

Denne rapport
tilhører



L&U DOK. SENTER

L. NR. 20088370039

KODE Well 31/2-7 nr 8

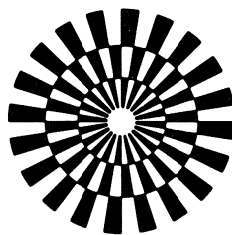
Returneres etter bruk

A/S NORSKE SHELL

FROZEN CORE ANALYSIS

WELL: 31/2-7

DATE: SEPTEMBER 82



GECO
GEOPHYSICAL COMPANY
OF NORWAY A/S

LABORATORY

FINAL REPORT



Company ... NORSKE SHELL Date ... June 82

Well 31/2-7 Core ... 1

Field State

DEPTH	HORIZONTAL PERMEABILITY MILLIDARCY		VERTICAL PERMEABILITY MILLIDARCY		HELIUM POROSITY %	BRINE POROSITY %	PORE-SATURATION PORESATORAT		GRAIN DENS.	FORMATION DESCRIPTION
	KA	KL	KA	KL			SO	STW.		
1547.10	87	76				29.9			2.64	
1547.39	66	57				27.5			2.67	
1547.70	215	195				28.0			2.71	
1548.00	433	403				30.0			2.68	
1548.30	407	377				29.4			2.67	
1548.60	1792	1732				28.2			2.74	
1549.00	733	693				30.6			2.70	
1549.30	267	247				29.5			2.70	
1549.60	13	10				18.4			2.67	
1549.90	924	884				30.6			2.71	
1550.20	879	839				33.1			2.68	
1550.50	2586	2506				33.4			2.67	
1550.80	643	613				28.5			2.74	
1551.10	4993	4913				34.4			2.69	
1551.45	964	924				31.8			2.65	
1551.80	1559	1509				32.8			2.66	
1552.25	906	866				30.5			2.66	
1552.50	21131	20831				34.2			2.64	
1552.80	649	619				29.8			2.63	
1553.10	36	30				29.6			2.64	

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 Well 31/2-7 Core 1
 Field State

DEPTH	HORIZONTAL PERMEABILITY MILLIDARCY		VERTICAL PERMEABILITY MILLIDARCY		HELIUM POROSITY %	BRINE POROSITY %	PORE-SATURATION PORESATORAT		GRAIN DENS.	FORMATION DESCRIPTION
	KA	KL	KA	KL			SO	STW.		
1553.40	538	508				28.5			2.64	
1553.70	371	341				29.0			2.64	
1554.00	187	167				35.3			2.63	
1554.30	333	303				27.9			2.65	
1554.60	111	98				27.7			2.64	
1554.90	47	40				28.0			2.66	
1555.20	107	95				29.1			2.64	
1555.50	136	122				29.1			2.67	
1555.80	147	132				29.1			2.65	
1556.40	26	21				24.2			2.63	

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Company NORSKE SHELL Date June 82

Well 31./2-7..... Core ...3.....

Field State

DEPTH	HORIZONTAL PERMEABILITY MILLIDARCY		VERTICAL PERMEABILITY MILLIDARCY		HELIUM POROSITY %	BRINE POROSITY %	PORE-SATURATION PORESATORAT		GRAIN DENS.	FORMATION DESCRIPTION
	KA	KL	KA	KL			SO	STW.		
1562.40	14214	14014				35.6			2.66	
1562.70	9578	9453				34.4			2.66	
1563.00	8294	8169				34.1			2.66	
1563.30	5039	4959				33.4			2.65	
1563.70	19571	19321				28.9			2.64	
1564.00	11547	11397				35.7			2.66	
1564.30	9242	9117				34.6			2.66	
1564.60	5039	4959				33.9			2.65	
1564.90	11263	11113				35.2			2.64	
1565.30	12906	12756				33.6			2.64	
1565.60	9315	9190				34.4			2.66	
1565.90	10042	9892				34.2			2.64	
1566.55	9519	9394				36.1			2.65	
1566.75	10365	10215				37.0			2.64	
1567.00	6946	6846				36.1			2.64	
1567.70	25763	25413				33.4			2.64	
1568.10	5778	5698				36.1			2.66	
1568.40	702	662				36.4			2.67	
1568.70	1885	1825				37.0			2.64	
1569.00	1269	1219				35.7			2.67	

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Company ... NORSKE SHELL Date ... June 82

Well 31/2-7 Core ... 3

Field State

DEPTH	HORIZONTAL PERMEABILITY MILLIDARCY		VERTICAL PERMEABILITY MILLIDARCY		HELIUM POROSITY %	BRINE POROSITY %	PORE-SATURATION PORESATORAT		GRAIN DENS.	FORMATION DESCRIPTION
	KA	KL	KA	KL			SO	STW.		
1569.30	1830	1770				36.5			2.68	
1569.60	1595	1545				36.0			2.68	
1569.90	1456	1406				35.5			2.67	
1570.20	1699	1649				36.8			2.66	
1570.60	13317	13117				30.9			2.66	
1570.90	9404	9279				35.7			2.65	
1571.60	11001	10851				32.9			2.64	
1572.40	2471	2391				35.3			2.66	
1572.70	3635	3555				35.8			2.66	
1573.00	NPP									
1573.40	9640	9515				34.9			2.64	
1573.70	NPP									
1574.00	6431	6331				36.8			2.65	
1574.30	14017	13817				34.8			2.64	
1575.80	8275	8150				36.7			2.64	
1576.10	17641	17391				36.0			2.63	
1576.40	21428	21128				37.1			2.64	
1576.70	11147	10997				35.8			2.62	
1577.00	6944	6844				36.1			2.65	
1577.28	15427	15227				36.5			2.65	

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Company NORSKE SHELL Date
 Well 31/2-7 Core ..3
 Field State

DEPTH	HORIZONTAL PERMEABILITY MILLIDARCY		VERTICAL PERMEABILITY MILLIDARCY		HELIUM POROSITY %	BRINE POROSITY %	PORE-SATURATION PORESATORAT		GRAIN DENS.	FORMATION DESCRIPTION
	KA	KL	KA	KL			SO	STW.		
1577.65	2134	2074				34.1			2.65	

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Company NORSKE SHELL Date June 82

Well 31/2-7 Core 4

Field State

DEPTH	HORIZONTAL PERMEABILITY MILLIDARCY		VERTICAL PERMEABILITY MILLIDARCY		HELIUM POROSITY %	BRINE POROSITY %	PORE-SATURATION PORESATORAT		GRAIN DENS.	FORMATION DESCRIPTION
	KA	KL	KA	KL			SO	STW.		
1587.50	2352	2272				35.3			2.65	
1587.80	3433	3353				35.5			2.66	
1588.10	1962	1902				32.8			2.66	
1588.70	1388	1338				32.3			2.65	
1589.25	12	10				31.5			2.64	
1589.50	9566	9441				35.8			2.65	
1589.80	8820	8695				34.2			2.64	
1590.10	4094	4014				32.2			2.64	
1590.50	3855	3775				32.4			2.64	
1590.85	1405	1355				30.9			2.64	
1591.15	1243	1193				32.7			2.64	
1591.45	913	873				32.6			2.66	
1591.75	177	157				32.0			2.64	
1592.05	132	118				32.4			2.66	
1592.35	3729	3649				35.9			2.66	
1592.65	480	450				34.6			2.65	
1592.95	25	21				27.0			2.66	
1593.25	624	594				30.0			2.64	
1593.55	31	26				27.7			2.64	
1593.85	31	26				27.3			2.67	

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 Well 31/2-7 Core 4
 Field State

DEPTH	HORIZONTAL PERMEABILITY MILLIDARCY		VERTICAL PERMEABILITY MILLIDARCY		HELIUM POROSITY %	BRINE POROSITY %	PORE-SATURATION PORESATORAT		GRAIN DENS.	FORMATION DESCRIPTION
	KA	KL	KA	KL			SO	STW.		
1594.15	59	51				28.1			2.64	
1594.45	87	76				29.8			2.68	
1594.75	108	96				29.1			2.66	
1595.05	9525	9400				36.0			2.65	
1595.45	5811	5711				35.1			2.65	
1595.75	3360	3280				34.5			2.66	
1596.00	63	54				30.6			2.64	
1596.30	183	163				31.0			2.66	

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Company ... NORSKE SHELL Date ... June 82

Well ... 31/2-7 Core ... 5

Field State

DEPTH	HORIZONTAL PERMEABILITY MILLIDARCY		VERTICAL PERMEABILITY MILLIDARCY		HELIUM POROSITY %	BRINE POROSITY %	PORE-SATURATION PORESATORAT		GRAIN DENS.	FORMATION DESCRIPTION
	KA	KL	KA	KL			SO	STW.		
1597.10	168	152				30.8			2.67	
1597.40	129	115				31.3			2.65	
1597.70	197	177				31.8			2.66	
1598.00	144	129				31.9			2.66	
1598.30	193	173				30.4			2.65	
1598.60	720	680				27.5			2.65	
1598.90	26	21				24.4			2.64	
1599.20	53	45				28.4			2.64	
1599.50	89	78				29.4			2.65	
1601.40	36	30				28.3			2.66	
1601.70	40	34				29.6			2.66	
1602.00	28	23				27.5			2.66	
1602.30	47	40				28.9			2.66	
1602.60	15	12				26.9			2.66	
1602.90	20	16				27.4			2.66	
1603.20	33	28				28.8			2.66	
1603.50	22	18				28.1			2.64	
1603.80	5.2	3.9				24.6			2.66	
1604.10	5.7	4.3				25.8			2.65	
1604.40	4.7	3.5				24.9			2.65	
1604.70	5.2	3.9				25.7			2.65	

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Company NORSKE SHELL Date June 82

Well 31/2-7 Core 5

Field State

DEPTH	HORIZONTAL PERMEABILITY MILLIDARCY		VERTICAL PERMEABILITY MILLIDARCY		HELIUM POROSITY %	BRINE POROSITY %	PORE-SATURATION PORESATORAT		GRAIN DENS.	FORMATION DESCRIPTION
	KA	KL	KA	KL			SO	STW.		
1605.00	6.7	5.1				26.6			2.64	
1605.30	6.8	5.2				26.4			2.64	
1605.60	8.2	6.3				26.7			2.63	
1605.90	8.1	6.2				25.6			2.64	
1606.20	8.4	6.5				25.6			2.63	
1606.50	12	10				27.0			2.63	
1606.80	7.9	6.1				25.8			2.60	
1607.10	15	12				25.3			2.66	
1607.40	20	16				24.1			2.65	
1607.90	93	82				32.7			2.64	
1608.20	800	760				35.1			2.67	
1608.50	56	48				26.8			2.66	
1608.80	100	88				31.4			2.67	
1609.10	55	47				31.5			2.64	
1609.50	62	53				30.4			2.65	
1609.80	39	33				30.1			2.65	
1610.10	48	41				30.2			2.66	
1610.40	21	17				29.8			2.67	
1610.70	35	29				29.7			2.66	
1611.00	14	11				27.8			2.65	

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Company NORSKE SHELL Date June 82

Well 31/2-7 Core 6

Field State

DEPTH	HORIZONTAL PERMEABILITY MILLIDARCY		VERTICAL PERMEABILITY MILLIDARCY		HELIUM POROSITY %	BRINE POROSITY %	PORE-SATURATION PORESATORAT		GRAIN DENS.	FORMATION DESCRIPTION
	KA	KL	KA	KL			SO	STW.		
1616.00	4.9	3.7				25.0			2.64	
1616.30	12	10				27.2			2.66	
1616.60	2.2	1.6				24.5			2.64	
1616.90	0.86	0.58				22.1			2.64	
1617.20	2.1	1.5				24.0			2.65	
1617.50	3.2	2.3				24.2			2.66	
1617.80	4.2	3.1				25.4			2.65	
1618.10	8.7	6.7				26.6			2.64	
1618.40	1.7	1.2				23.6			2.65	
1618.70	7.6	5.8				27.7			2.66	
1619.00	2.3	1.6				24.5			2.65	
1619.30	nmpp					25.9			2.62	
1619.60	7.0	5.3				28.5			2.65	
1619.90	26	21				31.0			2.66	
1620.20	22	18				29.8			2.66	
1620.50	3.8	2.8				26.4			2.66	
1620.80	5.9	4.4				26.8			2.65	
1621.10	1.3	0.91				24.6			2.63	
1621.40	3.7	2.7				24.2			2.64	
1621.70	1.7	1.2				22.9			2.61	

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Company NORSKE SHELL Date June 82

Well 31/2-7 Core 6

Field State

DEPTH	HORIZONTAL PERMEABILITY MILLIDARCY		VERTICAL PERMEABILITY MILLIDARCY		HELIUM POROSITY %	BRINE POROSITY %	PORE-SATURATION PORESATORAT		GRAIN DENS.	FORMATION DESCRIPTION
	KA	KL	KA	KL			SO	STW.		
1622.00	1.9	1.3				23.0			2.61	
1622.30	5.1	3.8				25.9			2.63	
1622.60	3.1	2.2				23.7			2.63	
1622.90	0.59	0.38				21.6			2.63	
1623.20	29	24				27.0			2.63	
1623.50	4.8	3.6				25.0			2.62	
1623.80	1.3	0.91				23.2			2.66	
1624.10	1.9	1.3				24.9			2.63	
1624.40	0.88	0.59				22.7			2.63	
1624.70	2.9	2.1				23.9			2.63	
1625.00	3.6	2.6				26.0			2.64	
1625.30	2.3	1.6				24.9			2.64	
1625.60	5.1	3.8				26.7			2.64	
1625.90	1.3	0.91				20.5			2.67	
1626.20	1.3	0.91				21.8			2.64	
1626.50	2.2	1.6				15.4			2.68	
1627.50	5.8	4.4				25.6			2.63	
1627.80	9.4	7.3				27.4			2.62	
1628.10	8.1	6.2				26.0			2.62	
1628.40	5.5	4.1				24.5			2.64	

LABORATORY

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Company NORSKE SHELL Date June 82

Well 31/2-7 Core 6

Field State

DEPTH	HORIZONTAL PERMEABILITY MILLIDARCY		VERTICAL PERMEABILITY MILLIDARCY		HELIUM POROSITY %	BRINE POROSITY %	PORE-SATURATION PORESATORAT		GRAIN DENS.	FORMATION DESCRIPTION
	KA	KL	KA	KL			SO	STW.		
1628.70	6.2	4.7				26.3			2.63	
1629.00	9.4	7.3				26.4			2.63	
1629.20	9.7	7.5				25.3			2.63	
1629.50	10.4	8.1				27.8			2.64	
1629.80	7.5	5.7				27.3			2.64	
1630.10	1.9	1.3				23.8			2.62	
1630.40	1.5	1.0				24.1			2.63	
1630.70	1.9	1.3				22.9			2.62	
1631.00	1.4	1.0				24.0			2.63	
1631.30	0.54	0.35				21.2			2.82	
1631.60	1.4	1.0				22.8			2.93	
1631.90	4.0	2.9				24.4			2.63	
1632.20	4.7	3.5				24.4			2.64	
1632.50	4.2	3.1				24.5			2.63	
1632.80	2.7	1.9				22.8			2.62	
1633.10	4.2	3.1				24.8			2.63	
1633.40	2.7	1.9				24.0			2.63	
1633.70	4.6	3.4				24.3			2.64	
1634.00	3.8	2.8				25.3			2.63	
1634.30	1.3	0.91				22.6			2.66	

