

STATOIL

WELL: 34/10-14

CORE NO.: 1-10

DATE: SEPTEMBER 1982





## **S**TAT01L

WELL: 34/10-14

CORE NO.: 1-10

DATE: SEPTEMBER 1982

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	计对价系统 计分类 计分类 计分类 计分类 计分类 化二甲基苯甲基甲基苯甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲	不可含于有电子系统 医骨骨骨骨骨骨骨骨骨骨骨骨骨骨骨骨骨骨骨骨骨骨骨骨骨骨骨骨骨骨骨骨骨骨骨骨	00	COMPANY:STATOIL	רסזנ		DAT	DATE: JULY 82		
* *	GECO A.S. LABORATORY	* LABORATORY *	E F	WELL: 34/10-14	10-14		CGR	CORE: 1		
* *	FINAL RE	# *	ī	FIELD:			STA	STATE:NORMAY		
* * *	***	*****							PAGE	-
DEP TH METER	HCRIZONTAL PERMEABILITY MILLIDARCY	FRTICAL RMEABILITY LLIDARCY	HEL I UM FOROS ITY	SUMM- ATION PORGS.	PORE— SATURATION	TION	GRAIN DENS.	FORMATION DESCRIPTION		
	KA KL	KA	•••	<b>64</b> °	SO	ST K	GR/CC			
1889.00 19C7.80										
ŦĨĨ	NO MEASURFMENT POSSIBLE NC PLUG POSSIBLE NO VERTICAL PLUG POSSIBLE NO MERZANTAL PLUG POSSIBLE	0551BLE : POSS1BLE u.g. POSS1BLE								

			PAGE: 2			-SRT.W/MIC,PYR				-CMT.W-SRT.		W-SRT.W/PYR.						
DATE: JULY 82	E: 2	STATE: NORWAY		FORMATICN	DESCRIPTION	SST.GY.F-GR.SBANG.VP-CHT.M-SRT.h/HIC,PYR	A.A	A.A	A.A.	CALC-SST.GY.F-GR.SBRNDD.FR-CMT.W-SRT.	A.A.W-CMT.W/MIC.PYR.	ST.GY.F-GR.SBRNDD.FR-CMT.	A. A. W/MIC. CALC.	A.A.W/O PYR.CALC.W/C.		A.A.	A. A. VF-GR.	
DAT	CCRE:	STA		GRA IN	CENS. GR/CC			2.65 A	-	2.68 C				2.55 A			2.64 A	
Off	34/10-14			PORE- Saturation	SO ST₩•													
CGMP ANY:STATGEL	WELL: 34/1	FIELD:		SUMM- ATICN	PORCS.													
טֿ	NE NE	114		HELIUM	PCROS ITY	37.8	30.1	38•€	34.4	37.8	26.8	35.6	25.1	35.8	(++++	38.0	26.7	
* * * * * * * * * * * * * * * * * * *	* * ;	* *	******	CAL BILITY	ARCY KL	616.0	,	√ 1893 <b>.</b> 0	1477.0	1683.0	74.0	191.0	42.0	43.0	954.0			111
***	GECG A.S. LABORATCRY	- - -	*****	VERTICAL PERMEABILITY	MILLIDARCY KA KL	646.0	(+++	1953.0		_	84.0	211.0	49.0	50.0	0.466	<u></u>	<b>:</b>	MEASUREMENT POSSIBLE PLUG POSSIBLE VERTICAL PLUG POSSIBLE HORIZONTAL PLUG POSSIBLE
***	0 A.S. L	FINAL KEPUKI	******	NTAL I'L ITY	ARCY KL	648.0	72.0	1833.0	1927.0	1979.0	324.0	938.0	857.0	665.0		927.0	10.0	MEASUREMENT POSSIBLE PLUG POSSIBLE VERTICAL PLUG POSSIBLE HORIZONTAL PLUG POSSIB
建水质水质水体水体水质性溶液等溶液涂液涂涂涂涂涂涂涂涂涂涂涂涂涂涂涂涂涂涂涂涂涂涂涂涂涂涂	GEC.		***************************************	HORIZONTAL PERMEABÍLITY	MILLIDARCY KA KI	678.0	92.0	1893.0	1987.0	2039.0	354.0	948.0	937.0	705.0	(++++	967.0	12.0	NO MEASUR NO PLUG R NO VERTIC NC HORIZO
* * *	<b>* </b>	* #	* * * * *	DEPTH	METFR	1907.80	1512, 50	1913,20	19 13, 50	1913.83	1914,10	1914.40	1914.70	1916.40	1918.05	1918.40	1918, 80 1925, 00	

		PAGE: 3				
DATE: JULY 82	CCRF: 3	STATE:NORMAY	FORMATION DESCRIPTION	SLIST. GV. FR-CMT.W/MIC.CL.	A.A. A.A. A.A.W/F-GR.SD.	
70	8	rs	GRAIN DENS. GR/CC	2.68	2-45	
			PORE- SATURATION SO STM.	91.0	72.0	
.TOIL	10-14		PORE- SATURAT	5.4	15.0	
COMPANY:STATOIL	WELL: 34/10-14	FIELD:	SUMM- ATION PORGS.	21.5	14.7	
	W S	FI	HEL TUM PCROSITY	++) 25°7	21.9 31.2 29.0	
***************************************	· * * -	**********	VERTICAL PERMEABILITY MILLIDARCY A KL	19.0		۳
****	GECO A.S. LABORATORY FINAL REPORT	* * * * * * * * * * * * * * * * * * * *	VERTICAL PERMEABIL MILLIDARC KA	(+++0 86.98	ĪĪĪ	NO MEASUREMENT POSSIBLE NO PLUG POSSIBLE NO VERTICAL PLUG POSSIBLE NO HORIZONTAL PLUG POSSIBLE
****	CO A.S.	***	HORIZONTAL ERMEABILITY MILLIDARCY A KL	1.3	31.0	UREMENT P POSSIBLE ICAL PLUG ZONTAL PL
* * * * * * * * * * * * * * * * * * * *	99	****	HORIZONTAL PERMEABILITY MILLIDARCY KA KL	1.9	+) +) 37.0	NO MEASING PLUG NO VERT NO HORI
* * *	* *	***	DEPTH NETER	1925.00 1926.86-96 1926.40-46	1929-44-50 1929-72-60 1930-00-10 1539-50	÷÷÷÷

		PAGE: 6			.• PYR-NOD. IC.	HC. 3. NOG-CMT.W/MIC. IC. CL.	I. W/MIC.ORG.MAT.		CD.FR-CMT.W/MIC. CL. 0-CMT.CDST_W/MIC.	MIC.CL.	3. P-CMT.W-SRT.											
DATE: JULY 82	CCRE= 6	STATE:NORWAY	FORMATION DESCRIPTION		MCST.GY.FR-CMT.W/MIC.CL.PYR-NOD. MDST.GY.FIS.FR-CMT.W/MIC. A.A.	SLTST.GY.FIS.FR-CMT.W/HIC. SST.LT-GY.VF-GR.SUB-ANG.MGC-CMT.W/MIC SLST.GY.LAM.FR.CMT.W/MIC.CL.	A.A. SLST.GY.QTZ.PBL.MOD.CHT.W/MIC.ORG.MAT A.A.	A.A.H/D DRG.MAT. A.A.	SST-LT-GY-VE-GR-SUB-RNED.FR-CMT.W/MIC. SCT-T-GY-FR-CMT.W/MIC.CL.	5.51=L1-GT-F-GT-50G-7NDDG-7-CT-60531-8771C-52 5LT5T-6V-FIS-FR-CMT-W/MIC-5L- 5T-6V-F-GR-5UB-RNDD-FR-CMT-MTRX-W/MIC-5	A.A.	A.A.GRST.	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	A - A -	A.A.	A.A.	A.A.	A. A. W/O C.	A.A.F-GR.	A.A.M-GR.	A.A.	A - A - A - A - A - A - A - A - A - A -
'n	8	rs	GRAIN DENS. GR/CC		2.66 2.65 2.65	2.56	2.55 2.64 2.63	2.59 3.04	2 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	2.55	2.63	2.60	2-64	2-63	2.63	2.63	2-62	2.60	2.60	2.69	2.61	
			PORE- SATURATION SO STM.	44°&	72.5	73.0	80.8	34.8	21.6	7.24	50.6	52.5	19.6		55.4	30°7		28.9		55.8	44.7	46.0
TOIL	34/10-14		PORE- SATURAT SO	0.5	8 .0	0.5	0.0	0.0	0-0	d	2°8	0.0	c	•	0.0	0-0	:	0.0		4.5	0.0	0.0
COMP ANY:STATOIL	WELL: 34/	FIELD:	SUMM- ATION PORGS.	19.7	14.5	24.5	9•3	9.2	35.3	1.5.1	31.8	22.1	, r		34.7	21.9	!	28.0		89 80 80	23.5	33.1
CO	Ä	H	HELIUM PCRCSITY	÷÷	25.0 22.5	24.3 29.5 25.0	22.4 18.0 19.1	20.8 23.5	33.1	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	32.6	35.4	37.2	37-2	35.00	35.4	34-0	33.5	34.5	31.4 33.1	32.6 33.0	÷÷
***	* * *	* * *	117 Y K			0.02		0.08	41.0	1530.0	763.0 1363.0	4847.0 7038.0	5818 0 6256 0	7039.0	4924-0	3581.0	12864	5271.0	9767.0	2076.0	1399.0	2931.0
***	ABOR ATORY		VERTICAL PERMEABIL MILLIDARC KA		TTT	0.036 0.90 +)	:::	0.136	48.0		803.0 1413.	4927. 7138.	5918-0 6366-0	7139	5004	4++)	13014.	5351.0	9678.0	2136.0	1449.0	3011.0
*****	D A. S. LABOR	FINAL KEP	NTAL ILITY ARCY KL			0.83	0.56		0*089	2450.0	756.0 1315.0	10822-0	8120.0 5715.0	7705.0	5187.0	7840.0	13604	6050.0	5785.0 3227.0	276.0	1682.0	
计分类 计分类 化二苯甲基苯甲基苯甲基苯甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲	GECO	FINAL REPUK!	HORIZONTAL PERMEABILITY MILLIDARCY KA KL	<b>:</b> :	÷===	1.2 12.0 +)	0°83 +)	77:	٠,	2537.0 +)	796.0 1365.0	10947. 362.0	8245.0 5795.0	7830.0	5267.0 +1	7965.0	13804.	6157.0	3307.0	306.0	1742.0	
* * *	* *	**	DEPTH METER	1972.50 1972.50-62 1973.11-20	973-43-50	1974, 35-44 1974, 70-80 1975, 00-08	1975,32-39 1975,88-00 1976,28-35	576.62-68 976.98-12	.977.36-44 .977.70-78 .978.02-10	978.54-71	980, 70–82 981,00–08	981-40-47	982.20-27 982.53-59	983.10-17	983, 70-80	984.37-43	985.17-25	985-78-88	986.16-23 966.46-55	987.20-30	987.50-57	1988.65-74 1985.65-78 1991.00

			PAGE: 7			-CMT-W/MIC.C.		RTX.W/MIC.C. -CMT.W-SRT.												-CMT.W/MIC.	
DATE: JULY 82	CGRE: 7	STATE:NORWAY		FORMATION DESCRIPTION		SST.LT-GY.N-GR.SUB-RNDD.P-CMT.W/MIC.C.	A.A.	SST.GY.F-GR.RNDD.FR-CMT.MRTX.W/MIC.C. SST.LT-GY.N-GR.SUB=RNCD.P-CMT.W-SRT.	A.A.	A.A.									,	SST.LT.GY.F-GR.SUB-RNDD.P-CMT.W/MIC. A.A. A.A.	A.A. A.A.
á	3	S		GRAIN	GR /CC	2.64	2-65	2.63	2.62	2.63										2.65 2.68 2.55	2.65 2.65 2.65
				PORE- Saturation	ST¥.	39.1	26.5	47.8	32.7	7		57.2	53.9	60.2	56.0	47.3	32.7	55.1	61.5	40.2	64.0
ATOIL	34/10-14				SO	4.7	8 • 8	4•1	11.2	, c	•	0.0	0.0	0.0	0.0	0-0	0.0	0.0	0.0	0.0	0.0
COMP ANY: ST ATOIL	WELL: 34	FIELD:		SUMM-	<b>.</b>	21.6	21.5	16.6	21.9	5		26.7	23.1	33.8	15.7	7.05	24.6	34.2	15.5	25.7	36.7
Ö	¥	14		HEL I UM		8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	31.6	34.3	35.0 34.5	35.7										34.2	35.6 36.3 37.2
***	* *	* *	*******	VERTICAL PERMEABILITY	KL KL	445.0 3564.0		113.0													
*****	A BOR ATOR Y	UR T	*****	VERTI PERMEA	KA	475.0	Ŧ	127.0 +)	ŦŦ:	÷											
***	A.S. LABOR	INAL REP	*****	TAL (L I TY	K.	1028.0	<b>6639.0</b>	1394.0	6174.0 5597.0	6233.0										607.0 891.0	1099.0 1093.0 1452.0
*****	GECO	_	******	HORIZONTAL PERMEABILITY	KA	1078.0 3322.0	6739.0 ++) ++)	1434.0	6274.0 5677.0	6333.0	:::	ŦŦ	î:	<b>::</b> :	<b>:</b> :	<del>?</del> ;;	<b>:</b> ::	:::	???	637.0 931.0	1149.0 1143.0 1502.0
	* *	* *	***	DEPTH	F L	1991 • 00 1991 • 60-71 1991 • 97-05	1992-30-38 1992-70-79 1992-93-03	1993.64-76 1993.64-76 1994.00-06	1554,30-39	1955.60-67	1597.52-59 1597.52-59	1958.27-38	1959.20-26 1959.45-58	1559.86-94 2000.22-33 2000.55-65	2001,21-30	2002, 42-50 2002, 75-86	2004.03-14	2004.66-74 2005.41-52 2005.80-89	2006.08-18 2006.38-48	2007.15-24	2008.17-25 2008.50-60 2008.85-93 2010.00

DATE: JULY 82	CCRE: 8	STATE:NORWAY PAGE: 8	N FORMATION • DESCRIPTION C	SST&LT-GY&F-GR&SUB-ANG&P-CMT&W-SRT&W/MIC A.A.VW-SRT& A.A. A.A. A.A.	A.A. A.A. A.A.MOD-CMI.							4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	
	_		GRAIN DENS. GR/CC	2.64 2.64 2.65 2.66 2.66	2.67 2.66 2.67 2.67	2-64	2.66 2.66 2.66	2-66	2.66 2.66 2.67 2.67	2.67	2.61	2.06 2.06 2.06 2.06 2.06	2.65 2.73 2.68 2.68 2.68 2.69 2.72
			PORE- SATURATION SO STM.	71.1	37.1	57.1	53.0	<u>:</u>	35.5	4-14	43.3	37.6 65.2	30.0
rcıı	34/10-14		POI SATUR	0.0	0.0	0-0	0.0	0.0	0.00	0.0	0 0	0.0	0.0
CGMP ANY = ST ATCIL	WELL: 34/	FIELD:	SUMM- ATION Porcs.	30.5	24.7	36.5	38.2	29•0	36.7	56.5	37.2	28.5 30.3	28.7
190	E A	114	HELIUM PCROSITY	27.6 25.3 28.5 7.7 5.0	37.1 36.7 37.1	36.2 36.9 37.6	36.9 37.0 36.7	37.4 37.4 37.0	37.54 37.29 37.29	37. 36.8 36.9 26.9	36.8 37.0 38.1	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	
* * * * * * * * * * * * * * * * * * *	* * *	* * *	ICAL ABILITY IDARCY KL	661.0 903.0 1060.0 715.0	781.0	954.0	1658.0 1407.0 1237.0	1474.0 1461.0 1491.0	1561.0 1375.0 1217.0 998.0	510.0 600.0 749.0 746.0	597.0 475.0 590.0 490.0	458.0 258.0 634.0 805.0 727.0	310.0 300.0 300.0 298.0 342.0 272.0
*	A BOR ATOR Y	*	VERT () PERMEA! MILLID KA	691.0 +) 943.0 1110.0 755.0	+) 821.0 +) 1165.0	1106.0	1718.0 1457.0 1287.0	1524.0 1511.0 1541.0	1611.0 1425.0 1267.0 1048.0	540.0 630.0 789.0 786.0	627.0 505.0 620.0 520.0	488.0 278.0 664.0 845.0 777.0	554.0 340.0 330.0 372.0 292.0
* * * * * * * * * * * * * * * * * * * *	GECO A.S. LABOR FINAL REPORT	*****	NT AL ILITY ARCY KL	1246.0	0000	138.0 1304.0 1843.0	929. 746. 531.	666. 725. 891.	855 473 607 165	1333.0 862.0 915.0 1054.0	873.0 616.0 1060.0 807.0	619.0 583.0 985.0 1027.0	688.0 397.0 581.0 556.0 767.0
***************************************	SEC	************	HORIZONTAL PERMEABILITY MILLIDARCY KA KL	+) +) +) 1296•0	1158.0 1317.0 1618.0	1088.0 1354.0 1903.0	989. 806. 531.	1726.0 1785.0 1951.0	1915.0 1523.0 1657.0 1215.0	1383.0 902.0 955.0 1104.0	913.0 646.0 1110.0 847.0	649.0 +1 613.0 1035.0 1077.0	728.0 427.0 611.0 586.0 807.0 419.0
**	* * *	**	DEPTH METER	2010,00 2010,00-12 2010,30-38 2010,69-80 2011,00-11	2011.65-71 2012.50-60 2012.85-90 2013.20-27	2013.52-62 2013.90-96 2014.16-23	2014.49-59 2015.29-36 2015.66-76	2015,95-06 2016,27-33 2016,59-68	2016.89-57 2017.18-26 2017.55-62 2017.86-57	2018.20-28 2018.52-58 2018.81-92 2019.15-20	2019, 82-91 2020, 10-17 2020, 65-75 2020, 90-02		2025-15-25 2025-15-25 2026-10-18 2026-41-50 2026-81-50 2027-08-15

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		σ			
		PAGE:			
			FORMATICN DESCRIPTION		
				A . A .	
			GRAIN DENS. GR/CC	2.72	
			PCRE- SATURATION SO STh.		
			P.CR S.A.T.UR SG		
			SUMM- ATIGN POROS.		
			HEL IUM PCROS ITY	6.0	
12			VERTICAL PFRMEABILITY MILLIDARCY KA KL	0.03	w
CATE: JULY 32	60	STATE: NORWAY	VERTI PERMEA MILLIC KA	0.053	S TBLE JSS TBLE POSS TBL
CATE:	CORF:	STATE	<b>1</b> ↓ ≻ ጟ	0.04	ENT POSS STELE PLUG PO
STATOIL	34/10-14		OR I ZONTA R MEABIL I ILLI DARC	0 690 0	NO MFASUREMENT POSSIBLE NO PLUG POSSIBLE NO VERTICAL PLUG POSSIBLE NO HORIZONTAL PLUG POSSIBLE
CCMPANY: STATOIL	#FLL:	FIELD:	DEPTH PEI METER M	2027.80-89 0.(	DN (++++

		PAGE: 10		MOD-CHT.%/MIC.		CNT.N/MIC. MCD-CMT.N/MIC.			
DATE: JULY 82	CCRE: 9	STATE:NORWAY	FORMATICN DESCRIPTION	SST.LT-GY.F-GR.SUB-ANG.MOD-CMT.L/MIC. A.A.W/CALC. A.A. A.A.	• • • • • • • • • • • • • • • • • • •	A.A. CALC-SST.LT-GY.F-GR.VW-CHT.W/MIC. SST.LT-GY.F-GR.SUB-ANG.MCD-CHT.W/MIC. A.A.W/MIC. A.A.	4444444		A.A. A.A. A.A. A.A. A.A. A.A.W/O C.
o	Ü	S	GRAIN DENS. GR/CC	2.66 2.66 2.66 2.66	222222222222222222222222222222222222222	2.66 2.66 2.66 2.66	222222222222222222222222222222222222222	2 5 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	2.68 2.68 2.68 2.68 2.68 2.66 2.66
			PORE- ATURATION O STh.	64.0	37.5	22.7		39°3 40°3 58°0	30.4 25.7 25.1
TOTL	34/10-14		PO SATU SO	0.0	0.0	6 6		0 0 0	0.0
CCMP ANY: ST ATOIL	WELL: 34/	FIELD:	SUMM- ATICN POROS.	29.8	18.2	12.5	. 0 .	18.2 17.3 29.3	25.1 23.6 23.2
Ü	¥		HELIUM POROSITY %	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		6 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	0 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	32.00 32.00 32.00 32.00 32.00 32.00
****	· * ·	*	ERTICAL RMEABILITY LLICARCY KL	725.0 468.0 500.0 77.0 244.0	852.0 852.0 376.0 270.0 680.0	212.0 0.02 695.0 580.0 958.0	74.00 1740.0 1740.0 1740.0 1760.0 1760.0 1760.0 1760.0	500.0 536.0 681.0 624.0 1361.0 103.0	165 85 85 95 95 95 95 95 95 95 95 95 95 95 95 95
***	LABORATORY	*****	VERT PFRME, MILLI KA	765.0 498.0 530.0 88.0	892.0 +) 691.0 406.0 300.0	, 232.0 , 0.044 +) 736.0 610.0 598.0	109.0 190.0 453.0 366.0 613.0 706.0 426.0 462.0	530.0 586.0 566.0 721.0 654.0 201.0 151.0 400.0	185.0 96.0 42.0 66.0 112.0 36.0
*	A . S.	1 N DC +	INTAL SILITY DARCY KL	997.0 636.0 821.0 294.0 546.0	953.0 807.0 807.0 805.0 654.0 825.0	213.0 0.03 756.0 822.0 665.0	143.0 590.0 590.0 652.0 939.0 1007.0 581.0	707.0 723.0 740.0 878.0 962.0 346.0 217.0	294-0 327-0 127-0 133-0 242-0 49-0 171-0
的复数医外外性 医乳球性 医乳球性 医二甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基	GECO		HCRIZONTAL PERMEABILITY MILLIDARCY KA KL	1047.9 666.0 861.0 324.0 576.0	950.0 1243.0 847.0 849.0 684.0 865.0	233.0 0.055 796.0 862.0 705.0 904.0	15% 0 387 0 620 0 692 0 979 0 1057 0 611 0 656 0	747.0 763.0 790.0 918.0 1012.0 376.0 237.0	324.0 357.0 142.0 145.0 262.0 47.0
*	* ** 4		DEPTH	2028.00 2030.40-50 2030.84-51 2031.20-30 2031.56-65 2031.82-69	2032,40-20 2032,40-50 2033,23-20- 2033,60-69 2033,60-69 2033,87-94	2034.88-97 2035.55-64 2035.85-51 2036.00-09 2036.30-37	2031, 53-03 2038, 20-30 2038, 81-50 2039, 00-07 2039, 32-40 2040, 00-10	2040.60-70 2040.93-00 2041.20-30 2041.90-00 2042.20-28 2042.50-61 2042.7-20-28	2043.41-51 2043.72-80 2043.98-06 2044.58-67 2044.58-67 2044.58-67

JULY 82			PAGE: 11	FORMATION	DESCRIPTION	SST. GV. F-GR. SUB-RNDD.N-CMT.CL-MTRX.N/MIC		SLT ST-6Y-LAM-#/CL-*-CMT-#/CALC-MIC-	SST.GY.VF-GR.SUB-RNDD.W-CMT.W/MIC.CALC.	SLTST.GY.LENS-OF-CL.CALC.SC.W-CMT.W/MIC.		A.A.LENS-OF-CL.SD.(VF-GR)																					
DATE: J	CCRE: 10	STATE:NGRWAY				97133	A .	SLTST	SST.6	SLTST	A-A-	A.A.L	A.A.	Α-Α-	A . A	A . A	A-A-		A-A-	A A	A-A-	A . A	AAA	A.A.	A-A-	A. A.	4 4	A A	A.A.				
ō	ũ	is		GRA IN	CENS. GR/CC	2.70	2.69	2.70	2 4 6 9	2.70	2-69	2.68	2.67	2.66	79.7	2,66	2-58	,	2.68	2.68	2.68	2.69	2.68	2.68	5.69	2.69	200	2.67	2.71				
				PORE- Saturation	STW	38.0		S - / B	7	•		25.1		51.8		21.3		;	11.1		81.4		55.5			64.7		53.2	1				
TCIL	34/10-14			POSATU	SO	5.4	,	0	•	•	,	0.0		2.2		ď	•	,			6.5		0.0	•		•		0-0					
COMPANY:STATCIL	WELL: 34/	FIELD:		SUMM-	PORGS.	12.3		o •		•	,	4.		5.5		4.2	•	,	12.2		14.8		6-3	1		4•4		8.5	,				
00	3	F		HELTUM	PGROSITY ≹	7 10	19.9	11.7	20.5	19.6	20.3	20-0	15.1	18.0	18.2	15.0	19.3	,	18.8	19.2	15.1	20.7	15.6	15.1	20.2	16.7	7.61	1 % 5 %	21.9				
* * * * * * * * * * * * * * * * * * *	· * ·	* *	***************************************	TICAL	DARCY	c c	2.6	0.02	4.7	0.03	90.0	0-06	0.02		,	900	0.04	0.05	30	90.0	0.02	0.04	0.0	0 0	0.02	0.05	,	50.0	0.04	; ;			37
****	ATCR	PORT	*****	VERT	MTLLII KA		3.6	0.039 0.033	6.2	0.059	160.0	0.100	0.032	Ŧ	+	0.052	0.065	0.000	(+++	0.070	0.043	0.071	0.071	0.05B	0.036	0.079	(+++)	0.060	0.074	5	POSSIBLE	POSS 1BLE	UG POSSTBI
**************************************	GFCO A. S. LABOR	FINAL RE	***	ONTAL	DAPCY		4.9	0.01	56.0	0.55	2.4	1.1	0.11	0.28	0.26	1.0	0.20		0.16	0.13	0.21	0.24	2.5	2,0		0.34	0.08	0.11		•	MEASUREMENT P	PLUG POSSIBLE VERTICAL PLUG POSSIBLE	ZONTAL PLI
***	J-S		***	HOR IZONTAL	MILLI	<b>‡</b> :	<b>6.</b> 5	112 •ר 0•25	65.0	0,82	3.3	1.6	7,183	0.44	0.41	1.4	0.32	(++++	<b>3.</b> 25	0.41	0.34	0.38	9.0	0.22	÷	0.52	7,131	0.185	1.4	•			NG HOR I
* * * *	* * *	÷ *	**	DEPTH	METFR	2210.00	2210.71-79	2211.60-75	2212-74-81	2213-40-47	2213.69-75	2214.00-10	2214.72-78	2215.06-17	2215.45-50	22 15, 98-06	2217.00-09	2217.50-60	2218,00-11	2218-50-60	2219,50-60	.2220.00-07	2220 50-58	2221-00-12	2222,00-09	2222.50-60	5553.00-09	2223.49-56	95-00-4777	2228.00	÷	÷ ÷	(++++

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* #			- '	8	COMP ANY: ST ATOIL	TOTL		70	DATE: JULY 82
* * *	GGCO A.S	GECO A.S. LABORATORY	` . ·	E.	4ELL: 34/	34/10-14		ដ	CORE: 5
* * *	**************************************	AGP CK	****		FIELD:			ß	STATE:NDRWAY PAGE: 5
DEP TH METER	HCR IZONTAL PERMEABILITY MILLIDARCY KA KL	VERN PERME MILLI KA	VERTICAL PERMEABILITY MILLIDARCY KA KL	HELIUM PORCSITY \$	SUMM- ATION PORCS.	PORE- Saturat So	PORE- SATURATION SO STW.	GRAIN DENS. GR/CC	FORMAT 1ON DE SCRIPTION
1957.00 1957.90 1962.64-77 1543.15-23	34.0 28.0 +1 ++)	2.1	1.5	33.6 36.5 ++)	15.7	6.5	54.8	2.70	SST.GY.VF-GR.P.CUT.W-SRT.W/MIC.C.CCCL. SST.GY.V.F-GR.SUB-ANG.FR.CMT.W/MIC.CL.
1963, 48-57 1963, 74-85 1564, 05-17	ŦŦŦ			<b>:::</b>	19.7	5.1	75.0		
1964, 47-59 1564, 80-92 1971, 66-76 1972, 00-12	<b>::::</b>			<b>::::</b>	12.0	3.8	67.6		
ŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢ	NO MEASUREMENT POSSIBLE NO PLUG POSSIBLE NO VERTICAL PLUG POSSIBLE NO HORIZONTAL PLUG POSSIBLE	r POSSIBLE LE .UG POSSIBLE PLUG POSSIB	 						

COMPANY: STATOIL WELL: 34/10-14 LOCATION:

FIELD:

COUNTY:

DATE: JULY 82

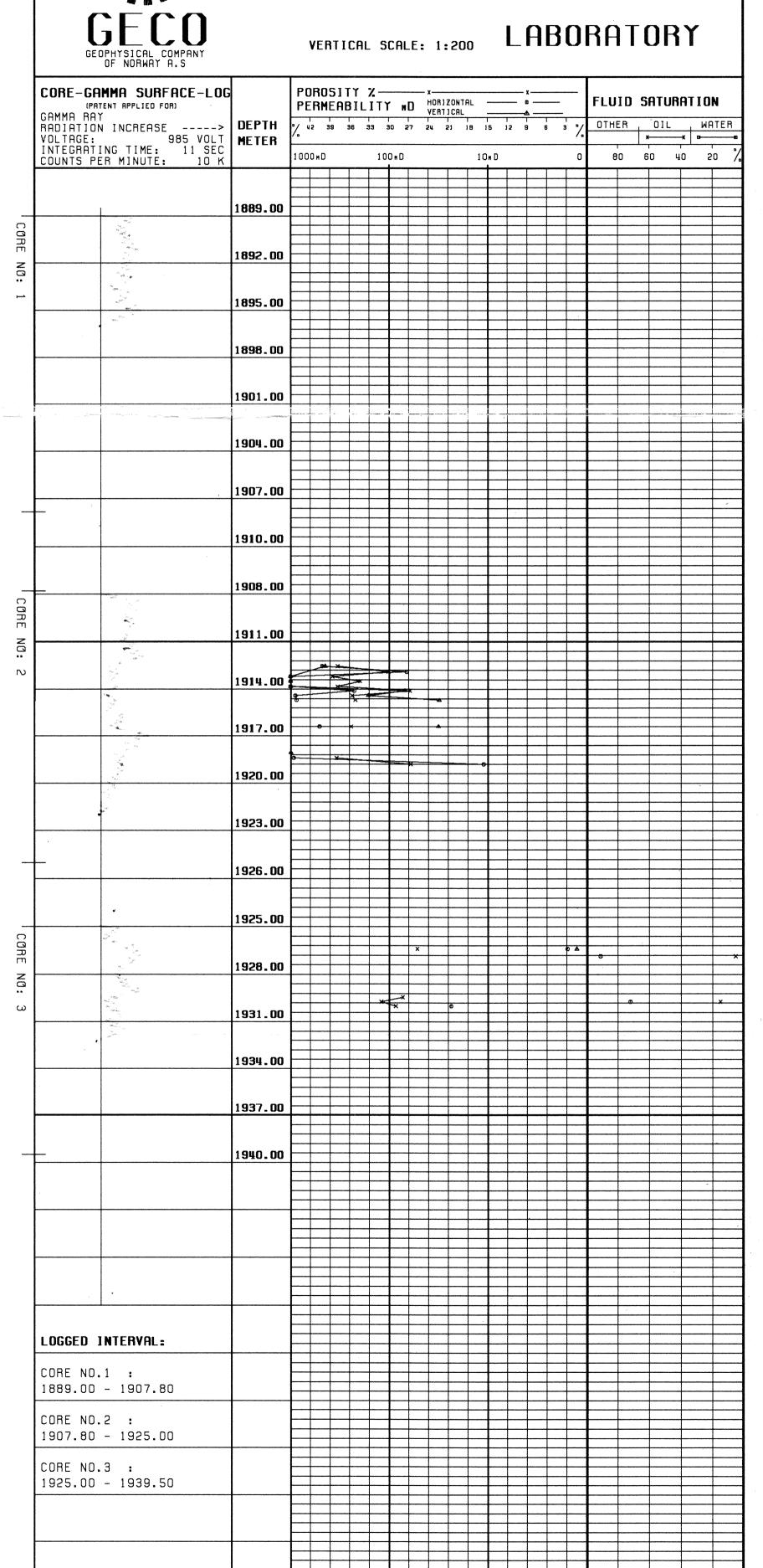
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ELEV.:

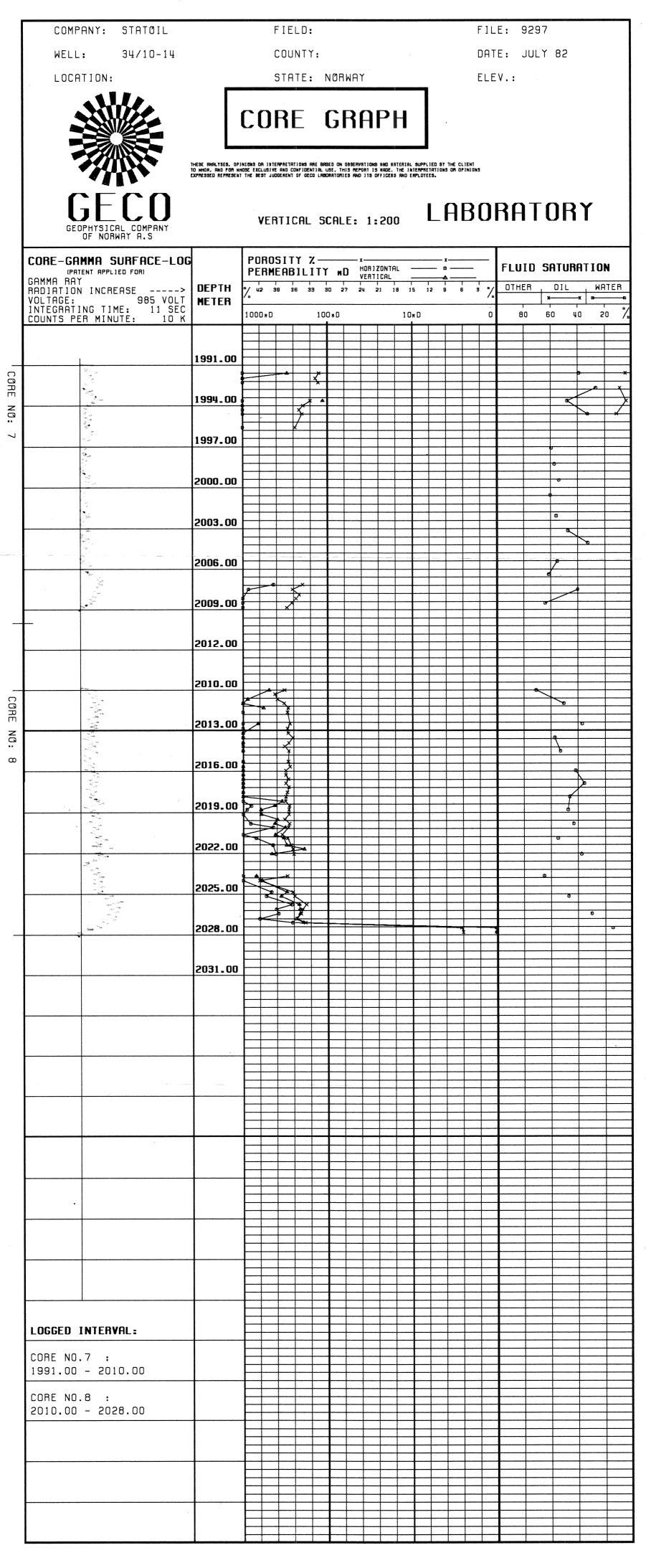


STATE: NORWAY

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



FIELD: FILE: 9297 COMPANY: STATUIL DATE: JULY 82 WELL: 34/10-14 COUNTY: ELEV.: LOCATION: STATE: NORWAY CORE GRAPH THESE ANALYSES, OPINIONS OR INTERPRETATIONS ARE BASED ON OBSERVATIONS AND MATERIAL SUPPLIED BY THE CLIENT TO MHOM, AND FOR MHOSE EXCLUSIVE AND CONFIDENTIAL USE, THIS REPORT IS MADE. THE INTERPRETATIONS OR OPINIONS EXPRESSED REPRESENT THE BEST JUDGEMENT OF GECO LABORATORIES AND ITS OFFICERS AND EMPLOYEES. LABORATORY VERTICAL SCALE: 1:200 OF NORWAY A.S POROSITY %----CORE-GAMMA SURFACE-LOG PERMEABILITY ND HORIZONTAL VERTICAL FLUID SATURATION (PATENT APPLIED FOR) GAMMA RAY **DEPTH** OTHER OIL WATER / 42 39 36 33 30 27 24 21 18 15 12 9 RADIATION INCREASE ----> VOLTAGE: 985 VOLT
INTEGRATING TIME: 11 SEC
COUNTS PER MINUTE: 10 K METER 50 40 1000 #D 100 mD 10 m D 0 80 60 1940.00 CORE NO: 1943.00 1946.00 1949.00 1952.00 1955.00 1958.00 1957.00 CORE 1960.00 NO: ഗ 1963.00 1966.00 1969.00 1972.00 1975.00 1973.00 1976.00 5 1979.00 1982.00 1985.00 1988.00 1991.00 1994.00 LOGGED INTERVAL: CORE NO.4 : 1939.50 - 1957.00 CORE NO.5 : 1957.00 - 1972.50 CORE NO.6 : 1972.50 - 1991.00



FILE: 9297 FIELD: COMPANY: STATØIL DATE: JULY 82 COUNTY: WELL: 34/10-14 ELEV.: LOCATION: STATE: NORWAY CORE GRAPH THESE ANALYSES, OPINIONS OR INTERPRETATIONS ARE BASED ON OBSERVATIONS AND NATERIAL SUPPLIED BY THE CLIENT TO NHOW, AND FOR WHOSE EXCLUSIVE AND COMPIDENTIAL USE, THIS REPORT IS MADE. THE INTERPRETATIONS OR OPINIONS EXPRESSED REPRESENT THE BEST JUDGEMENT OF SECO LABORATIONIES AND ITS OFFICERS AND EMPLOYEES. LABORATORY VERTICAL SCALE: 1:200 GEOPHYSICAL COMPANY OF NORWAY A.S POROSITY %-CORE-GAMMA SURFACE-LOG PERMEABILITY ND HORIZONTAL FLUID SATURATION (PATENT APPLIED FOR) VERT1CAL GAMMA RAY "/ 42 39 36 33 90 27 24 21 18 15 12 9 OTHER WATER OIL DEPTH RADIATION INCREASE VOLTAGE: 985 VOLT
INTEGRATING TIME: 11 SEC
COUNTS PER MINUTE: 10 K METER 1000 HD 100 mD 10 n D 80 60 40 50 2028.00 CORE 2031.00 2034.00 2037.00 2040.00 2043.00 2046.00 2049.00 2210.00 CORE 2213.00 NO: 10 2216.00 2219.00 2222.00 2225.00 2228.00 2231.00 LOGGED INTERVAL: CORE ND.9 : 2028.00 - 2047.00 CORE NO.10: 2210.00 - 2228.00