

Denne rapport
tilhører

 **STATOIL**

L&U DOK. SENTER

L. NR. 30284120008

KODE Well 31/2-6 Nr. 11

Returneres etter bruk

sperry-sun internati

Pressure Survey Report

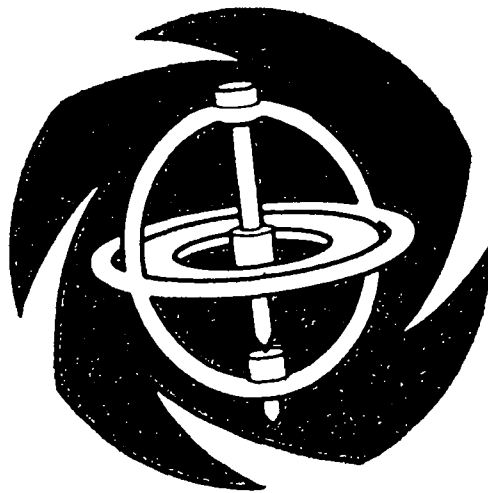
For

NORKSE SHELL A/S

WELL NO: 31/2 - 6

DATE : 24 SEPTEMBER 1981

TEST NO: 1 RUN NO. 2



(A Sperry-Sun Company)

Precision Instruments / Professional Service

SPERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

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NORSKE SHELL A/S
WILDCAT
31/2-6

OFFSHORE NORWAY
24 SEPTEMBER 1981
MRPG-990-NOR

TEST 1, RUN 2. GAUGE 0090, SENSING DEPTH 1569.7 M (INITIAL STATIC PERIOD)

DELTA TIME	PRESSURE	TIME	DATE	
0.000	2295.913	4: 8	24- 9-81	SEATED IN F NIPPLE AT 04:10
0.133	2289.847	4:16		
0.267	2289.847	4:24		
0.400	2289.558	4:32		
0.533	2289.558	4:40		
0.667	2289.269	4:48		
0.800	2289.558	4:56		END OF STATIC PERIOD

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OFFSHORE NORWAY
24 SEPTEMBER 1981
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TEST 1, RUN 2. GAUGE 0090, SENSING DEPTH 1569.7 M. (FLOW PERIOD)

DELTA TIME	PRESSURE	TIME	DATE	
0.000	2289.558	4:56	24- 9-81	WELL OPENED TO FLOW
0.133	2225.433	5: 4		AT 05:05 (SURFACE TIME)
0.267	2069.454	5:12		CHANGE TO 16/64" ADJ. CHOKE
0.400	2017.750	5:20		CHANGE TO 16/64" FIXED CHOKE
0.533	2014.284	5:28		CHANGE TO 18/64" FIXED CHOKE
0.667	2009.951	5:36		
0.800	2009.662	5:44		
0.933	2010.240	5:52		
1.067	2011.684	6: 0		
1.200	2010.818	6: 8		
1.333	2010.529	6:16		
1.467	2000.130	6:24		
1.600	2005.907	6:32		
1.733	2003.885	6:40		
1.867	2005.618	6:48		
2.000	2011.973	6:56		
2.133	2013.417	7: 4		
2.267	2013.706	7:12		
2.400	2013.995	7:20		
2.533	2012.840	7:28		
2.667	2014.862	7:36		
2.800	2014.862	7:44		
2.933	2014.573	7:52		
3.067	2014.573	8: 0		
3.200	2013.128	8: 8		
3.333	2011.395	8:16		
3.467	2009.373	8:24		
3.600	2007.640	8:32		
3.733	2007.351	8:40		
3.867	2009.373	8:48		
4.000	2007.063	8:56		
4.133	2006.196	9: 4		
4.267	2006.485	9:12		
4.400	2007.351	9:20		
4.533	2007.640	9:28		
4.667	2003.885	9:36		
4.800	2007.351	9:44		
4.933	2009.951	9:52		
5.067	2010.818	10: 0		
5.200	2009.085	10: 8		
5.333	2009.662	10:16		
5.467	2009.085	10:24		
5.600	2008.507	10:32		
5.733	2009.373	10:40		
5.867	2009.662	10:48		
6.000	2008.796	10:56		

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TEST 1, RUN 2. GAUGE 0090, SENSING DEPTH 1569.7 M. (FLOW PERIOD)

DELTA TIME	PRESSURE	TIME	DATE
6.133	2008.796	11: 4	24- 9-81
6.267	2008.218	11:12	
6.400	2009.065	11:20	
6.533	2009.373	11:28	
6.667	2009.373	11:36	
6.800	2009.662	11:44	
6.933	2009.951	11:52	
7.067	2010.240	12: 0	
7.200	2010.240	12: 8	
7.333	2008.218	12:16	
7.467	2008.218	12:24	
7.600	2011.106	12:32	
7.733	2012.262	12:40	
7.867	2011.973	12:48	
8.000	2011.684	12:56	
8.133	2011.973	13: 4	
8.267	2011.973	13:12	
8.400	2010.818	13:20	
8.533	2012.262	13:28	
8.667	2012.262	13:36	
8.800	2011.973	13:44	
8.933	2012.551	13:52	
9.067	2012.840	14: 0	
9.200	2012.551	14: 8	
9.333	2011.973	14:16	
9.467	2012.262	14:24	
9.600	2011.395	14:32	
9.733	2010.818	14:40	
9.867	2010.240	14:48	
10.000	2013.128	14:56	
10.133	2012.262	15: 4	
10.267	2012.551	15:12	
10.400	2012.840	15:20	
10.533	2012.551	15:28	
10.667	2011.395	15:36	
10.800	2012.840	15:44	
10.933	2012.840	15:52	
11.067	2013.995	16: 0	
11.200	2012.262	16: 8	
11.333	2014.284	16:16	
11.467	2013.706	16:24	
11.600	2013.128	16:32	
11.733	2011.395	16:40	
11.867	2014.284	16:48	
12.000	2013.995	16:56	
12.133	2013.417	17: 4	
12.267	2014.284	17:12	

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TEST 1, RUN 2. GAUGE 0090, SENSING DEPTH 1569.7 M. (FLOW PERIOD)

DELTA TIME	PRESSURE	TIME	DATE
12.400	2011.106	17:20	24- 9-81
12.533	2012.551	17:28	
12.667	2013.128	17:36	
12.800	2013.706	17:44	
12.933	2012.262	17:52	
13.067	2015.728	18: 0	
13.200	2015.728	18: 8	
13.333	2010.529	18:16	
13.467	2012.840	18:24	
13.600	2013.128	18:32	
13.733	2014.284	18:40	
13.867	2011.684	18:48	
14.000	2014.573	18:56	
14.133	2012.840	19: 4	
14.267	2012.551	19:12	
14.400	2013.128	19:20	
14.533	2013.417	19:28	
14.667	2012.262	19:36	
14.800	2012.551	19:44	
14.933	2013.417	19:52	
15.067	2014.862	20: 0	
15.200	2013.706	20: 8	
15.333	2012.840	20:16	
15.467	2010.818	20:24	
15.600	2013.128	20:32	
15.733	2013.706	20:40	
15.867	2014.573	20:48	
16.000	2014.284	20:56	
16.133	2014.284	21: 4	
16.267	2016.017	21:12	
16.400	2014.862	21:20	
16.533	2014.862	21:28	
16.667	2013.128	21:36	
16.800	2014.862	21:44	
16.933	2014.862	21:52	
17.067	2014.862	22: 0	
17.200	2014.862	22: 8	
17.333	2015.439	22:16	
17.467	2015.439	22:24	
17.600	2015.439	22:32	
17.733	2016.017	22:40	
17.867	2015.439	22:48	
18.000	2016.306	22:56	
18.133	2015.439	23: 4	
18.267	2015.439	23:12	
18.400	2014.284	23:20	
18.533	2014.573	23:28	

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TEST 1, RUN 2. GAUGE 0090, SENSING DEPTH 1569.7 M (BUILD-UP PERIOD)

DELTA TIME	PRESSURE	TIME	DATE	
0.000	2098.628	18:56	27- 9-81	WELL SHUT IN AT CHOKE MANIFOLD
0.133	2172.574	19: 4		
0.267	2241.320	19:12		
0.400	2261.828	19:20		
0.533	2271.071	19:28		
0.667	2271.360	19:36		
0.800	2271.938	19:44		
0.933	2274.538	19:52		
1.067	2274.827	20: 0		
1.200	2274.827	20: 8		
1.333	2274.538	20:16		
1.467	2274.827	20:24		
1.600	2274.538	20:32		
1.733	2274.538	20:40		
1.867	2274.827	20:48		
2.000	2274.827	20:56		END OF BUILD-UP PERIOD

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TEST 1, RUN 2. GAUGE 0090, SENSING DEPTH 1569.7 M. (FLOW PERIOD)

DELTA TIME	PRESSURE	TIME	DATE
18.667	2016.595	23:36	24- 9-81
18.800	2016.595	23:44	
18.933	2016.017	23:52	
19.067	2016.306	0: 0	25- 9-81
19.200	2016.883	0: 8	
19.333	2016.595	0:16	
19.467	2017.461	0:24	
19.600	2017.461	0:32	
19.733	2017.461	0:40	
19.867	2015.150	0:48	
20.000	2016.883	0:56	
20.133	2017.461	1: 4	
20.267	2018.039	1:12	
20.400	2018.617	1:20	
20.533	2018.905	1:28	
20.667	2020.350	1:36	
20.800	2019.772	1:44	
20.933	2020.639	1:52	
21.067	2019.772	2: 0	
21.200	2020.350	2: 8	
21.333	2019.772	2:16	
21.467	2020.061	2:24	
21.600	2018.905	2:32	
21.733	2018.905	2:40	
21.867	2019.772	2:48	
22.000	2020.639	2:56	
22.133	2020.927	3: 4	
22.267	2021.505	3:12	
22.400	2022.660	3:20	
22.533	2023.238	3:28	
22.667	2022.660	3:36	
22.800	2023.816	3:44	
22.933	2023.527	3:52	
23.067	2024.105	4: 0	
23.200	2023.816	4: 8	
23.333	2023.238	4:16	
23.467	2023.527	4:24	
23.600	2022.372	4:32	
23.733	2022.949	4:40	
23.867	2021.794	4:48	
24.000	2020.061	4:56	
24.133	2022.660	5: 4	
24.267	2023.527	5:12	
24.400	2023.238	5:20	
24.533	2023.816	5:28	
24.667	2024.394	5:36	
24.800	2024.105	5:44	

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TEST 1, RUN 2. GAUGE 0090, SENSING DEPTH 1569.7 M. (FLOW PERIOD)

DELTA TIME	PRESSURE	TIME	DATE
24.933	2023.527	5:52	25- 9-81
25.067	2023.816	6: 0	
25.200	2024.394	6: 8	
25.333	2024.971	6:16	
25.467	2024.394	6:24	
25.600	2024.971	6:32	
25.733	2025.260	6:40	
25.867	2025.260	6:48	
26.000	2024.971	6:56	
26.133	2025.549	7: 4	
26.267	2024.394	7:12	
26.400	2025.260	7:20	
26.533	2023.816	7:28	
26.667	2024.394	7:36	
26.800	2024.105	7:44	
26.933	2024.971	7:52	
27.067	2024.394	8: 0	
27.200	2025.260	8: 8	
27.333	2025.838	8:16	
27.467	2025.549	8:24	
27.600	2024.105	8:32	
27.733	2024.682	8:40	
27.867	2047.790	8:48	
28.000	2032.193	8:56	
28.133	2010.240	9: 4	
28.267	2007.351	9:12	
28.400	2007.929	9:20	
28.533	2004.174	9:28	
28.667	2005.618	9:36	
28.800	2005.907	9:44	
28.933	2005.329	9:52	
29.067	2005.618	10: 0	
29.200	2003.019	10: 8	
29.333	2004.174	10:16	
29.467	2005.907	10:24	
29.600	2005.618	10:32	
29.733	2002.730	10:40	
29.867	2003.308	10:48	
30.000	2002.730	10:56	
30.133	2001.574	11: 4	
30.267	2001.574	11:12	
30.400	2000.708	11:20	
30.533	2000.708	11:28	
30.667	2001.286	11:36	
30.800	2000.708	11:44	
30.933	1995.509	11:52	
31.067	1994.353	12: 0	

CHANGE TO 16/64" FIXED CHOKE
CHANGE TO 20/64" FIXED CHOKE

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TEST 1, RUN 2. GAUGE 0090, SENSING DEPTH 1569.7 M. (FLOW PERIOD)

DELTA TIME	PRESSURE	TIME	DATE
31.200	1994.642	12: 8	25- 9-81
31.333	1992.331	12:16	
31.467	1994.064	12:24	
31.600	1994.064	12:32	
31.733	1993.775	12:40	
31.867	1993.487	12:48	
32.000	1992.620	12:56	
32.133	1992.331	13: 4	
32.267	1992.620	13:12	
32.400	1992.909	13:20	
32.533	1992.042	13:28	
32.667	1992.042	13:36	
32.800	1991.754	13:44	
32.933	1992.042	13:52	
33.067	1992.331	14: 0	
33.200	1991.754	14: 8	
33.333	1991.754	14:16	
33.467	1991.754	14:24	
33.600	1991.176	14:32	
33.733	1991.465	14:40	
33.867	1991.176	14:48	
34.000	1990.309	14:56	
34.133	1990.020	15: 4	
34.267	1990.020	15:12	
34.400	1990.020	15:20	
34.533	1990.020	15:28	
34.667	1990.020	15:36	
34.800	1989.443	15:44	
34.933	1989.443	15:52	
35.067	1990.020	16: 0	
35.200	1990.309	16: 8	
35.333	1990.309	16:16	
35.467	1990.020	16:24	
35.600	1990.309	16:32	
35.733	1989.154	16:40	
35.867	1989.732	16:48	
36.000	1989.732	16:56	
36.133	1989.732	17: 4	
36.267	1990.309	17:12	
36.400	1990.598	17:20	
36.533	1990.598	17:28	
36.667	1990.309	17:36	
36.800	1990.309	17:44	
36.933	1990.020	17:52	
37.067	1990.598	18: 0	
37.200	1990.020	18: 8	
37.333	1990.020	18:16	

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TEST 1, RUN 2. GAUGE 0090, SENSING DEPTH 1569.7 M. (FLOW PERIOD)

DELTA TIME	PRESSURE	TIME	DATE
37.467	1990.020	18:24	25- 9-81
37.600	1989.732	18:32	
37.733	1989.732	18:40	
37.867	1989.732	18:48	
38.000	1989.732	18:56	
38.133	1989.443	19: 4	
38.267	1990.598	19:12	
38.400	1990.020	19:20	
38.533	1990.020	19:28	
38.667	1990.309	19:36	
38.800	1990.309	19:44	
38.933	1990.020	19:52	
39.067	1990.020	20: 0	
39.200	1990.309	20: 8	
39.333	1991.176	20:16	
39.467	1990.887	20:24	
39.600	1990.887	20:32	
39.733	1990.020	20:40	
39.867	1990.020	20:48	
40.000	1990.887	20:56	
40.133	1991.176	21: 4	
40.267	1991.176	21:12	
40.400	1990.309	21:20	
40.533	1991.754	21:28	
40.667	1990.887	21:36	
40.800	1991.465	21:44	
40.933	1991.754	21:52	
41.067	1992.331	22: 0	
41.200	1992.331	22: 8	
41.333	1992.042	22:16	
41.467	1992.331	22:24	
41.600	1992.331	22:32	
41.733	1992.042	22:40	
41.867	1992.331	22:48	
42.000	1991.754	22:56	
42.133	1992.042	23: 4	
42.267	1992.331	23:12	
42.400	1992.620	23:20	
42.533	1992.909	23:28	
42.667	1992.620	23:36	
42.800	1992.620	23:44	
42.933	1992.909	23:52	
43.067	1992.909	0: 0	26- 9-81
43.200	1992.620	0: 8	
43.333	1993.775	0:16	
43.467	1993.487	0:24	
43.600	1993.487	0:32	

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TEST 1, RUN 2. GAUGE 0090, SENSING DEPTH 1569.7 M. (FLOW PERIOD)

DELTA TIME	PRESSURE	TIME	DATE
43.733	1994.353	0:40	26- 9-81
43.867	1994.353	0:48	
44.000	1994.064	0:56	
44.133	1994.642	1: 4	
44.267	1994.064	1:12	
44.400	1994.931	1:20	
44.533	1995.220	1:28	
44.667	1994.642	1:36	
44.800	1995.220	1:44	
44.933	1995.509	1:52	
45.067	1994.064	2: 0	
45.200	1994.931	2: 8	
45.333	1997.242	2:16	
45.467	1995.797	2:24	
45.600	1994.642	2:32	
45.733	1994.064	2:40	
45.867	1994.064	2:48	
46.000	1994.642	2:56	
46.133	1994.353	3: 4	
46.267	1995.220	3:12	
46.400	1994.931	3:20	
46.533	1995.509	3:28	
46.667	1995.797	3:36	
46.800	1995.509	3:44	
46.933	1995.509	3:52	
47.067	1995.509	4: 0	
47.200	1995.797	4: 8	
47.333	1996.086	4:16	
47.467	1994.931	4:24	
47.600	1995.797	4:32	
47.733	1996.086	4:40	
47.867	1996.086	4:48	
48.000	1996.375	4:56	
48.133	1996.664	5: 4	
48.267	1995.220	5:12	
48.400	1995.509	5:20	
48.533	1995.797	5:28	
48.667	1995.220	5:36	
48.800	1996.086	5:44	
48.933	1996.086	5:52	
49.067	1996.086	6: 0	
49.200	1996.086	6: 8	
49.333	1995.797	6:16	
49.467	1996.953	6:24	
49.600	1996.086	6:32	
49.733	1995.797	6:40	
49.867	1996.375	6:48	

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TEST 1, RUN 2. GAUGE 0090, SENSING DEPTH 1569.7 M. (FLOW PERIOD)

DELTA TIME	PRESSURE	TIME	DATE
50.000	1995.797	6:56	26- 9-81
50.133	1996.375	7: 4	
50.267	1996.375	7:12	
50.400	1996.375	7:20	
50.533	1996.375	7:28	
50.667	1996.086	7:36	
50.800	1996.375	7:44	
50.933	1996.664	7:52	
51.067	1996.664	8: 0	
51.200	1996.375	8: 8	
51.333	1995.509	8:16	
51.467	1995.509	8:24	
51.600	1995.220	8:32	
51.733	1995.509	8:40	
51.867	1995.509	8:48	
52.000	1995.797	8:56	
52.133	1995.509	9: 4	
52.267	1996.375	9:12	
52.400	1996.664	9:20	
52.533	1996.953	9:28	
52.667	1996.375	9:36	
52.800	1996.086	9:44	
52.933	1993.775	9:52	
53.067	1996.375	10: 0	
53.200	1997.531	10: 8	
53.333	1998.108	10:16	
53.467	1996.953	10:24	
53.600	1996.375	10:32	
53.733	1996.086	10:40	
53.867	1996.953	10:48	
54.000	1996.375	10:56	
54.133	1997.819	11: 4	
54.267	2000.419	11:12	
54.400	1998.397	11:20	
54.533	1996.664	11:28	
54.667	1996.664	11:36	
54.800	1996.953	11:44	
54.933	1996.375	11:52	
55.067	1995.797	12: 0	
55.200	1996.664	12: 8	
55.333	1997.531	12:16	
55.467	1997.531	12:24	
55.600	1997.531	12:32	
55.733	1997.819	12:40	
55.867	1997.819	12:48	
56.000	1997.819	12:56	
56.133	1997.819	13: 4	

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TEST 1, RUN 2. GAUGE 0090, SENSING DEPTH 1569.7 M. (FLOW PERIOD)

DELTA TIME	PRESSURE	TIME	DATE
56.267	1997.531	13:12	26- 9-81
56.400	1997.531	13:20	
56.533	1998.108	13:28	
56.667	1998.108	13:36	
56.800	1998.397	13:44	
56.933	1997.819	13:52	
57.067	1996.953	14: 0	
57.200	1996.953	14: 8	
57.333	1998.108	14:16	
57.467	1998.108	14:24	
57.600	1997.819	14:32	
57.733	1998.686	14:40	
57.867	1998.397	14:48	
58.000	1998.108	14:56	
58.133	1997.819	15: 4	
58.267	1998.108	15:12	
58.400	1997.819	15:20	
58.533	1999.264	15:28	
58.667	1998.975	15:36	
58.800	1998.397	15:44	
58.933	1998.686	15:52	
59.067	1999.552	16: 0	
59.200	1999.552	16: 8	
59.333	1999.264	16:16	
59.467	1998.975	16:24	
59.600	2000.419	16:32	
59.733	2000.130	16:40	
59.867	2000.130	16:48	
60.000	1999.552	16:56	
60.133	1999.552	17: 4	
60.267	2000.130	17:12	
60.400	2000.708	17:20	
60.533	2000.708	17:28	
60.667	2000.708	17:36	
60.800	2000.419	17:44	
60.933	2000.708	17:52	
61.067	2000.708	18: 0	
61.200	2053.856	18: 8	
61.333	2065.121	18:16	
61.467	2064.255	18:24	
61.600	2063.099	18:32	
61.733	2060.789	18:40	
61.867	2060.789	18:48	
62.000	2059.922	18:56	
62.133	2058.767	19: 4	
62.267	2057.900	19:12	
62.400	2059.922	19:20	

CHANGE TO 16/64" FIXED CHOKE
CHANGE TO 18/64" FIXED CHOKE

NORSKE SHELL A/S
WILDCAT
31/2-6

OFFSHORE NORWAY
24 SEPTEMBER 1981
MRPG-990-NOR

TEST 1, RUN 2. GAUGE 0090, SENSING DEPTH 1569.7 M. (FLOW PERIOD)

DELTA TIME	PRESSURE	TIME	DATE
62.533	2060.789	19:28	26- 9-81
62.667	2061.366	19:36	
62.800	2062.233	19:44	
62.933	2061.944	19:52	
63.067	2060.500	20: 0	
63.200	2061.366	20: 8	
63.333	2059.922	20:16	
63.467	2060.500	20:24	
63.600	2060.789	20:32	
63.733	2060.500	20:40	
63.867	2060.211	20:48	
64.000	2060.789	20:56	
64.133	2061.078	21: 4	
64.267	2061.078	21:12	
64.400	2061.078	21:20	
64.533	2061.366	21:28	
64.667	2061.366	21:36	
64.800	2061.655	21:44	
64.933	2060.500	21:52	
65.067	2060.500	22: 0	
65.200	2060.211	22: 8	
65.333	2060.500	22:16	
65.467	2060.789	22:24	
65.600	2060.211	22:32	
65.733	2060.500	22:40	
65.867	2061.078	22:48	
66.000	2061.078	22:56	
66.133	2061.366	23: 4	
66.267	2061.366	23:12	
66.400	2061.655	23:20	
66.533	2061.078	23:28	
66.667	2060.500	23:36	
66.800	2058.478	23:44	
66.933	2059.633	23:52	
67.067	2059.633	0: 0	27- 9-81
67.200	2059.633	0: 8	
67.333	2059.344	0:16	
67.467	2059.922	0:24	
67.600	2059.922	0:32	
67.733	2060.500	0:40	
67.867	2061.366	0:48	
68.000	2060.500	0:56	
68.133	2061.078	1: 4	
68.267	2062.522	1:12	
68.400	2061.078	1:20	
68.533	2061.078	1:28	
68.667	2060.500	1:36	

NORSKE SHELL A/S
WILDCAT
31/2-6

OFFSHORE NORWAY
24 SEPTEMBER 1981
MRPG-990-NOR

TEST 1, RUN 2. GAUGE 0090, SENSING DEPTH 1569.7 M. (FLOW PERIOD)

DELTA TIME	PRESSURE	TIME	DATE
68.800	2060.211	1:44	27- 9-81
68.933	2059.922	1:52	
69.067	2059.922	2: 0	
69.200	2059.922	2: 8	
69.333	2060.500	2:16	
69.467	2061.078	2:24	
69.600	2060.500	2:32	
69.733	2060.789	2:40	
69.867	2060.500	2:48	
70.000	2060.211	2:56	
70.133	2059.922	3: 4	
70.267	2059.056	3:12	
70.400	2058.767	3:20	
70.533	2060.211	3:28	
70.667	2056.745	3:36	
70.800	2058.767	3:44	
70.933	2058.767	3:52	
71.067	2059.922	4: 0	
71.200	2059.056	4: 8	
71.333	2059.344	4:16	
71.467	2059.344	4:24	
71.600	2059.056	4:32	
71.733	2058.478	4:40	
71.867	2060.789	4:48	
72.000	2060.211	4:56	
72.133	2059.633	5: 4	
72.267	2059.633	5:12	
72.400	2059.056	5:20	
72.533	2059.056	5:28	
72.667	2059.056	5:36	
72.800	2059.056	5:44	
72.933	2058.767	5:52	
73.067	2059.056	6: 0	
73.200	2059.633	6: 8	
73.333	2059.922	6:16	
73.467	2060.211	6:24	
73.600	2059.344	6:32	
73.733	2058.478	6:40	
73.867	2059.056	6:48	
74.000	2059.056	6:56	
74.133	2060.789	7: 4	
74.267	2060.211	7:12	
74.400	2059.344	7:20	
74.533	2059.056	7:28	
74.667	2058.767	7:36	
74.800	2058.767	7:44	
74.933	2059.633	7:52	

NORSKE SHELL A/S
WILDCAT
31/2-6

OFFSHORE NORWAY
24 SEPTEMBER 1981
MRPG-990-NOR

TEST 1, RUN 2. GAUGE 0090, SENSING DEPTH 1569.7 M. (FLOW PERIOD)

DELTA TIME	PRESSURE	TIME	DATE
75.067	2059.344	8: 0	27- 9-81
75.200	2059.344	8: 8	
75.333	2059.922	8:16	
75.467	2059.633	8:24	
75.600	2060.211	8:32	
75.733	2059.922	8:40	
75.867	2059.633	8:48	
76.000	2059.344	8:56	
76.133	2059.633	9: 4	
76.267	2060.500	9:12	
76.400	2060.500	9:20	
76.533	2060.211	9:28	
76.667	2060.500	9:36	
76.800	2060.789	9:44	
76.933	2060.500	9:52	
77.067	2060.500	10: 0	
77.200	2060.789	10: 8	
77.333	2060.789	10:16	
77.467	2060.500	10:24	
77.600	2060.211	10:32	
77.733	2059.922	10:40	
77.867	2059.344	10:48	
78.000	2060.211	10:56	
78.133	2060.211	11: 4	
78.267	2060.789	11:12	
78.400	2060.500	11:20	
78.533	2060.500	11:28	
78.667	2077.253	11:36	
78.800	2090.540	11:44	
78.933	2095.162	11:52	
79.067	2095.162	12: 0	
79.200	2095.162	12: 8	
79.333	2094.873	12:16	
79.467	2094.006	12:24	
79.600	2094.584	12:32	
79.733	2095.162	12:40	
79.867	2094.873	12:48	
80.000	2094.584	12:56	
80.133	2094.006	13: 4	
80.267	2094.295	13:12	
80.400	2092.562	13:20	
80.533	2093.718	13:28	
80.667	2095.451	13:36	
80.800	2096.028	13:44	
80.933	2094.584	13:52	
81.067	2095.162	14: 0	
81.200	2100.939	14: 8	

CHANGE TO 16/64" FIXED CHOKE

SPERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

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NORSKE SHELL A/S
WILDCAT
31/2-6

OFFSHORE NORWAY
24 SEPTEMBER 1981
MRPG-990-NOR

TEST 1, RUN 2. GAUGE 0090, SENSING DEPTH 1569.7 M. (FLOW PERIOD)

DELTA TIME	PRESSURE	TIME	DATE
81.333	2101.805	14:16	27- 9-81
81.467	2100.361	14:24	
81.600	2098.628	14:32	
81.733	2100.361	14:40	
81.867	2099.783	14:48	
82.000	2097.761	14:56	
82.133	2099.206	15: 4	
82.267	2098.050	15:12	
82.400	2100.072	15:20	
82.533	2096.317	15:28	
82.667	2099.206	15:36	
82.800	2099.495	15:44	
82.933	2102.383	15:52	
83.067	2101.517	16: 0	
83.200	2100.072	16: 8	
83.333	2099.783	16:16	
83.467	2099.783	16:24	
83.600	2098.050	16:32	
83.733	2098.050	16:40	
83.867	2097.761	16:48	
84.000	2098.339	16:56	
84.133	2099.495	17: 4	
84.267	2100.072	17:12	
84.400	2098.917	17:20	
84.533	2095.162	17:28	
84.667	2097.184	17:36	
84.800	2097.761	17:44	
84.933	2099.783	17:52	
85.067	2099.495	18: 0	
85.200	2098.339	18: 8	
85.333	2097.184	18:16	
85.467	2098.050	18:24	
85.600	2098.917	18:32	
85.733	2096.606	18:40	
85.867	2096.317	18:48	
86.000	2098.628	18:56	

END OF FLOW PERIOD



PRESSURE TEST DATA SUMMARY

COMPANY: NORSKE SHELL A/S DATE: 24 SEPTEMBER 1981
 FIELD: WILDCAT WELL NO: 31/2-6 JOB NO: MRPG-990-NOR
 TEST TYPE: FLOW TEST NO: 1 RUN NO: 2 MAX B.H.T. 150 °F
 PERFORATION INTERVAL: 1576 M. - 1579 M. ZONE: OIL

	TOP	MIDDLE	BOTTOM
GAUGE TYPE/NO.	<u>SSDR FLOPETROL</u>	<u>MRPG/0090</u>	<u>AMERADA</u>
PRESSURE SENSING DEPTH		<u>1569.70 M.</u>	
ELEMENT SIZE		<u>6 K</u>	
TIME MODE		<u>8 MINS.</u>	
BATTERY TYPE		<u>MERCURY</u>	

EVENT	SURFACE TIMES & DATES		TEMP. °F
Gauge seated in 'F' nipple	04:10	24.9.81	147
Open well on 16/64" fixed choke	05:05	24.9.81	147
Change to 16/64" adj choke	05:15	24.9.81	147
Change to 16/64" fixed choke	05:18	24.9.81	147
Change to 18/64" fixed choke	05:26	24.9.81	147
Change to 16/64" fixed choke	08:42	25.9.81	151
Change to 20/64" fixed choke	08:50	25.9.81	151
Change to 16/64" fixed choke	18:04	26.9.81	150
Change to 18/64" fixed choke	18:10	26.9.81	150
Clocks retared 60 mins. on surface	02:30	27.9.81	150
Change to 16/64" fixed choke	10:30	27.9.81	150
Shut well in for build-up	18:00	27.9.81	151
End of build-up - p.o.o.h.	20:02	27.9.81	150

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

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



GRADIENT STOP SURVEY DATA

COMPANY: NORSKE SHELL A/S DATE: 24 SEPTEMBER 1981

FIELD: WILDCAT WELL NO: 31/2-6 JOB NO: RMPG-990-NOR

GAUGE TYPE/NO: MRPG/0090 TEST NO: 1 RUN NO: 2

INITIAL LUB. PRESSURE: _____ FINAL LUB. PRESSURE: _____

MEASURED DEPTH	VERTICAL DEPTH	PRESSURE (P.S.I.G.)	GRADIENT/FT. (P.S.I.G.)	TEMPERATURE °F
LUBRICATOR		540.571		
971 M		1596.029		
1271 M		1930.229		
1271 M		1984.821		
971 M		1720.235		
367 M		1290.137		
LUBRICATOR		1197.994		