.9				2.64	A.A.
83	3690.35	36	30	33	28	15.2				2.66	A.A.
84	3690.65	73	63	69	60	16.0	11.2	0	11.1	2.64	A.A.
85	3691.00	63	54	30	25	15.9				2.65	A.A.
86	3691.35	37	31	40	34	14.7				2.65	A.A.
87	3691.70	76	66	55	47	16.1	12.9	3.9	29.6	2.65	A.A.
88	3692.00	120	107	70	61	16.8				2.67	A.A.
89	3692.35	35	29	26	21	14.8				2.66	A.A.
90	3692.70	59	51	25	21	15.8	11.7	0	26.1	2.65	A.A.
91	3693.00	69	60	14	11	16.2				2.66	A.A.
92	3693.35	49	42	15	12	15.2				2.65	A.A.
93	3693.70	83	73	33	28	16.0	11.6	4.4	31.0	2.65	A.A.
94	3694.00	56	48	30	25	16.1				2.65	A.A.
95	3694.35	31	26	6.8	5.2	14.9				2.64	A.A.
96	3694.70	49	42	30	25	15.6	11.3	0	24.8	2.65	A.A.
97	3695.00	36	30	11.1	8.7	15.0				2.65	A.A.
98	3695.35	81	71	33	28	16.9				2.65	A.A.
99	3695.70	nmp	nmp	131	117	14.0	13.6	3.7	37.0	2.64	A.A.
100	3696.15	194	174	110	98	17.7				2.66	A.A.
101	3696.45	644	614	381	351	17.9				2.64	A.A.M-gr.w-srt.
102	3696.70	430	400	306	276	15.7	12.6	1.0	41.3	2.64	A.A.w/oPyr
103	3697.00	236	216	258	238	15.1				2.65	A.A.w/Pyr
104	3697.70	123	110	25	21	15.4				2.65	A.A.M/F-gr.vw-srt.
105	3698.00	151	136	63	54	15.0	13.8	3.7	37.1	2.65	A.A.
106	3698.35	238	218	152	137	16.6				2.65	A.A.

COMPANY: Statoil
WELL : 6407/1-2
FIELD : 6407/1
STATE : Norway

FINAL REPORT

CORE NO.: 3 (cont.)

DATE: April 1983

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
107	3698.70	135	121	83	73	17.1				2.66	A.A.
108	3699.00	201	181	207	187	16.7	12.6	0	32.3	2.66	A.A.
109	3699.35	119	106	70	61	16.7				2.65	A.A.
110	3699.60	200	180	163	147	14.9				2.65	A.A.M-gr.P-srt.
111	3700.10	195	175	92	81	17.0	11.8	0	30.5	2.65	A.A.M/Fgr.w-srt.
112	3700.40	96	85	64	55	15.2				2.64	A.A.
113	3700.75	110	98	100	88	15.5				2.65	A.A.
	3701.50										

COMPANY: Statoil
WELL : 6407/1-2
FIELD : 6407/1
STATE : Norway

FINAL REPORT

CORE NO.: 4

DATE: April 1983

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
	3701.50										
114	3701.70	633	614	247	236	17.5	18.2	5.5	43.6	2.65	Sst.Lt-gry.M-gr.Ang.w-cmt.w/Mic.Pyr,C
115	3702.00	200	191	475	459	14.6				2.66	A.A.M/Crs-gr.w-srt.w/Calc.
116	3702.35	374	360	264	252	17.5				2.65	A.A.
117	3702.80	218	208	129	122	15.7	10.8	1.2	25.8	2.65	A.A.
118	3703.05	877	853	33	29	17.0				2.65	A.A.
119	3703.40	181	172	121	114	15.4				2.65	A.A.M-gr.w/oCalc.
120	3703.70	142	135	140	133	16.5	12.9	1.0	31.1	2.65	A.A.
121	3704.00	191	182	163	154	16.0				2.65	A.A.
122	3704.30	44	40	51	47	13.7				2.65	A.A.
123	3704.70	164	155	98	92	15.8	15.4	5.0	46.6	2.65	A.A.
124	3705.00	131	124	67	62	15.4				2.65	A.A.M/F-gr.
125	3705.40	115	108	62	57	16.3				2.65	A.A.
126	3705.70	109	103	31	29	15.2	14.0	0.9	38.1	2.65	A.A.
127	3706.00	88	82	76	71	14.5				2.65	A.A.
128	3706.30	658	638	271	260	14.9				2.65	A.A.M/Crs-gr.
129	3706.70	337	324	242	231	15.0	17.7	2.8	39.2	2.66	A.A.Fr-srt.w/oC
130	3707.05	284	272	135	128	15.7				2.66	A.A.
131	3707.35	961	936	143	136	15.6				2.65	A.A.
132	3707.70	103	97	0.66	0.51	7.3	7.1	0	23.1	2.66	A.A.
133	3708.00	39	35	0.98	0.8	6.3				2.66	A.A.
134	3708.30	275	263	80	75	15.4				2.65	A.A.
135	3708.65	70	65	153	145	13.9	10.5	0	44.0	2.65	A.A.
136	3708.95	562	544	89	83	16.2				2.66	A.A.
137	3709.25	66	61	30	28	13.0				2.66	A.A.w/c
138	3709.65	201	192	89	83	15.4	16.1	0	60.5	2.65	A.A.M-gr.
139	3710.00	861	837	187	178	16.1				2.65	A.A.M/Crs-gr.P-srt.
140	3710.35	438	423	134	127	15.5				2.65	A.A.
141	3710.70	174	166	91	86	15.3	11.9	0	73.9	2.65	A.A.w/Calc.
142	3711.00	304	292	76	71	15.6				2.65	A.A.

COMPANY: Statoil
WELL : 6407/1-2
FIELD : 6407/1
STATE : Norway

FINAL REPORT

CORE NO.: 4 (cont.)

DATE: April 1983

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
143	3711.35	467	451	22	20	15.7				2.66	A.A.
144	3711.85	172	163	106	99	15.9	11.8	0	71.7	2.65	A.A.M-gr.w-srt.
145	3712.10	545	527	108	102	15.7				2.65	A.A.Crs-gr.Fr-srt.
146	3712.35	223	213	78	73	15.7				2.66	A.A.
147	3712.75	398	384	156	148	16.2	14.2	0	77.2	2.65	A.A.w/oC
148	3713.10	287	275	148	140	15.6				2.65	A.A.
149	3713.45	341	320	87	81	15.5				2.65	A.A.
150	3713.75	313	300	84	78	16.2	12.5	0	76.3	2.65	A.A.
151	3714.10	515	498	41	38	15.5				2.66	A.A.
152	3714.40	356	343	228	218	15.4				2.66	A.A.P-srt.w/c
153	3714.75	389	375	188	179	15.8	12.1	0	70.7	2.66	A.A.
154	3715.05	475	458	60	56	16.1				2.66	A.A.w/oC.
155	3715.70	242	232	239	229	15.7	14.7	0	60.9	2.66	A.A.
156	3716.05	577	559	289	277	16.6				2.65	A.A.
157	3716.35	337	324	90	84	15.4				2.65	A.A.
158	3716.70	409	394	146	139	16.3	9.7	0	58.9	2.66	A.A.
159	3717.00	242	232	140	132	16.2				2.65	A.A.w/c
160	3717.35	168	159	221	211	14.2				2.65	A.A.
161	3717.70	78	73	276	264	13.8	12.4	0	74.4	2.65	A.A.
162	3718.00	nhpp	nhpp	54	50	nhpp				nhpp	
163	3718.30	219	209	94	88	14.0				2.65	A.A.
164	3718.70	89	83	168	159	12.4	7.3	0	42.9	2.65	A.A.
165	3719.00	210	201	257	246	14.2				2.65	A.A.
	3719.30										