

Denne rapport
tilhører



L&U DOK. SENTER

L. NR. 30284110025

KODE well 31/2-2 nr 41

Returneres etter bruk

sperry

sonal, inc.

PRESSURE SURVEY REPORT

for

NORSKE SHELL A/S

WELL NO. 31/2-2

DATE: 28 JUNE 1980

TEST: COMPLETION TEST 1

OIL ZONE



(A Sperry-Sun Company)

Precision Instruments / Professional Service



PRESSURE TEST DATA SUMMARY

COMPANY: A/S NORSKE SHELL

DATE: 28 JUNE 1980

FIELD: WILDCAT

WELL NO: 31/2-2

JOB NO: MRPG-584-NOR

TEST TYPE: COMPLETION

TEST NO: 1

RUN NO: 2

MAX B.H.T. 150 °F

PERFORATION INTERVAL: 1586.5 - 1588.5 METRES

ZONE: JURASSIC SAND

	TOP	MIDDLE	BOTTOM
GAUGE TYPE/NO.	<u>MRPG/0016</u>	<u>MRPG/0007</u>	
PRESSURE SENSING DEPTH	<u>1563.5 METRES</u>	<u>1566.5 METRES</u>	<u>OTIS</u>
ELEMENT SIZE	<u>5000 PSI</u>	<u>5000 PSI</u>	<u>AMERADA</u>
TIME MODE	<u>1 MINUTE</u>	<u>1 MINUTE</u>	
BATTERY TYPE	<u>ALKALINE</u>	<u>ALKALINE</u>	

EVENT	SURFACE TIMES & DATES		TEMP.	°F
GAUGES ON BOTTOM WELL FLOWING ON				
12/64" CHOKE	17:22	27.6.80		
WELL SHUT IN	20:00	"		
SWAB VALVE OPENED	06:16	28.6.80		
GAUGES OFF BOTTOM	06:37	"		

- * GAUGE 0007 AND OTIS AMERADA LOST DOWN HOLE DUE TO BROKEN KNUCKLE JOINT
- * GAUGE 0016 TEMPERATURE SENSOR FAILED

M.R.P.G. PRESSURES ARE RELATIVE TO GAUGE CLOCK TIMES.

S.P.G. PRESSURES ARE RELATIVE TO TIME GRADIENT CALCULATED FROM SURFACE TIMES.

SPERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE 1

A/S NORSKE SHELL
WILDCAT
31/2-2

OFFSHORE NORWAY
27 JUNE 1980
MRPG-584-NOR

COMPLETION TEST 1. OIL ZONE. GAUGE 0016 SENSING DEPTH 1563.5 M. R.K.B.

DELTA TIME	PRESSURE	TIME	DATE	
0.000	1798.404	17:22	27- 6-80	GAUGES ON BOTTOM 17:22
0.017	1806.611	17:23		WELL FLOWING ON 12/64" CHOKE
0.033	1815.784	17:24		
0.050	1815.784	17:25		
0.067	1812.888	17:26		
0.083	1808.784	17:27		
0.100	1808.060	17:28		
0.117	1816.750	17:29		
0.133	1820.130	17:30		
0.150	1819.647	17:31		
0.167	1817.957	17:32		
0.183	1816.267	17:33		
0.200	1815.784	17:34		
0.217	1815.543	17:35		
0.233	1812.405	17:36		
0.250	1808.301	17:37		
0.267	1803.714	17:38		
0.283	1798.404	17:39		
0.300	1803.956	17:40		
0.317	1808.060	17:41		
0.333	1808.060	17:42		
0.350	1805.646	17:43		
0.367	1803.232	17:44		
0.383	1803.714	17:45		
0.400	1810.232	17:46		
0.417	1812.405	17:47		
0.433	1811.922	17:48		
0.450	1809.991	17:49		
0.467	1807.335	17:50		
0.483	1808.060	17:51		
0.500	1812.405	17:52		
0.517	1813.853	17:53		
0.533	1811.439	17:54		
0.550	1807.577	17:55		
0.567	1812.163	17:56		
0.583	1814.819	17:57		
0.600	1814.095	17:58		
0.617	1811.439	17:59		
0.633	1815.060	18: 0		
0.650	1817.716	18: 1		
0.667	1816.991	18: 2		
0.683	1815.060	18: 3		
0.700	1819.888	18: 4		
0.717	1818.440	18: 5		
0.733	1821.337	18: 6		
0.750	1822.302	18: 7		

SPERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

A/S NORSKE SHELL
WILDCAT
31/2-2

OFFSHORE NORWAY
27 JUNE 1980
MRPG-584-NOR

COMPLETION TEST 1. OIL ZONE. GAUGE 0016 SENSING DEPTH 1563.5 M. R.K.B.

DELTA TIME	PRESSURE	TIME	DATE
0.767	1823.026	18: 8	27- 6-80
0.783	1824.958	18: 9	
0.800	1824.233	18:10	
0.817	1826.647	18:11	
0.833	1827.613	18:12	
0.850	1828.579	18:13	
0.867	1830.027	18:14	
0.883	1830.510	18:15	
0.900	1831.958	18:16	
0.917	1832.441	18:17	
0.933	1833.165	18:18	
0.950	1834.131	18:19	
0.967	1834.855	18:20	
0.983	1835.579	18:21	
1.000	1836.786	18:22	
1.017	1837.510	18:23	
1.033	1838.476	18:24	
1.050	1838.717	18:25	
1.067	1839.200	18:26	
1.083	1839.683	18:27	
1.100	1840.407	18:28	
1.117	1841.131	18:29	
1.133	1841.614	18:30	
1.150	1842.097	18:31	
1.167	1842.821	18:32	
1.183	1843.787	18:33	
1.200	1844.028	18:34	
1.217	1844.752	18:35	
1.233	1845.235	18:36	
1.250	1845.718	18:37	
1.267	1846.201	18:38	
1.283	1847.408	18:39	
1.300	1847.891	18:40	
1.317	1849.098	18:41	
1.333	1850.546	18:42	
1.350	1852.719	18:43	
1.367	1854.891	18:44	
1.383	1857.788	18:45	
1.400	1859.961	18:46	
1.417	1862.616	18:47	
1.433	1863.582	18:48	
1.450	1865.513	18:49	
1.467	1863.582	18:50	
1.483	1865.271	18:51	
1.500	1865.513	18:52	
1.517	1860.443	18:53	
1.533	1862.857	18:54	

SPERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE 3

A/S NORSKE SHELL
WILDCAT
31/2-2

OFFSHORE NORWAY
27 JUNE 1980
MRPG-584-NOR

COMPLETION TEST 1. OIL ZONE. GAUGE 0016 SENSING DEPTH 1563.5 M. R.K.B.

DELTA TIME	PRESSURE	TIME	DATE
1.550	1862.857	18:55	27- 6-80
1.567	1857.547	18:56	
1.583	1861.650	18:57	
1.600	1862.133	18:58	
1.617	1857.305	18:59	
1.633	1861.892	19: 0	
1.650	1862.133	19: 1	
1.667	1857.547	19: 2	
1.683	1862.375	19: 3	
1.700	1861.892	19: 4	
1.717	1858.995	19: 5	
1.733	1863.582	19: 6	
1.750	1862.375	19: 7	
1.767	1861.168	19: 8	
1.783	1864.547	19: 9	
1.800	1862.133	19:10	
1.817	1862.375	19:11	
1.833	1865.996	19:12	
1.850	1862.375	19:13	
1.867	1862.133	19:14	
1.883	1865.996	19:15	
1.900	1861.892	19:16	
1.917	1862.133	19:17	
1.933	1865.271	19:18	
1.950	1862.375	19:19	
1.967	1861.409	19:20	
1.983	1865.271	19:21	
2.000	1862.375	19:22	
2.017	1859.961	19:23	
2.033	1864.789	19:24	
2.050	1862.857	19:25	
2.067	1859.236	19:26	
2.083	1864.306	19:27	
2.100	1862.857	19:28	
2.117	1858.512	19:29	
2.133	1864.306	19:30	
2.150	1864.789	19:31	
2.167	1859.719	19:32	
2.183	1863.099	19:33	
2.200	1865.754	19:34	
2.217	1862.616	19:35	
2.233	1861.650	19:36	
2.250	1866.237	19:37	
2.267	1864.789	19:38	
2.283	1860.202	19:39	
2.300	1864.306	19:40	
2.317	1865.996	19:41	

SPERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE 4

A/S NORSKE SHELL
WILDCAT
31/2-2

OFFSHORE NORWAY
27 JUNE 1980
MRPG-584-NOR

COMPLETION TEST 1. OIL ZONE. GAUGE 0016 SENSING DEPTH 1563.5 M. R.K.B.

DELTA TIME	PRESSURE	TIME	DATE
2.333	1864.064	19:42	27- 6-80
2.350	1859.236	19:43	
2.367	1864.547	19:44	
2.383	1865.513	19:45	
2.400	1862.133	19:46	
2.417	1858.995	19:47	
2.433	1863.582	19:48	
2.450	1864.547	19:49	
2.467	1861.650	19:50	
2.483	1857.547	19:51	
2.500	1863.340	19:52	
2.517	1865.030	19:53	
2.533	1862.375	19:54	
2.550	1857.064	19:55	
2.567	1860.926	19:56	
2.600	1864.789	19:58	

WELL SHUT IN 20:00

SPERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE 1

A/S NORSKE SHELL
WILDCAT
31/2-2

OFFSHORE NORWAY
27 JUNE 1980
MRPG-584-NOR

COMPLETION TEST 1. OIL ZONE. GAUGE 0016 SENSING DEPTH 1563.5 M. R.K.B.

DELTA TIME	PRESSURE	TIME	DATE
0.000	1864.789	19:58	27-6-80 WELL SHUT IN 20:00
0.017	1873.479	19:59	
0.033	1881.687	20:0	
0.050	1889.894	20:1	
0.067	1897.136	20:2	
0.083	1904.378	20:3	
0.100	1910.896	20:4	
0.117	1917.172	20:5	
0.133	1923.449	20:6	
0.150	1928.760	20:7	
0.167	1935.036	20:8	
0.183	1939.864	20:9	
0.200	1944.933	20:10	
0.217	1949.761	20:11	
0.233	1954.348	20:12	
0.250	1958.935	20:13	
0.267	1962.797	20:14	
0.283	1967.384	20:15	
0.300	1971.487	20:16	
0.317	1975.350	20:17	
0.333	1979.212	20:18	
0.350	1983.316	20:19	
0.367	1986.937	20:20	
0.383	1990.558	20:21	
0.400	1994.420	20:22	
0.417	1997.800	20:23	
0.433	2000.938	20:24	
0.450	2004.318	20:25	
0.467	2007.697	20:26	
0.483	2011.077	20:27	
0.500	2013.974	20:28	
0.517	2017.112	20:29	
0.533	2020.009	20:30	
0.550	2023.388	20:31	
0.567	2026.285	20:32	
0.583	2029.182	20:33	
0.600	2032.079	20:34	
0.617	2035.458	20:35	
0.633	2038.114	20:36	
0.650	2041.011	20:37	
0.667	2043.666	20:38	
0.683	2046.804	20:39	
0.700	2049.701	20:40	
0.717	2052.356	20:41	
0.733	2055.012	20:42	
0.750	2057.909	20:43	

SFERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE 2

A/S NORSKE SHELL
WILDCAT
31/2-2

OFFSHORE NORWAY
27 JUNE 1980
MRPG-584-NOR

COMPLETION TEST 1. OIL ZONE. GAUGE 0016 SENSING DEPTH 1563.5 M. R.K.B.

DELTA TIME	PRESSURE	TIME	DATE
0.767	2060.805	20:44	27- 6-80
0.783	2062.978	20:45	
0.800	2065.392	20:46	
0.817	2067.806	20:47	
0.833	2070.944	20:48	
0.850	2072.875	20:49	
0.867	2075.048	20:50	
0.883	2078.428	20:51	
0.900	2080.842	20:52	
0.917	2083.014	20:53	
0.933	2084.945	20:54	
0.950	2087.601	20:55	
0.967	2090.015	20:56	
0.983	2091.946	20:57	
1.000	2094.360	20:58	
1.017	2096.291	20:59	
1.033	2098.464	21: 0	
1.050	2100.154	21: 1	
1.067	2102.809	21: 2	
1.083	2105.223	21: 3	
1.100	2107.637	21: 4	
1.117	2109.085	21: 5	
1.133	2111.017	21: 6	
1.150	2112.706	21: 7	
1.167	2114.396	21: 8	
1.183	2116.327	21: 9	
1.200	2118.983	21:10	
1.217	2120.431	21:11	
1.233	2122.362	21:12	
1.250	2124.535	21:13	
1.267	2125.983	21:14	
1.283	2127.915	21:15	
1.300	2129.846	21:16	
1.317	2131.053	21:17	
1.333	2133.225	21:18	
1.350	2134.915	21:19	
1.367	2136.846	21:20	
1.383	2138.536	21:21	
1.400	2140.226	21:22	
1.417	2141.433	21:23	
1.433	2143.364	21:24	
1.450	2144.813	21:25	
1.467	2146.502	21:26	
1.483	2148.192	21:27	
1.500	2149.158	21:28	
1.517	2151.089	21:29	
1.533	2152.537	21:30	

SPERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE 3

A/S NORSKE SHELL
WILDCAT
31/2-2

OFFSHORE NORWAY
27 JUNE 1980
MRPG-584-NOR

COMPLETION TEST 1. OIL ZONE. GAUGE 0016 SENSING DEPTH 1563.5 M. R.K.B.

DELTA TIME	PRESSURE	TIME	DATE
1.550	2154.227	21:31	27- 6-80
1.567	2155.434	21:32	
1.583	2156.641	21:33	
1.600	2158.572	21:34	
1.617	2159.779	21:35	
1.633	2160.986	21:36	
1.650	2162.918	21:37	
1.667	2164.125	21:38	
1.683	2165.090	21:39	
1.700	2166.539	21:40	
1.717	2167.987	21:41	
1.733	2168.470	21:42	
1.750	2170.160	21:43	
1.767	2171.367	21:44	
1.783	2173.298	21:45	
1.800	2173.539	21:46	
1.817	2175.229	21:47	
1.833	2176.195	21:48	
1.850	2177.482	21:49	
1.867	2178.850	21:50	
1.883	2179.816	21:51	
1.900	2181.264	21:52	
1.917	2181.988	21:53	
1.933	2183.195	21:54	
1.950	2183.919	21:55	
1.967	2184.885	21:56	
1.983	2186.333	21:57	
2.000	2187.058	21:58	
2.017	2188.265	21:59	
2.033	2189.954	22: 0	
2.050	2190.196	22: 1	
2.067	2191.403	22: 2	
2.083	2192.127	22: 3	
2.100	2193.334	22: 4	
2.117	2194.300	22: 5	
2.133	2194.782	22: 6	
2.150	2195.507	22: 7	
2.167	2196.472	22: 8	
2.183	2197.438	22: 9	
2.200	2198.645	22:10	
2.217	2199.610	22:11	
2.233	2200.576	22:12	
2.250	2201.300	22:13	
2.267	2202.266	22:14	
2.283	2202.749	22:15	
2.300	2202.990	22:16	
2.317	2203.956	22:17	

SPERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE 4

A/S NORSKE SHELL
WILDCAT
31/2-2

OFFSHORE NORWAY
27 JUNE 1980
MRPG-584-NOR

COMPLETION TEST 1. OIL ZONE. GAUGE 0016 SENSING DEPTH 1563.5 M. R.K.B.

DELTA TIME	PRESSURE	TIME	DATE
2.333	2204.680	22:18	27- 6-80
2.350	2205.887	22:19	
2.367	2206.128	22:20	
2.383	2207.577	22:21	
2.400	2207.577	22:22	
2.417	2208.542	22:23	
2.433	2209.508	22:24	
2.450	2209.749	22:25	
2.467	2210.956	22:26	
2.483	2210.956	22:27	
2.500	2212.163	22:28	
2.517	2212.405	22:29	
2.533	2212.887	22:30	
2.550	2213.853	22:31	
2.567	2214.577	22:32	
2.583	2215.060	22:33	
2.600	2215.301	22:34	
2.617	2216.267	22:35	
2.633	2217.474	22:36	
2.650	2217.957	22:37	
2.667	2218.440	22:38	
2.683	2218.440	22:39	
2.700	2219.888	22:40	
2.717	2219.888	22:41	
2.733	2220.129	22:42	
2.750	2220.854	22:43	
2.767	2221.578	22:44	
2.783	2222.543	22:45	
2.800	2223.026	22:46	
2.817	2222.785	22:47	
2.833	2223.509	22:48	
2.850	2223.992	22:49	
2.867	2224.957	22:50	
2.883	2225.440	22:51	
2.900	2225.923	22:52	
2.917	2225.923	22:53	
2.933	2226.406	22:54	
2.950	2226.647	22:55	
2.967	2227.613	22:56	
2.983	2228.096	22:57	
3.000	2228.578	22:58	
3.017	2228.578	22:59	
3.033	2229.303	23: 0	
3.050	2229.544	23: 1	
3.067	2230.268	23: 2	
3.083	2230.027	23: 3	
3.100	2230.992	23: 4	

SPERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE 5

A/S NORSKE SHELL
WILDCAT
31/2-2

OFFSHORE NORWAY
27 JUNE 1980
MRPG-584-NOR

COMPLETION TEST 1. OIL ZONE. GAUGE 0016 SENSING DEPTH 1563.5 M. R.K.B.

DELTA TIME	PRESSURE	TIME	DATE
3.117	2230.992	23: 5	27- 6-80
3.133	2231.717	23: 6	
3.150	2231.958	23: 7	
3.167	2232.199	23: 8	
3.183	2232.441	23: 9	
3.200	2233.406	23:10	
3.217	2233.406	23:11	
3.233	2234.131	23:12	
3.250	2234.131	23:13	
3.267	2234.613	23:14	
3.283	2235.338	23:15	
3.300	2235.338	23:16	
3.317	2236.062	23:17	
3.333	2236.303	23:18	
3.350	2236.303	23:19	
3.367	2236.786	23:20	
3.383	2236.786	23:21	
3.400	2237.752	23:22	
3.417	2237.752	23:23	
3.433	2237.993	23:24	
3.450	2237.993	23:25	
3.467	2238.717	23:26	
3.483	2238.234	23:27	
3.500	2239.683	23:28	
3.517	2239.683	23:29	
3.533	2239.924	23:30	
3.550	2239.441	23:31	
3.567	2240.407	23:32	
3.583	2240.648	23:33	
3.600	2240.890	23:34	
3.617	2241.373	23:35	
3.633	2241.614	23:36	
3.650	2241.614	23:37	
3.667	2241.614	23:38	
3.683	2242.097	23:39	
3.700	2242.821	23:40	
3.717	2241.855	23:41	
3.733	2242.821	23:42	
3.750	2243.062	23:43	
3.767	2243.062	23:44	
3.783	2243.545	23:45	
3.800	2244.269	23:46	
3.817	2244.269	23:47	
3.833	2244.028	23:48	
3.850	2244.511	23:49	
3.867	2244.269	23:50	
3.883	2244.994	23:51	

SPERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

A/S NORSKE SHELL
WILDCAT
31/2-2

OFFSHORE NORWAY
27 JUNE 1980
MRPG-584-NOR

COMPLETION TEST 1. OIL ZONE. GAUGE 0016 SENSING DEPTH 1563.5 M. R.K.B.

DELTA TIME	PRESSURE	TIME	DATE
3.900	2244.994	23:52	27- 6-80
3.917	2245.476	23:53	
3.933	2245.476	23:54	
3.950	2245.718	23:55	
3.967	2245.718	23:56	
3.983	2245.959	23:57	
4.000	2245.718	23:58	
4.017	2245.476	23:59	
4.033	2245.959	0: 0	28- 6-80
4.050	2246.683	0: 1	
4.067	2246.925	0: 2	
4.083	2246.683	0: 3	
4.100	2246.925	0: 4	
4.117	2247.408	0: 5	
4.133	2247.408	0: 6	
4.150	2247.408	0: 7	
4.167	2247.890	0: 8	
4.183	2247.408	0: 9	
4.200	2248.373	0:10	
4.217	2248.615	0:11	
4.233	2248.615	0:12	
4.250	2249.097	0:13	
4.267	2248.615	0:14	
4.283	2249.097	0:15	
4.300	2249.339	0:16	
4.317	2248.373	0:17	
4.333	2249.339	0:18	
4.350	2248.956	0:19	
4.367	2249.097	0:20	
4.383	2249.097	0:21	
4.400	2249.580	0:22	
4.417	2249.580	0:23	
4.433	2249.822	0:24	
4.450	2250.787	0:25	
4.467	2250.787	0:26	
4.483	2250.546	0:27	
4.500	2250.063	0:28	
4.517	2250.546	0:29	
4.533	2250.063	0:30	
4.550	2250.546	0:31	
4.567	2251.029	0:32	
4.583	2251.270	0:33	
4.600	2251.029	0:34	
4.617	2251.029	0:35	
4.633	2251.511	0:36	
4.650	2251.994	0:37	
4.667	2252.236	0:38	

SPERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE 7

A/S NORSKE SHELL
WILDCAT
31/2-2

OFFSHORE NORWAY
27 JUNE 1980
MRPG-584-NOR

COMPLETION TEST 1. OIL ZONE. GAUGE 0016 SENSING DEPTH 1563.5 M. R.K.B.

DELTA TIME	PRESSURE	TIME	DATE
4.683	2251.753	0:39	28- 6-80
4.700	2251.270	0:40	
4.717	2251.753	0:41	
4.733	2251.270	0:42	
4.750	2251.994	0:43	
4.767	2252.718	0:44	
4.783	2252.477	0:45	
4.800	2251.753	0:46	
4.817	2253.201	0:47	
4.833	2252.477	0:48	
4.850	2252.477	0:49	
4.867	2253.201	0:50	
4.883	2252.718	0:51	
4.900	2253.443	0:52	
4.917	2252.960	0:53	
4.933	2252.960	0:54	
4.950	2254.167	0:55	
4.967	2252.236	0:56	
4.983	2253.201	0:57	
5.000	2253.684	0:58	
5.017	2253.201	0:59	
5.033	2254.167	1: 0	
5.050	2253.443	1: 1	
5.067	2253.925	1: 2	
5.083	2252.960	1: 3	
5.100	2253.925	1: 4	
5.117	2254.408	1: 5	
5.133	2254.650	1: 6	
5.150	2253.684	1: 7	
5.167	2253.684	1: 8	
5.183	2253.684	1: 9	
5.200	2254.167	1:10	
5.217	2254.167	1:11	
5.233	2254.408	1:12	
5.250	2255.374	1:13	
5.267	2254.408	1:14	
5.283	2254.408	1:15	
5.300	2254.891	1:16	
5.317	2254.891	1:17	
5.333	2254.650	1:18	
5.350	2253.443	1:19	
5.367	2255.374	1:20	
5.383	2255.374	1:21	
5.400	2255.857	1:22	
5.417	2254.650	1:23	
5.433	2254.891	1:24	
5.450	2255.374	1:25	

SPERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE 8

A/S NORSKE SHELL
WILDCAT
31/2-2

OFFSHORE NORWAY
27 JUNE 1980
MRPG-584-NOR

COMPLETION TEST 1. OIL ZONE. GAUGE 0016 SENSING DEPTH 1563.5 M. R.K.B.

DELTA TIME	PRESSURE	TIME	DATE
5.467	2254.650	1:26	28- 6-80
5.483	2255.374	1:27	
5.500	2254.408	1:28	
5.517	2255.132	1:29	
5.533	2254.891	1:30	
5.550	2255.857	1:31	
5.567	2254.891	1:32	
5.583	2255.615	1:33	
5.600	2255.132	1:34	
5.617	2255.132	1:35	
5.633	2254.650	1:36	
5.650	2255.374	1:37	
5.667	2255.615	1:38	
5.683	2255.857	1:39	
5.700	2255.615	1:40	
5.717	2256.098	1:41	
5.733	2255.615	1:42	
5.750	2255.857	1:43	
5.767	2255.857	1:44	
5.783	2255.615	1:45	
5.800	2255.615	1:46	
5.817	2255.374	1:47	
5.833	2256.098	1:48	
5.850	2256.581	1:49	
5.867	2256.339	1:50	
5.883	2256.339	1:51	
5.900	2256.098	1:52	
5.917	2255.857	1:53	
5.933	2255.857	1:54	
5.950	2256.339	1:55	
5.967	2256.581	1:56	
5.983	2255.857	1:57	
6.000	2257.064	1:58	
6.017	2256.098	1:59	
6.033	2256.822	2: 0	
6.050	2256.098	2: 1	
6.067	2256.098	2: 2	
6.083	2255.857	2: 3	
6.100	2256.098	2: 4	
6.117	2256.339	2: 5	
6.133	2256.339	2: 6	
6.150	2255.615	2: 7	
6.167	2256.339	2: 8	
6.183	2256.339	2: 9	
6.200	2256.098	2:10	
6.217	2256.581	2:11	
6.233	2256.581	2:12	

SPERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE 9

A/S NORSKE SHELL
WILDCAT
31/2-2

OFFSHORE NORWAY
27 JUNE 1980
MRPG-584-NOR

COMPLETION TEST 1. OIL ZONE. GAUGE 0016 SENSING DEPTH 1563.5 M. R.K.B.

DELTA TIME	PRESSURE	TIME	DATE
6.250	2256.581	2:13	28- 6-80
6.267	2256.339	2:14	
6.283	2256.822	2:15	
6.300	2257.546	2:16	
6.317	2256.339	2:17	
6.333	2256.581	2:18	
6.350	2256.098	2:19	
6.367	2256.822	2:20	
6.383	2256.339	2:21	
6.400	2257.064	2:22	
6.417	2257.064	2:23	
6.433	2256.822	2:24	
6.450	2256.339	2:25	
6.467	2255.857	2:26	
6.483	2256.339	2:27	
6.500	2256.339	2:28	
6.517	2256.581	2:29	
6.533	2256.581	2:30	
6.550	2257.305	2:31	
6.567	2257.546	2:32	
6.583	2257.546	2:33	
6.600	2256.822	2:34	
6.617	2257.305	2:35	
6.633	2256.581	2:36	
6.650	2257.064	2:37	
6.667	2257.546	2:38	
6.683	2257.788	2:39	
6.700	2257.064	2:40	
6.717	2256.822	2:41	
6.733	2257.305	2:42	
6.750	2257.305	2:43	
6.767	2257.064	2:44	
6.783	2257.788	2:45	
6.800	2257.305	2:46	
6.817	2257.064	2:47	
6.833	2257.305	2:48	
6.850	2257.305	2:49	
6.867	2257.305	2:50	
6.883	2258.271	2:51	
6.900	2257.546	2:52	
6.917	2257.064	2:53	
6.933	2256.822	2:54	
6.950	2257.305	2:55	
6.967	2257.064	2:56	
6.983	2257.788	2:57	
7.000	2257.305	2:58	
7.017	2257.788	2:59	

SPERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE 10

A/S NORSKE SHELL
WILDCAT
31/2-2

OFFSHORE NORWAY
27 JUNE 1980
MRPG-584-NOR

COMPLETION TEST 1. OIL ZONE. GAUGE 0016 SENSING DEPTH 1563.5 M. R.K.B.

DELTA TIME	PRESSURE	TIME	DATE
7.033	2257.546	3: 0	28- 6-80
7.050	2257.305	3: 1	
7.067	2257.546	3: 2	
7.083	2257.546	3: 3	
7.100	2257.546	3: 4	
7.117	2257.788	3: 5	
7.133	2257.305	3: 6	
7.150	2257.546	3: 7	
7.167	2257.546	3: 8	
7.183	2257.064	3: 9	
7.200	2257.305	3:10	
7.217	2257.305	3:11	
7.233	2257.546	3:12	
7.250	2258.271	3:13	
7.267	2258.512	3:14	
7.283	2257.305	3:15	
7.300	2256.581	3:16	
7.317	2258.029	3:17	
7.333	2258.029	3:18	
7.350	2258.271	3:19	
7.367	2257.546	3:20	
7.383	2257.305	3:21	
7.400	2257.788	3:22	
7.417	2257.305	3:23	
7.433	2257.305	3:24	
7.450	2258.271	3:25	
7.467	2257.546	3:26	
7.483	2258.512	3:27	
7.500	2259.236	3:28	
7.517	2257.788	3:29	
7.533	2257.546	3:30	
7.550	2258.029	3:31	
7.567	2258.029	3:32	
7.583	2257.064	3:33	
7.600	2257.788	3:34	
7.617	2258.753	3:35	
7.633	2257.546	3:36	
7.650	2258.029	3:37	
7.667	2257.546	3:38	
7.683	2258.512	3:39	
7.700	2258.029	3:40	
7.717	2257.546	3:41	
7.733	2258.029	3:42	
7.750	2258.271	3:43	
7.767	2257.788	3:44	
7.783	2258.271	3:45	
7.800	2258.029	3:46	

SPERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE 11

A/S NORSKE SHELL
WILDCAT
31/2-2

OFFSHORE NORWAY
27 JUNE 1980
MRPG-584-NOR

COMPLETION TEST 1. OIL ZONE. GAUGE 0016 SENSING DEPTH 1563.5 M. R.K.B.

DELTA TIME	PRESSURE	TIME	DATE
7.817	2257.788	3:47	28- 6-80
7.833	2257.546	3:48	
7.850	2258.271	3:49	
7.867	2257.788	3:50	
7.883	2258.753	3:51	
7.900	2258.271	3:52	
7.917	2258.753	3:53	
7.933	2258.271	3:54	
7.950	2257.305	3:55	
7.967	2258.271	3:56	
7.983	2258.512	3:57	
8.000	2257.788	3:58	
8.017	2257.788	3:59	
8.033	2257.788	4: 0	
8.050	2258.271	4: 1	
8.067	2258.512	4: 2	
8.083	2258.029	4: 3	
8.100	2258.029	4: 4	
8.117	2257.788	4: 5	
8.133	2258.512	4: 6	
8.150	2258.029	4: 7	
8.167	2258.271	4: 8	
8.183	2258.753	4: 9	
8.200	2258.512	4:10	
8.217	2258.271	4:11	
8.233	2258.029	4:12	
8.250	2258.753	4:13	
8.267	2258.029	4:14	
8.283	2258.271	4:15	
8.300	2258.271	4:16	
8.317	2258.029	4:17	
8.333	2257.788	4:18	
8.350	2258.029	4:19	
8.367	2257.788	4:20	
8.383	2258.271	4:21	
8.400	2258.271	4:22	
8.417	2257.305	4:23	
8.433	2257.546	4:24	
8.450	2258.271	4:25	
8.467	2258.029	4:26	
8.483	2257.788	4:27	
8.500	2258.029	4:28	
8.517	2257.305	4:29	
8.533	2258.271	4:30	
8.550	2257.788	4:31	
8.567	2258.753	4:32	
8.583	2257.546	4:33	

SPERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE 12

A/S NORSKE SHELL
WILDCAT
31/2-2

OFFSHORE NORWAY
27 JUNE 1980
MRPG-584-NOR

COMPLETION TEST 1. OIL ZONE. GAUGE 0016 SENSING DEPTH 1563.5 M. R.K.B.

DELTA TIME	PRESSURE	TIME	DATE
8.600	2258.029	4:34	28- 6-80
8.617	2258.029	4:35	
8.633	2258.512	4:36	
8.650	2258.512	4:37	
8.667	2258.029	4:38	
8.683	2258.512	4:39	
8.700	2257.788	4:40	
8.717	2258.029	4:41	
8.733	2258.753	4:42	
8.750	2258.271	4:43	
8.767	2258.029	4:44	
8.783	2257.788	4:45	
8.800	2258.512	4:46	
8.817	2258.512	4:47	
8.833	2257.788	4:48	
8.850	2258.029	4:49	
8.867	2258.029	4:50	
8.883	2258.029	4:51	
8.900	2258.029	4:52	
8.917	2258.271	4:53	
8.933	2257.788	4:54	
8.950	2258.029	4:55	
8.967	2258.029	4:56	
8.983	2258.512	4:57	
9.000	2258.271	4:58	
9.017	2258.029	4:59	
9.033	2258.271	5: 0	
9.050	2258.029	5: 1	
9.067	2258.029	5: 2	
9.083	2258.995	5: 3	
9.100	2258.753	5: 4	
9.117	2258.512	5: 5	
9.133	2258.271	5: 6	
9.150	2258.271	5: 7	
9.167	2258.029	5: 8	
9.183	2258.512	5: 9	
9.200	2258.029	5:10	
9.217	2258.512	5:11	
9.233	2257.788	5:12	
9.250	2258.029	5:13	
9.267	2258.271	5:14	
9.283	2258.271	5:15	
9.300	2258.029	5:16	
9.317	2258.512	5:17	
9.333	2258.512	5:18	
9.350	2258.271	5:19	
9.367	2258.271	5:20	

SPERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE 13

A/S NORSKE SHELL
WILDCAT
31/2-2

OFFSHORE NORWAY
27 JUNE 1980
MRPG-584-NOR

COMPLETION TEST 1. OIL ZONE. GAUGE 0016 SENSING DEPTH 1563.5 M. R.K.B.

DELTA TIME	PRESSURE	TIME	DATE
9.383	2258.512	5:21	28- 6-80
9.400	2258.512	5:22	
9.417	2258.512	5:23	
9.433	2258.995	5:24	
9.450	2258.512	5:25	
9.467	2258.029	5:26	
9.483	2258.512	5:27	
9.500	2258.512	5:28	
9.517	2258.512	5:29	
9.533	2258.271	5:30	
9.550	2258.512	5:31	
9.567	2258.753	5:32	
9.583	2258.753	5:33	
9.600	2258.512	5:34	
9.617	2258.995	5:35	
9.633	2258.512	5:36	
9.650	2258.753	5:37	
9.667	2259.478	5:38	
9.683	2258.995	5:39	
9.700	2258.271	5:40	
9.717	2258.512	5:41	
9.733	2258.995	5:42	
9.750	2258.995	5:43	
9.767	2258.512	5:44	
9.783	2258.995	5:45	
9.800	2259.236	5:46	
9.817	2259.236	5:47	
9.833	2258.995	5:48	
9.850	2258.512	5:49	
9.867	2259.236	5:50	
9.883	2259.236	5:51	
9.900	2259.236	5:52	
9.917	2258.753	5:53	
9.933	2259.478	5:54	
9.950	2259.478	5:55	
9.967	2259.478	5:56	
9.983	2259.719	5:57	
10.000	2259.236	5:58	
10.017	2259.478	5:59	
10.033	2258.995	6: 0	
10.050	2259.236	6: 1	
10.067	2258.753	6: 2	
10.083	2259.478	6: 3	
10.100	2259.478	6: 4	
10.117	2259.478	6: 5	
10.133	2259.236	6: 6	
10.150	2259.236	6: 7	

SPERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE 14

A/S NORSKE SHELL
WILDCAT
31/2-2

OFFSHORE NORWAY
27 JUNE 1980
MRPG-584-NOR

COMPLETION TEST 1. OIL ZONE. GAUGE 0016 SENSING DEPTH 1563.5 M. R.K.B.

DELTA TIME	PRESSURE	TIME	DATE
10.167	2259.236	6: 8	28- 6-80
10.183	2259.478	6: 9	
10.200	2258.995	6:10	
10.217	2258.995	6:11	
10.233	2259.236	6:12	
10.250	2259.960	6:13	
10.267	2259.478	6:14	
10.283	2211.198	6:15	SWAB VALVE OPENED 06:16
10.300	2213.370	6:16	
10.317	2216.750	6:17	
10.333	2219.888	6:18	
10.350	2223.992	6:19	
10.367	2227.371	6:20	
10.383	2230.268	6:21	
10.400	2233.649	6:22	
10.417	2235.579	6:23	
10.433	2236.786	6:24	
10.450	2258.234	6:25	
10.467	2240.407	6:26	
10.483	2241.131	6:27	
10.500	2242.097	6:28	
10.517	2243.062	6:29	
10.533	2244.511	6:30	
10.550	2244.994	6:31	
10.567	2246.201	6:32	
10.583	2247.166	6:33	
10.600	2248.615	6:34	
10.617	2248.132	6:35	GAUGE OFF BOTTOM 06:37