

Denne rapport
tilhører

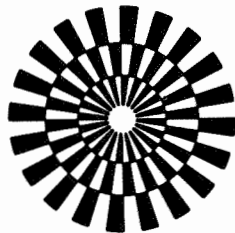


99.595.274-12
L&U DOK. SENTER

L. NR. 12481500122

KODE Well 34/10-9 nr. 7

Returneres etter bruk



GECO
GEOPHYSICAL COMPANY
OF NORWAY AS



STATOIL

CONVENTIONAL CORE ANALYSES

WELL: 34/10-9

LABORATORY

FINAL REPORT



Company Statoil Date ... June. 1980

Well 34/10-9 Core No. 1

Field State Norway

DEPTH	HORIZONTAL PERMEABILITY MILLIDARCY		VERTICAL PERMEABILITY MILLIDARCY		HELIUM POROSITY %	SATURATION POROSITY %	PORE-SATURATION PORESATORAT		GRAIN DENS.	FORMATION DESCRIPTION
	KA	KL	KA	KL			SO	STW.		
1850.29-40	31	26	27	23	24.9	25.2	28.9	46.4	2.66	s.st.Gy. Med/Fine gr. w.cement. w/mica trace of org.matter
51.27-39	479	449	1175	1125	33.4	22.3	15.8	21.4	2.68	s.st.Gy. Med.gr. poor cement. w/mica
51.67-75	14	11	15	12	25.9				2.71	s.st.Gy. Med/Fine gr. w.cement. w/mica w/pyrite trace
52.04-16	2125	2065	n.v.p.	p.	38.2	31.1	18.3	41.5	2.67	s.st.Gy. Med.gr. poor cement. w/mica trac
52.54-61	2649	2569	2531	2451	38.2				2.64	A.A
52.91-53.02	2898	2818	n.m.p.		37.5	36.1	22.3	39.4	2.64	A.A
53.23-30	3037	2957	n.v.p.	p.	41.8				2.63	A.A
53.59-70	3551	3471	3076	2996	37.3	35.8	33.8	34.4	2.64	A.A
54.00-07	4035	3955	2785	2705	35.3				2.64	A.A med/coar.gr.
54.26-35	2495	2415	n.m.p.		35.3	33.8	24.2	38.5	2.62	A.A
55.17-28	3911	3831	5623	5543	33.4	25.5	19.8	43.9	2.60	A.A
55.83-56.01	5279	5199	4099	4019	n.m.p.	29.2	23.7	37.3		
56.82-93	3134	3054	n.v.p.	p.	32.5	32.3	21.8	34.0	2.68	s.st.Gy. Med/coar.gr. poor cement. w/mica
57.21-30	3367	3287	2322	2242	35.1				2.70	A.A. w/calcite trace
57.52-64	6480	6380	1737	1677	36.3	28.3	29.4	34.8	2.67	A.A without calcite
58.54-65	4219	4139	2737	2657	36.4	33.1	25.6	34.6	2.70	A.A
1858.97-04	2069	2009	812	772	31.9				2.77	s.st.Gy. Med/Coars.gr. poor cement. w/mica trace of pyrite
			End of core no. 1							

LABORATORY

FINAL REPORT



Company Statoil Date June 1980
 Well 34/10-9 Core No. 3
 Field State Norway

DEPTH	HORIZONTAL PERMEABILITY MILLIDARCY		VERTICAL PERMEABILITY MILLIDARCY		HELIUM POROSITY %	SATURATION POROSITY %	PORE-SATURATION PORESATORAT		GRAIN DENS.	FORMATION DESCRIPTION
	KA	KL	KA	KL			SO	STW.		
2094.00-07	0.29	0.18	0.161	0.10	4.4				2.70	s. st. Gy. Med/Fine gr. w.cement. v. calcitic w/mica trace
94.33-40	0.29	0.18	0.203	0.12	3,9				2.71	A.A
94.80-90	466	436	35	30	33.0	34.3	25.0	40.4	2.70	s. st. Gy. Med gr. poor cement. w/mica q/calcite
95.17-24	1689	1639	154	139	33.4				2.67	A.A. org., atter
95.45-52	n.m.p.		n.v.p.	p.	35.9				2.73	s. st. Gy. Med. gr. poor cement. w/mica w/calcite
95.77-87	0.36	0.23	0.24	0.15	5.8	25.4	2.9	82.6	2.76	s. st. Gy. Med/Fine gr. v.w.cement. calcitic w/pyrite trace
96.27-31	6075	5975	n.v.p.	p.	33.5				2.82	s. st. Gy. Med/Coar. gr. poor cement. calcitic w/mica
96.55-62	n.m.p.		0.21	0.13	33.1				2.66	s. st. Gy. Med/Fine gr. w.cement. w/mica w/clay
96.99-97.98	252	232	0.35	0.22	28.8	26.8	10.6	67.3	2.66	A.A
97.33-40	1.7	1.2	0.57	0.38	25,3				2,69	A.A. w/pyrite trace
97.72-80	17	13	0.99	0.67	30.8				2.66	s. st. Gy. Med/Fine gr. w.cement. w/mica
98.00-11	6.4	4.9	1.04	0.71	28.2	31.6	10.6	59.6	2.67	A.A
98.38-46	7.9	6.0	0.73	0.49	28.4				2.68	A.A trace of calcite
98.70-77	8.1	6.2	0.72	0.48	28.6				2.68	A.A
98.94-99.06	3.4	2.5	0.65	0.43	27.1	25.2	6.7	72.4	2.67	A.A
99.39-37	1.2	0.8	0.57	0.37	24.5				2.68	A.A
99.69-76	0.37	0.23	0.111	0-07	10.8				2.70	A A very calcitic
2100.99-100.10	.2	1.6	0.49	0.32	21.8	21.3	4.9	75.5	2.69	A.A
00.40-45	0.33	0.21	0.38	0.24	16.7				2.69	A.A
00.70-75	0.170	0.10	0.27	0.17	15.8				2.69	s. st. Gy. Med/Fine gr. v.w.cement. w/mica calcitic

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FINAL REPORT



Company Statoil Date June 1980
 Well 34/10-9 Core No. 3
 Field State Norway

DEPTH	HORIZONTAL PERMEABILITY MILLIDARCY		VERTICAL PERMEABILITY MILLIDARCY		HELIUM POROSITY %	SATURATION POROSITY %	PORE-SATURATION PORESATORAT		GRAIN DENS.	FORMATION DESCRIPTION
	KA	KL	KA	KL			SO	STW.		
2100.99-09	1.01	0.69	0.25	0.15	23.7	26.5	6.4	73.3	2.67	s.st.Gy.Med/Fine gr. w.cement. w/mica calcitic
01,25-32	1.5	1.0	0.25	0.16	22.8				2,67	s.st.Gy.Med/Fine gr. w.cement.w/mica calcitic
01.60-66	3.2	2.4	0.34	0.22	25.1				2.68	A.A
01.92-02.03	22	18	0.70	0-46	26.4	25.9	3.8	80.1	2.68	A.A
02.23-30	9.2	7.2	0.161	0.10	25.2				2.67	A.A
02.56-61	5.2	3.9	1.05	0.71	27.9				2.66	A.A
02.89-99	8.5	6.6	0.81	0.55	28.4	27.1	8.4	62.4	2.67	A.A
03.38-44	143	128	0.85	0.57	31.5				2.65	A.A
03.72-80	10.4	8.1	0.81	0.54	28.3				2.66	A.A
04.02-12	5.0	3.7	1.4	1.0	28.6	31.9	9.6	63.6	2.66	A.A
04.33-40	3.8	2.8	1.1	0.8	27.7				2.67	A.A
04.70-74	n.m.p.		2.7	1.9	30.8				2.68	A.A
04.97-05.06	10.4	8.1	0.33	0.21	30.4	29.7	9.4	67.6	2.68	A.A
05.27-35	1.7	1.2	0.62	0.41	28.0				2.72	A.A w/pyrite trace
05.58-65	5.5	4.1	0.56	0.37	28.4				2.69	s.st.Gy.Med/Fine gr. w.cement. w/mica calcitic
05.93-06.02	1.03	0.70	0.52	0.34	25.6	28.5	6.4	62.7	2.74	A.A. w/pyrite
06.26-31	7.2	5.5	0.38	0.24	27.6				2.68	s.st.Gy.Med/Fine gr. w.cement. w/mica calcitic
06.55-63	8.4	6.5	0.67	0.44	27.0				2.68	A.A
06.91-07.01	3.2	2.3	0.65	0.43	27.3	17.4	9.4	56.5	2.68	s.st.Gy.Med/Fine gr. w.Cement. w/mica Calcitic

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FINAL REPORT



Company Statoil Date June 1980

Well 34/10-9 Core No. 3

Field State Norway

DEPTH	HORIZONTAL PERMEABILITY MILLIDARCY		VERTICAL PERMEABILITY MILLIDARCY		HELIUM POROSITY %	SATURATION POROSITY %	PORE-SATURATION PORESATORAT		GRAIN DENS.	FORMATION DESCRIPTION
	KA	KL	KA	KL			SO	STW.		
2107.34-40	0.85	0.57	3.2	2.4	23.9				2.69	s.st.Gy. Med/Fine gr. w.cement. w/mica calcitic
07.73-82	4.8	3.6	2.5	1.8	27.8				2.69	A.A
08.02-14	0.29	0.18	0.161	0.10	12.0	16.9	0.8	84.7	2.70	A,A
08.40-44	0.31	0.20	0.27	0.17	18.0				2.69	A.A
08.71-78	0.22	0.13	0.176	0.11	16.6				2.67	A.A
08.98-07	1.4	1.0	0.58	0.38	24.9	23,8	4.3	75.7	2.66	A.A

End of core no. 3

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FINAL REPORT



Company Statoil Date June 1980
 Well 34/10-9 Core No. 4
 Field State Norway

DEPTH	HORIZONTAL PERMEABILITY MILLIDARCY		VERTICAL PERMEABILITY MILLIDARCY		HELIUM POROSITY %	SATURATION POROSITY %	PORE-SATURATION PORESATORAT		GRAIN DENS.	FORMATION DESCRIPTION
	KA	KL	KA	KL			SO	STW.		
2112.00-10	1.2	0.8	0.61	0.40	25.6	28.4	3.4	79.9	2.68	s.st.Gy.Med/Fine gr. w.cement. w/mica calcitic
12.31-38	0.41	0.26	0.194	0.12	24.8				2.69	A.A
12.63-70	1.7	1.2	0.117	0.07	25.1				2.68	A.A
12.98-07	0.35	0.23	0.155	0.09	24.3	30.2	3.2	80.3	2.70	A.A
13.36-42	0.68	0.45	n.v.p.p.		25.0				2.68	A.A
13.64-71	0.67	0.44	0.47	0.31	26.4				2.77	A.A w/pyrite trace
13.96-14.06	0.71	0.47	0.193	0.12	24.9	15.8	0.8	57.1	2.69	A.A without pyrite
14.28-35	1.5	1.0	0.23	0.15	26.4				2.68	A.A
14.60-65	0.85	0.57	n.v.p.p.		25.0				2.69	A.A
14.85-94	0.46	0.30	0.31	0.20	23.8	26.7	3.6	78.5	2.68	A.A
15.71-78	4.9	3.6	0.76	0.51	26.8				2.68	A.A
15.98-16.08	7.8	6.0	1.01	0.69	27.2	27.0	2.7	82.4	2.68	A.A
16.24-30	21	17	0.35	0.22	23.9				2.69	A.A
16.99-17.09	16	13	7.5	5.7	28.9	25.8	3.6	71.5	2.67	A.A
17.27-34	16	13	9.1	7.1	27.1				2.68	A.A
17.60-68	37	31	5.5	4.1	31.3				2.66	A.A
17.91-18.00	3.1	2.2	0.94	0.64	20.9	26.3	4.5	67.3	2.68	A,A
18.24-30	3.0	2.2	0.74	0.49	20.2				2.69	A.A
18.62-67	1.2	0.8	0.156	0.09	17.5				2.69	A.A
18.90-99	0.25	0.16	0.117	0.07	12.6	11.5	0.0	77.4	2.70	A.A very calcitic

LABORATORY

FINAL REPORT



Company Statoil Date June 1980
 Well 34/10-9 Core No. 4
 Field State Norway

DEPTH	HORIZONTAL PERMEABILITY MILLIDARCY		VERTICAL PERMEABILITY MILLIDARCY		HELIUM POROSITY %	SATURATION POROSITY %	PORE-SATURATION PORESATORAT		GRAIN DENS.	FORMATION DESCRIPTION
	KA	KL	KA	KL			SO	STW.		
2119.28-36	8.2	6.3	0.75	0.50	21.6	21.8	3.1	90.6	2.72	s.st.Gy.Med/Fine gr. v.w.cement. w/mica v.calcitic
19.68-75	38	32	0.73	0.49	29.1				2.66	A.A. w.cement.
20.03-13	38	33	5.0	3.8	29.0	21.8	3.1	90.6	2.68	A.A
20.33-41	25	21	3.0	2.1	29.0				2.67	A.A
20.70-77	10.6	8.3	1.3	0.9	27.8				2.69	A.A
20.93-21.04	13	10	1.09	0.74	27.2	30.9	2.2	63.4	2.67	A.A
21.29-38	105	93	20	16	32.1				2.67	A.A w/poor cement.
21.62-70	7.3	5.6	7.2	5.5	27.7				2.67	A.A. w.cement.
21.96-08	9.9	7.7	2.0	1.4	29.5	30.1	3.9	73.6	2.68	A.A
22.29-37	38	32	1.6	1.1	30.1				2.68	A.A
22.74-80	n.h.p.p.		n.v.p.p.		32.6				2.68	A.A
23.05-15	n.h.p.p.		n.v.p.p.		32.1	27.0	2.6	71.2	2.70	A.A
23.42-49	n.h.p.p.		2.7	2.0	31.4				2.68	A.A
23.80-86	n.h.p.p.		n.v.p.p.		28.4				2.68	A.A
24.10-19	n.h.p.p.		0.82	0.55	20.5	20.8	2.4	72.9	2.69	A.A
24.39-46	1.1	0.8	0.28	0.17	18.3				2.70	A.A
24.66-73	1.06	0.72	n.v.p.p.		15.7				2.69	A.A
24.95-05	n.h.p.p.		1.04	0.71	26.2	27.0	2.6	68.4	2.65	A.A
25.28-34	0.117	0.07	0.126	0.07	9.8				2.71	s.st.Gy.Med/Fine gr. v.w.cement. w/mica v.calcitic
25.62-69	0.096	0.06	0.078	0.04	7.0				2.70	A.A

LABORATORY

FINAL REPORT



Company Statoil Date June 1980
 Well 34/10-9 Core No. 4
 Field State Norway

DEPTH	HORIZONTAL PERMEABILITY MILLIDARCY		VERTICAL PERMEABILITY MILLIDARCY		HELIUM POROSITY %	SATURATION POROSITY %	PORE-SATURATION PORESATORAT		GRAIN DENS.	FORMATION DESCRIPTION	
	KA	KL	KA	KL			SO	STW.			
2126.00-08	0.22	0.14	n.v.	p.p.	10.1	17.2	0.8	82.2	2.70	s.st.Gy.Med/Fine gr. v.w.cement. w/mica v.calcitic	
27.26-36	56	49	1.8	1.3	27.9	26.4	2.7	72.4	2.69	A.A	
			End of core no. 4								

LABORATORY

FINAL REPORT



Company ...Statoil..... Date June 1980.....
 Well34/10-9..... Core No. 5.....
 Field State Norway.....

DEPTH	HORIZONTAL PERMEABILITY MILLIDARCY		VERTICAL PERMEABILITY MILLIDARCY		HELIUM POROSITY %	SATURATION POROSITY %	PORE-SATURATION PORESATORAT		GRAIN DENS.	FORMATION DESCRIPTION
	KA	KL	KA	KL			SO	STW.		
2400.00-14	2128	2068			31.7	30.9	0	92.0	2.66	Sst. Gy. Coarse gr. poor cemented, traces of coal.
					End of core No. 5.					

LABORATORY

FINAL REPORT

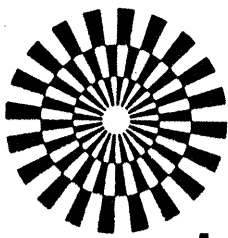


Company Statoil Date June 1980

Well 34/10-9 Core No. 6

Field State Norway

DEPTH	HORIZONTAL PERMEABILITY MILLIDARCY		VERTICAL PERMEABILITY MILLIDARCY		HELIUM POROSITY %	SATURATION POROSITY %	PORE-SATURATION PORESATORAT		GRAIN DENS.	FORMATION DESCRIPTION
	KA	KL	KA	KL			SO	STW.		
2400.50-63	N.P.P.					28.3	0	82.3		Very coarse s.st.
00.80-90	"									" " "
01.11-23	"					13.6	0	40.0		" " "
01.40-48	"									" " "
01.70-80	"					27.0	0	52.4		" " "
02.00-10	"									" " "
02.29-42	"					23.5	0	78.3		" " "
02.60-67	"									" " "
02.91-07	"					22.7	0	52.9		" " "
03.21-32	0.025	0.01				10.7			2.49	Shale Gy./Bl. w/coal
03.70-80	0.035	0.02				11.5	16.3	0.8	83.2	3.65 Sst. Gy. Silt
										End of core No. 6.



GECO

laboratory

COMPANY STATOIL FIELD _____ FILE 9050
 WELL 34/10-9 COUNTY _____ DATE JULY 1980
 LOCATION _____ STATE NORWAY ELEV. _____

CORE GRAPH

These analyses, opinions or interpretations are based on observations and material supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Geco laboratories and its officers and employees.

VERTICAL SCALE: 1 : 200

