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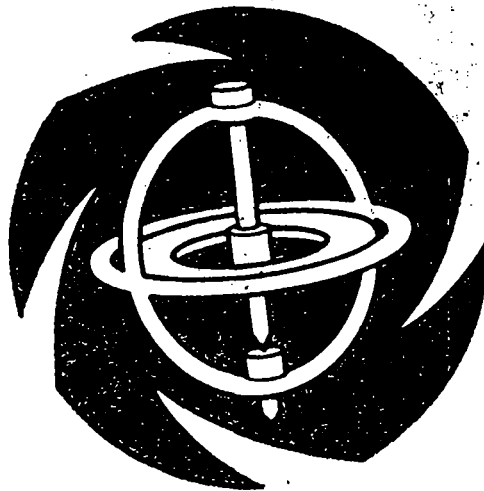
**Pressure Survey Report
For**

PHILLIPS PETROLEUM CO. NORWAY

WELL NO: 1/9 - 6

DATE: 14 October 1982

D.S.T. 3A



(A Sperry-Sun Company)

Precision Instruments / Professional Se

4/12/83

SPERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

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PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
1/9-6

OFFSHORE NORWAY
22 SEPTEMBER 1982
MRPG-1359-NOR

D.S.T. 2B, RUN 1. GAUGE 0116, SENSING DEPTH 11903.33 FT. (STATIC PERIOD)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TIME
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0.000	7135.615	20: 0	22/ 9/82 SET GAUGE IN "F" NIPPLE AT 20:00
0.033	7133.212	20: 2	
0.067	7132.611	20: 4	
0.100	7132.010	20: 6	
0.133	7133.812	20: 8	
0.167	7133.212	20:10	
0.200	7133.212	20:12	
0.233	7133.812	20:14	
0.267	7132.611	20:16	
0.300	7132.010	20:18	
0.333	7132.611	20:20	
0.367	7133.812	20:22	
0.400	7132.611	20:24	
0.433	7135.014	20:26	
0.467	7133.212	20:28	
0.500	7132.010	20:30	
0.533	7133.212	20:32	
0.567	7133.812	20:34	
0.600	7134.413	20:36	
0.633	7132.611	20:38	
0.667	7134.413	20:40	
0.700	7134.413	20:42	
0.733	7135.014	20:44	
0.767	7136.216	20:46	
0.800	7136.817	20:48	
0.833	7136.216	20:50	
0.867	7136.817	20:52	
0.900	7137.418	20:54	
0.933	7138.019	20:56	
0.967	7138.620	20:58	
1.000	7138.019	21: 0	
1.033	7138.620	21: 2	
1.067	7138.620	21: 4	
1.100	7138.620	21: 6	
1.133	7139.221	21: 8	
1.167	7141.024	21:10	
1.200	7139.221	21:12	
1.233	7139.221	21:14	
1.267	7139.822	21:16	
1.300	7139.822	21:18	
1.333	7140.423	21:20	
1.367	7139.822	21:22	
1.400	7139.221	21:24	
1.433	7138.620	21:26	
1.467	7139.822	21:28	
1.500	7139.221	21:30	
1.533	7139.822	21:32	
1.567	7139.822	21:34	
1.600	7138.620	21:36	
1.633	7139.822	21:38	

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OFFSHORE NORWAY
22 SEPTEMBER 1982
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D.S.T. 2B, RUN 1. GAUGE 0116, SENSING DEPTH 11903.33 FT. (STATIC PERIOD)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TIME	
1.700	7139.822	21:42	22/ 9/82
1.733	7141.024	21:44	END OF STATIC PERIOD

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D.S.T. 2B; RUN 1. GAUGE 0116; SENSING DEPTH 11903.33 FT. (INITIAL FLOW PERIOD)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TIME		
0.000	7141.024	21:44	22/ 9/82	OPEN TO FLOW ON 8/64"
0.033	7038.260	21:46		ADJ CHOKE AT 21:45
0.067	6774.438	21:48		INCREASE TO 24/64"
0.100	6410.255	21:50		ADJ CHOKE AT 21:49
0.133	6383.212	21:52		INCREASE TO 32/64"
0.167	6356.168	21:54		ADJ CHOKE AT 21:52
0.200	6257.611	21:56		
0.233	6165.063	21:58		
0.267	6132.010	22: 0		
0.300	6145.231	22: 2		
0.367	6118.789	22: 6		
0.400	6078.524	22: 8		
0.433	6050.279	22:10		
0.467	6019.630	22:12		
0.500	6001.601	22:14		
0.533	6035.255	22:16		
0.567	6038.861	22:18		
0.600	5978.078	22:20		
0.633	5852.022	22:22		
0.667	5836.341	22:24		END OF FLOW PERIOD

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D.S.T. 2B, RUN 1. GAUGE 0116, SENSING DEPTH 11903.33 FT. (INITIAL BUILD UP)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TIME		
0.000	5836.341	22:24	22/ 9/82	HYD. WING VALVE CLOSED
0.033	6284.053	22:26		DUE TO LEAK IN CHICKSAN
0.067	6463.139	22:28		AT 22:25
0.100	6549.678	22:30		SHUT IN CHOKE MANIFOLD
0.133	6606.168	22:32		AT 22:29
0.167	6647.635	22:34		
0.200	6680.087	22:36		
0.233	6710.736	22:38		
0.267	6736.577	22:40		
0.300	6755.207	22:42		
0.333	6775.639	22:44		
0.367	6788.260	22:46		
0.400	6800.279	22:48		END OF BUILD UP PERIOD

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D.S.T. 2B; RUN 1. GAUGE 0116; SENSING DEPTH 11903.33 FT. (SECOND FLOW PERIOD)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TIME	
0.000	6800.279	22:48	22/ 9/82 OPEN TO FLOW ON 32/64"
0.033	6389.822	22:50	ADJ CHOKE AT 22:48
0.067	6107.971	22:52	
0.100	6001.000	22:54	
0.133	5928.620	22:56	
0.167	5897.257	22:58	
0.200	5909.923	23: 0	
0.233	5897.257	23: 2	
0.267	5875.544	23: 4	
0.300	5899.067	23: 6	
0.333	5899.067	23: 8	
0.367	5900.876	23:10	
0.433	5906.908	23:14	
0.467	5893.035	23:16	
0.500	5887.004	23:18	
0.533	5889.417	23:20	
0.567	5885.798	23:22	
0.600	5870.116	23:24	
0.633	5875.544	23:26	
0.667	5876.751	23:28	
0.700	5868.910	23:30	
0.733	5856.847	23:32	
0.767	5823.072	23:34	
0.800	5796.534	23:36	
0.833	5771.202	23:38	
0.867	5753.108	23:40	
0.900	5739.839	23:42	
0.933	5731.998	23:44	
0.967	5718.729	23:46	
1.000	5712.095	23:48	
1.033	5702.444	23:50	
1.067	5686.160	23:52	
1.100	5682.541	23:54	
1.133	5682.541	23:56	
1.167	5683.747	23:58	
1.200	5676.510	0: 0	23/ 9/82
1.233	5670.478	0: 2	
1.267	5665.653	0: 4	
1.300	5657.812	0: 6	
1.333	5648.765	0: 8	
1.367	5641.528	0:10	
1.400	5633.084	0:12	
1.433	5624.640	0:14	
1.467	5616.799	0:16	
1.500	5610.165	0:18	
1.533	5604.133	0:20	
1.567	5595.086	0:22	
1.600	5586.039	0:24	
1.633	5578.802	0:26	
1.667	5574.580	0:28	

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D.S.T. 2B, RUN 1. GAUGE 0116, SENSING DEPTH 11903.33 FT. (SECOND FLOW PERIOD)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TIME	
1.700	5566.136	0:30	23/ 9/82 DIRECT THROUGH SEPERATOR
1.733	5561.311	0:32	AT 00:30
1.767	5555.882	0:34	
1.800	5546.835	0:36	
1.833	5541.407	0:38	BY-PASS SEPERATOR
1.867	5535.979	0:40	AT 00:38
1.900	5529.344	0:42	
1.933	5519.694	0:44	
1.967	5626.449	0:46	CHANGE TO 16/64" FIXED
2.000	5792.915	0:48	CHOKER AT 00:45
2.033	5868.910	0:50	
2.067	5912.939	0:52	
2.100	5950.333	0:54	
2.133	5979.887	0:56	
2.167	6004.606	0:58	
2.200	6025.039	1: 0	
2.233	6048.476	1: 2	
2.300	6082.130	1: 6	
2.333	6100.760	1: 8	
2.367	6116.385	1:10	
2.400	6129.606	1:12	
2.433	6143.428	1:14	
2.467	6154.245	1:16	
2.500	6165.664	1:18	
2.533	6175.880	1:20	
2.567	6184.894	1:22	
2.600	6197.514	1:24	
2.633	6208.933	1:26	
2.667	6214.341	1:28	
2.700	6225.760	1:30	DIRECT THROUGH SEPERATOR
2.733	6232.370	1:32	AT 01:30
2.767	6243.188	1:34	
2.800	6249.197	1:36	
2.833	6258.813	1:38	
2.867	6264.822	1:40	
2.900	6274.438	1:42	
2.933	6279.245	1:44	
2.967	6284.654	1:46	
3.000	6297.274	1:48	
3.033	6301.481	1:50	
3.067	6306.289	1:52	
3.100	6311.697	1:54	
3.133	6318.909	1:56	
3.167	6323.115	1:58	
3.200	6327.923	2: 0	
3.233	6333.933	2: 2	
3.267	6338.139	2: 4	
3.300	6345.952	2: 6	
3.333	6348.356	2: 8	
3.367	6353.164	2:10	

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OFFSHORE NORWAY
22 SEPTEMBER 1982
MRPG-1359-NOR

D.S.T. 2B, RUN 1. GAUGE 0116, SENSING DEPTH 11903.33 FT. (SECOND FLOW PERIOD)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TIME	
3.400	6359.774	2:12	23/ 9/82
3.433	6362.178	2:14	
3.467	6366.385	2:16	
3.500	6372.394	2:18	
3.533	6374.798	2:20	
3.567	6378.404	2:22	
3.600	6386.216	2:24	
3.633	6388.019	2:26	
3.667	6389.221	2:28	
3.700	6393.428	2:30	
3.733	6401.841	2:32	
3.767	6403.043	2:34	
3.800	6403.644	2:36	
3.833	6407.250	2:38	
3.867	6410.255	2:40	
3.900	6413.260	2:42	
3.933	6415.063	2:44	
3.967	6424.678	2:46	
4.000	6425.880	2:48	
4.033	6425.880	2:50	
4.067	6428.284	2:52	
4.100	6430.688	2:54	
4.133	6434.894	2:56	
4.167	6436.697	2:58	
4.200	6437.298	3: 0	
4.233	6439.702	3: 2	
4.267	6447.514	3: 4	
4.300	6448.716	3: 6	
4.333	6449.918	3: 8	
4.367	6451.721	3:10	
4.400	6454.125	3:12	
4.433	6455.327	3:14	
4.467	6455.928	3:16	
4.500	6460.736	3:18	
4.533	6462.539	3:20	
4.567	6463.139	3:22	
4.600	6464.942	3:24	
4.633	6466.745	3:26	
4.667	6467.346	3:28	
4.700	6475.760	3:30	
4.733	6475.159	3:32	
4.767	6475.760	3:34	
4.800	6478.163	3:36	
4.833	6479.365	3:38	
4.867	6480.567	3:40	
4.900	6481.168	3:42	
4.933	6484.173	3:44	
4.967	6484.173	3:46	
5.000	6484.173	3:48	
5.033	6488.380	3:50	

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OFFSHORE NORWAY
22 SEPTEMBER 1982
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D.S.T. 2B; RUN 1. GAUGE 0116; SENSING DEPTH 11903.33 FT. (SECOND FLOW PERIOD)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TIME	
5.067	6488.380	3:52	23/ 9/82
5.100	6488.380	3:54	
5.133	6496.192	3:56	
5.167	6496.793	3:58	
5.200	6496.192	4: 0	
5.233	6498.596	4: 2	
5.267	6499.798	4: 4	
5.300	6501.000	4: 6	
5.333	6501.601	4: 8	
5.367	6502.803	4:10	
5.400	6504.005	4:12	
5.433	6505.808	4:14	
5.467	6505.808	4:16	
5.500	6506.409	4:18	
5.533	6507.611	4:20	
5.567	6508.212	4:22	
5.600	6509.413	4:24	
5.633	6510.014	4:26	
5.700	6512.418	4:30	
5.733	6513.019	4:32	
5.767	6514.221	4:34	
5.800	6516.024	4:36	
5.833	6522.034	4:38	
5.867	6520.231	4:40	
5.900	6523.236	4:42	
5.933	6523.837	4:44	
5.967	6523.236	4:46	
6.000	6525.038	4:48	
6.033	6525.639	4:50	
6.067	6525.639	4:52	
6.100	6526.240	4:54	
6.133	6527.442	4:56	
6.167	6528.644	4:58	
6.200	6529.245	5: 0	
6.233	6529.846	5: 2	
6.267	6531.048	5: 4	
6.300	6531.048	5: 6	
6.333	6532.250	5: 8	
6.367	6533.452	5:10	
6.400	6533.452	5:12	
6.433	6534.053	5:14	
6.467	6534.053	5:16	
6.500	6535.255	5:18	
6.533	6537.659	5:20	
6.567	6537.659	5:22	
6.600	6537.659	5:24	
6.633	6537.058	5:26	
6.667	6538.861	5:28	
6.700	6540.063	5:30	
6.733	6541.264	5:32	

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PHILLIPS PETROLEUM CO NORWAY
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OFFSHORE NORWAY
22 SEPTEMBER 1982
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D.S.T. 2B; RUN 1. GAUGE 0116; SENSING DEPTH 11903.33 FT. (SECOND FLOW PERIOD)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TIME	
6.767	6540.663	5:34	23/ 9/82
6.800	6541.865	5:36	
6.833	6541.264	5:38	
6.867	6541.865	5:40	
6.900	6542.466	5:42	
6.933	6543.668	5:44	
6.967	6548.476	5:46	
7.000	6547.875	5:48	
7.033	6549.077	5:50	
7.067	6549.077	5:52	
7.100	6549.077	5:54	
7.133	6549.077	5:56	
7.167	6550.880	5:58	
7.200	6550.880	6: 0	
7.233	6551.481	6: 2	
7.267	6552.082	6: 4	
7.300	6552.082	6: 6	
7.333	6552.082	6: 8	
7.367	6553.885	6:10	
7.400	6552.683	6:12	
7.433	6552.683	6:14	
7.467	6552.683	6:16	
7.533	6555.087	6:20	
7.567	6554.486	6:22	
7.600	6555.688	6:24	
7.633	6555.688	6:26	
7.667	6557.490	6:28	
7.700	6556.889	6:30	
7.733	6558.091	6:32	
7.767	6556.288	6:34	
7.800	6556.889	6:36	
7.833	6558.091	6:38	
7.867	6559.293	6:40	
7.900	6558.692	6:42	
7.933	6558.091	6:44	
7.967	6559.894	6:46	
8.000	6560.495	6:48	
8.033	6559.894	6:50	
8.067	6560.495	6:52	
8.100	6561.096	6:54	
8.133	6559.894	6:56	
8.167	6561.096	6:58	
8.200	6560.495	7: 0	
8.233	6561.096	7: 2	
8.267	6561.096	7: 4	
8.300	6562.899	7: 6	
8.333	6562.298	7: 8	
8.367	6561.697	7:10	
8.400	6562.899	7:12	
8.433	6563.500	7:14	

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22 SEPTEMBER 1982
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D.S.T. 2B, RUN 1. GAUGE 0116, SENSING DEPTH 11903.33 FT. (SECOND FLOW PERIOD)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TIME	
8.467	6563.500	7:16	23/ 9/82
8.500	6564.101	7:18	
8.533	6564.101	7:20	
8.567	6563.500	7:22	
8.600	6564.702	7:24	
8.633	6566.505	7:26	
8.667	6565.303	7:28	
8.700	6564.101	7:30	
8.733	6564.702	7:32	
8.767	6565.904	7:34	
8.800	6566.505	7:36	
8.833	6565.303	7:38	
8.867	6567.106	7:40	
8.900	6566.505	7:42	
8.933	6567.707	7:44	
8.967	6568.308	7:46	
9.000	6568.909	7:48	
9.033	6567.106	7:50	
9.067	6567.707	7:52	
9.100	6568.308	7:54	
9.133	6566.505	7:56	
9.167	6568.909	7:58	
9.200	6570.111	8: 0	
9.233	6567.707	8: 2	
9.267	6570.111	8: 4	
9.300	6571.313	8: 6	
9.333	6569.510	8: 8	
9.367	6570.712	8:10	
9.400	6570.712	8:12	
9.433	6570.111	8:14	
9.467	6569.510	8:16	
9.500	6570.712	8:18	
9.533	6571.913	8:20	
9.567	6570.712	8:22	
9.600	6571.913	8:24	
9.633	6571.313	8:26	
9.667	6570.712	8:28	
9.700	6571.313	8:30	
9.733	6571.913	8:32	
9.767	6571.913	8:34	
9.800	6571.313	8:36	
9.833	6572.514	8:38	
9.867	6572.514	8:40	
9.900	6573.115	8:42	
9.933	6572.514	8:44	
9.967	6572.514	8:46	
10.000	6573.115	8:48	
10.033	6573.115	8:50	
10.067	6573.115	8:52	
10.100	6573.716	8:54	

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PHILLIPS PETROLEUM CO NORWAY
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OFFSHORE NORWAY
22 SEPTEMBER 1982
MRPG-1359-NOR

D.S.T. 2B; RUN 1. GAUGE 0116; SENSING DEPTH 11903.33 FT. (SECOND FLOW PERIOD)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TIME	
10.133	6574.918	8:56	23/ 9/82
10.167	6573.115	8:58	
10.200	6573.716	9: 0	
10.233	6574.317	9: 2	
10.267	6574.317	9: 4	
10.300	6574.317	9: 6	
10.333	6573.716	9: 8	
10.367	6574.317	9:10	
10.400	6573.716	9:12	
10.433	6574.918	9:14	
10.467	6577.322	9:16	
10.500	6576.721	9:18	
10.533	6575.519	9:20	
10.567	6575.519	9:22	
10.600	6574.918	9:24	
10.633	6574.918	9:26	
10.667	6575.519	9:28	
10.700	6576.120	9:30	
10.733	6574.918	9:32	
10.767	6574.918	9:34	
10.800	6577.322	9:36	
10.833	6576.721	9:38	
10.867	6576.721	9:40	
10.900	6576.120	9:42	
10.933	6575.519	9:44	
10.967	6574.317	9:46	
11.000	6576.120	9:48	
11.033	6574.918	9:50	
11.067	6575.519	9:52	
11.100	6576.120	9:54	
11.133	6576.120	9:56	
11.167	6575.519	9:58	
11.200	6576.721	10: 0	
11.233	6577.322	10: 2	
11.267	6576.120	10: 4	
11.300	6574.918	10: 6	
11.333	6574.317	10: 8	
11.367	6575.519	10:10	
11.400	6576.120	10:12	
11.433	6576.721	10:14	
11.467	6576.721	10:16	
11.500	6575.519	10:18	
11.533	6575.519	10:20	
11.567	6578.524	10:22	
11.600	6577.322	10:24	
11.633	6576.120	10:26	
11.667	6576.721	10:28	
11.700	6575.519	10:30	
11.733	6575.519	10:32	
11.767	6576.120	10:34	

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MAGNETIC RECORDING PRESSURE GAUGE REPORT

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PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
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OFFSHORE NORWAY
22 SEPTEMBER 1982
MRPG-1359-NOR

D.S.T. 2B, RUN 1. GAUGE 0116, SENSING DEPTH 11903.33 FT. (SECOND FLOW PERIOD)

DELTA TIME GAUGE TIME
HOURS PRESSURE
 (PSI)

11.800	6577.322	10:36	23/ 9/82
11.833	6576.721	10:38	
11.867	6576.721	10:40	
11.900	6577.923	10:42	
11.933	6577.923	10:44	
11.967	6577.322	10:46	
12.000	6578.524	10:48	
12.033	6576.721	10:50	
12.067	6576.721	10:52	
12.100	6576.721	10:54	
12.133	6577.322	10:56	
12.167	6577.322	10:58	
12.200	6576.721	11: 0	
12.233	6577.322	11: 2	
12.267	6576.721	11: 4	
12.300	6577.322	11: 6	
12.333	6577.923	11: 8	
12.367	6577.322	11:10	
12.400	6575.519	11:12	
12.433	6576.120	11:14	
12.467	6577.322	11:16	
12.500	6576.721	11:18	
12.533	6373.596	11:20	
12.567	6239.582	11:22	
12.600	6238.380	11:24	
12.633	6433.091	11:26	
12.667	6385.014	11:28	
12.700	6180.087	11:30	
12.733	6091.745	11:32	
12.767	6025.639	11:34	
12.800	5981.696	11:36	
12.833	5984.109	11:38	
12.867	5972.046	11:40	
12.900	5955.158	11:42	
12.933	5935.255	11:44	
12.967	5917.161	11:46	
13.000	5897.860	11:48	
13.033	5883.385	11:50	
13.067	5868.307	11:52	
13.100	5853.832	11:54	
13.133	5839.356	11:56	
13.167	5823.675	11:58	
13.200	5809.803	12: 0	
13.233	5797.137	12: 2	
13.267	5784.471	12: 4	
13.300	5770.599	12: 6	
13.333	5756.727	12: 8	
13.367	5744.664	12:10	
13.400	5731.395	12:12	
13.433	5720.538	12:14	

CHANGE TO 32/64"
ADJ CHOKE AT 11:20

CHANGE TO 32/64"
FIXED CHOKE AT 11:26

CHANGE TO 32/64"
ADJ CHOKE AT 11:31

DECREASE TO 28/64"
ADJ CHOKE AT 11:37

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OFFSHORE NORWAY
22 SEPTEMBER 1982
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D.S.T. 2B, RUN 1. GAUGE 0116, SENSING DEPTH 11903.33 FT. (SECOND FLOW PERIOD)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TIME	
13.467	5707.873	12:16	23/ 9/82
13.500	5696.413	12:18	
13.533	5684.953	12:20	
13.567	5675.303	12:22	
13.600	5665.050	12:24	
13.633	5654.797	12:26	
13.667	5645.750	12:28	
13.700	5635.496	12:30	
13.733	5625.846	12:32	
13.767	5615.593	12:34	
13.800	5607.752	12:36	
13.833	5599.911	12:38	
13.867	5592.071	12:40	
13.900	5583.023	12:42	
13.933	5574.580	12:44	
13.967	5573.373	12:46	
14.000	5567.945	12:48	
14.033	5563.120	12:50	
14.067	5552.264	12:52	
14.100	5544.423	12:54	
14.133	5540.201	12:56	
14.167	5534.169	12:58	
14.200	5526.932	13: 0	
14.233	5519.091	13: 2	
14.267	5512.457	13: 4	
14.300	5505.822	13: 6	
14.333	5499.188	13: 8	
14.367	5495.569	13:10	
14.400	5488.934	13:12	
14.433	5482.903	13:14	
14.467	5475.062	13:16	
14.500	5468.428	13:18	
14.533	5459.984	13:20	
14.567	5455.762	13:22	
14.600	5454.556	13:24	
14.633	5449.730	13:26	
14.667	5443.699	13:28	
14.700	5443.096	13:30	
14.733	5437.668	13:32	
14.767	5433.446	13:34	
14.800	5428.018	13:36	
14.833	5425.002	13:38	
14.867	5419.574	13:40	
14.900	5414.749	13:42	
14.933	5409.320	13:44	
14.967	5403.892	13:46	
15.000	5398.464	13:48	
15.033	5393.639	13:50	
15.067	5389.417	13:52	
15.100	5385.798	13:54	

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MAGNETIC RECORDING PRESSURE GAUGE REPORT

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PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
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OFFSHORE NORWAY
22 SEPTEMBER 1982
MRPG-1359-NOR

D.S.T. 2B, RUN 1. GAUGE 0116, SENSING DEPTH 11903.33 FT. (SECOND FLOW PERIOD)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TIME	
15.133	5382.179	13:56	23/ 9/82
15.167	5377.354	13:58	
15.200	5372.529	14: 0	
15.233	5369.513	14: 2	
15.267	5365.291	14: 4	
15.300	5360.466	14: 6	
15.333	5354.435	14: 8	
15.367	5350.816	14:10	
15.400	5345.991	14:12	
15.433	5340.563	14:14	
15.467	5337.547	14:16	
15.500	5335.135	14:18	
15.533	5329.706	14:20	
15.567	5324.881	14:22	
15.600	5320.056	14:24	
15.633	5316.437	14:26	
15.667	5311.009	14:28	
15.700	5307.993	14:30	
15.733	5303.771	14:32	
15.767	5298.946	14:34	
15.800	5295.328	14:36	
15.833	5292.312	14:38	
15.867	5286.884	14:40	
15.900	5282.059	14:42	
15.933	5277.234	14:44	
15.967	5274.218	14:46	
16.000	5268.186	14:48	
16.033	5265.774	14:50	
16.067	5262.758	14:52	
16.100	5257.330	14:54	
16.133	5251.902	14:56	
16.167	5250.092	14:58	
16.200	5244.664	15: 0	
16.233	5242.252	15: 2	
16.267	5236.220	15: 4	
16.300	5231.998	15: 6	
16.333	5227.776	15: 8	
16.367	5223.554	15:10	
16.400	5220.539	15:12	
16.433	5216.920	15:14	
16.467	5212.698	15:16	
16.500	5210.285	15:18	
6.533	5205.460	15:20	
5.567	5201.842	15:22	
600	5200.032	15:24	
633	5195.810	15:26	
67	5191.588	15:28	
0	5187.969	15:30	
	5184.954	15:32	
	5180.732	15:34	

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PHILLIPS PETROLEUM CO NORWAY
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OFFSHORE NORWAY
22 SEPTEMBER 1982
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D.S.T. 2B, RUN 1. GAUGE 0116, SENSING DEPTH 11903.33 FT. (SECOND FLOW PERIOD)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TIME	
16.800	5177.716	15:36	23/ 9/82
16.833	5174.097	15:38	
16.867	5170.478	15:40	
16.900	5167.463	15:42	
16.933	5163.844	15:44	
16.967	5160.828	15:46	
17.000	5157.209	15:48	
17.033	5153.591	15:50	
17.067	5151.178	15:52	
17.100	5146.353	15:54	
17.133	5142.734	15:56	
17.167	5140.925	15:58	
17.200	5138.512	16: 0	
17.233	5134.893	16: 2	
17.267	5131.275	16: 4	
17.300	5128.862	16: 6	
17.333	5125.846	16: 8	
17.367	5122.831	16:10	
17.400	5119.815	16:12	
17.433	5116.196	16:14	
17.467	5111.371	16:16	
17.500	5109.562	16:18	
17.533	5106.546	16:20	
17.567	5102.324	16:22	
17.600	5100.515	16:24	
17.633	5096.293	16:26	
17.667	5092.674	16:28	
17.733	5087.849	16:32	
17.767	5084.230	16:34	

END OF FLOW PERIOD

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PHILLIPS PETROLEUM CO NORWAY
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OFFSHORE NORWAY
22 SEPTEMBER 1982
MRPG-1359-NOR

D.S.T. 2B; RUN 1. GAUGE 0116; SENSING DEPTH 11903.33 FT. (SECOND BUILD UP)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TIME	
0.000	5084.230	16:34	23/ 9/82 WELL SHUT IN AT CHOKE
0.033	5124.640	16:36	MANIFOLD AT 16:36
0.067	5295.328	16:38	
0.100	5371.926	16:40	
0.133	5417.161	16:42	
0.167	5450.937	16:44	
0.200	5481.697	16:46	
0.233	5509.441	16:48	
0.267	5532.963	16:50	
0.300	5556.485	16:52	
0.333	5576.992	16:54	
0.367	5596.896	16:56	
0.400	5612.577	16:58	
0.433	5628.862	17: 0	
0.467	5643.940	17: 2	
0.500	5660.225	17: 4	
0.533	5674.097	17: 6	
0.567	5688.572	17: 8	
0.600	5701.238	17:10	
0.633	5713.301	17:12	
0.667	5729.586	17:14	
0.700	5742.855	17:16	
0.733	5753.108	17:18	
0.767	5765.774	17:20	
0.800	5778.440	17:22	
0.833	5789.296	17:24	
0.867	5800.152	17:26	
0.900	5811.009	17:28	
0.933	5820.659	17:30	
0.967	5830.309	17:32	
1.000	5839.356	17:34	
1.033	5849.610	17:36	
1.067	5859.260	17:38	
1.100	5867.704	17:40	
1.133	5876.148	17:42	
1.167	5883.988	17:44	
1.200	5893.035	17:46	
1.233	5900.876	17:48	
1.267	5909.320	17:50	
1.300	5915.955	17:52	
1.333	5923.795	17:54	
1.367	5931.636	17:56	
1.400	5938.874	17:58	
1.433	5946.111	18: 0	
1.467	5954.555	18: 2	
1.500	5959.983	18: 4	
1.533	5968.427	18: 6	
1.567	5973.856	18: 8	
1.600	5981.696	18:10	
1.633	5988.331	18:12	

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PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
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OFFSHORE NORWAY
22 SEPTEMBER 1982
MRPG-1359-NOR

D.S.T. 2B, RUN 1. GAUGE 0116, SENSING DEPTH 11903.33 FT. (SECOND BUILD UP)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TIME	
1.667	5995.568	18:14	23/ 9/82
1.700	6001.601	18:16	
1.733	6007.611	18:18	
1.767	6013.019	18:20	
1.800	6022.635	18:22	
1.833	6028.043	18:24	
1.867	6034.654	18:26	
1.900	6039.462	18:28	
1.933	6046.072	18:30	
1.967	6050.880	18:32	
2.000	6058.091	18:34	
2.033	6062.298	18:36	
2.067	6068.308	18:38	
2.100	6072.514	18:40	
2.133	6078.524	18:42	
2.167	6082.731	18:44	
2.200	6089.341	18:46	
2.233	6093.548	18:48	
2.267	6099.558	18:50	
2.300	6102.563	18:52	
2.333	6109.173	18:54	
2.367	6114.582	18:56	
2.400	6119.389	18:58	
2.433	6122.995	19: 0	
2.467	6128.404	19: 2	
2.500	6131.409	19: 4	
2.533	6138.019	19: 6	
2.567	6141.625	19: 8	
2.600	6146.433	19:10	
2.633	6150.039	19:12	
2.667	6155.447	19:14	
2.700	6158.452	19:16	
2.733	6162.659	19:18	
2.767	6168.668	19:20	
2.800	6171.072	19:22	
2.833	6175.279	19:24	
2.867	6178.885	19:26	
2.900	6181.889	19:28	
2.933	6189.101	19:30	
2.967	6190.303	19:32	
3.000	6193.909	19:34	
3.033	6200.519	19:36	
3.067	6202.923	19:38	
3.100	6207.731	19:40	
3.133	6209.534	19:42	
3.167	6216.144	19:44	
3.200	6217.947	19:46	
3.233	6220.351	19:48	
3.267	6227.563	19:50	
3.300	6228.764	19:52	

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PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
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OFFSHORE NORWAY
22 SEPTEMBER 1982
MRPG-1359-NOR

D.S.T. 2B; RUN 1. GAUGE 0116; SENSING DEPTH 11903.33 FT. (SECOND BUILD UP)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TIME	
3.333	6232.971	19:54	23/ 9/82
3.367	6238.380	19:56	
3.400	6240.183	19:58	
3.433	6242.587	20: 0	
3.467	6245.591	20: 2	
3.500	6253.404	20: 4	
3.533	6255.207	20: 6	
3.567	6257.611	20: 8	
3.600	6260.615	20:10	
3.633	6263.620	20:12	
3.667	6267.226	20:14	
3.700	6272.635	20:16	
3.733	6275.039	20:18	
3.767	6278.043	20:20	
3.800	6281.649	20:22	
3.833	6284.053	20:24	
3.867	6286.457	20:26	
3.900	6290.063	20:28	
3.933	6296.072	20:30	
3.967	6297.274	20:32	
4.000	6300.279	20:34	
4.033	6302.082	20:36	
4.067	6305.688	20:38	
4.100	6308.692	20:40	
4.133	6315.303	20:42	
4.167	6315.303	20:44	
4.200	6318.909	20:46	
4.233	6321.313	20:48	
4.267	6323.716	20:50	
4.300	6325.519	20:52	
4.333	6329.125	20:54	
4.367	6331.529	20:56	
4.400	6333.933	20:58	
4.433	6341.144	21: 0	
4.467	6343.548	21: 2	
4.500	6344.750	21: 4	
4.533	6347.154	21: 6	
4.567	6349.558	21: 8	
4.600	6351.962	21:10	
4.633	6354.365	21:12	
4.667	6356.168	21:14	
4.700	6359.173	21:16	
4.733	6361.577	21:18	
4.767	6363.981	21:20	
4.800	6366.986	21:22	
4.833	6374.197	21:24	
4.867	6375.399	21:26	
4.900	6376.601	21:28	
4.933	6379.005	21:30	
4.967	6381.409	21:32	

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PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
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OFFSHORE NORWAY
22 SEPTEMBER 1982
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D.S.T. 2B, RUN 1. GAUGE 0116, SENSING DEPTH 11903.33 FT. (SECOND BUILD UP)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TIME	
5.000	6383.212	21:34	23/ 9/82
5.033	6385.014	21:36	
5.067	6386.817	21:38	
5.100	6389.822	21:40	
5.133	6391.625	21:42	
5.167	6394.630	21:44	
5.200	6400.039	21:46	
5.233	6401.841	21:48	
5.267	6402.442	21:50	
5.300	6404.245	21:52	
5.333	6407.851	21:54	
5.367	6408.452	21:56	
5.400	6410.856	21:58	
5.433	6412.058	22: 0	
5.467	6413.861	22: 2	
5.500	6416.264	22: 4	
5.533	6422.875	22: 6	
5.567	6424.077	22: 8	
5.600	6424.678	22:10	
5.633	6426.481	22:12	
5.667	6428.885	22:14	
5.700	6430.688	22:16	
5.733	6432.490	22:18	
5.767	6434.293	22:20	
5.800	6435.495	22:22	
5.833	6436.697	22:24	
5.867	6439.101	22:26	
5.900	6442.106	22:28	
5.933	6447.514	22:30	
5.967	6448.716	22:32	
6.000	6449.918	22:34	
6.033	6451.721	22:36	
6.067	6452.322	22:38	
6.100	6454.726	22:40	
6.133	6456.529	22:42	
6.167	6457.731	22:44	
6.200	6459.534	22:46	
6.233	6461.938	22:48	
6.267	6464.341	22:50	
6.300	6465.543	22:52	
6.333	6467.346	22:54	
6.367	6472.154	22:56	
6.400	6473.356	22:58	
6.433	6473.957	23: 0	
6.467	6476.361	23: 2	
6.500	6477.563	23: 4	
6.533	6478.764	23: 6	
6.567	6479.966	23: 8	
6.600	6481.769	23:10	
6.633	6484.774	23:12	

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PHILLIPS PETROLEUM CO NORWAY
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OFFSHORE NORWAY
22 SEPTEMBER 1982
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D.S.T. 2B, RUN 1. GAUGE 0116, SENSING DEPTH 11903.33 FT. (SECOND BUILD UP)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TIME	
6.667	6485.375	23:14	23/ 9/82
6.700	6490.183	23:16	
6.733	6491.385	23:18	
6.767	6492.587	23:20	
6.800	6493.788	23:22	
6.833	6494.990	23:24	
6.867	6497.394	23:26	
6.900	6497.995	23:28	
6.933	6499.197	23:30	
6.967	6501.000	23:32	
7.000	6507.010	23:34	
7.033	6507.010	23:36	
7.067	6508.212	23:38	
7.100	6509.413	23:40	
7.133	6511.216	23:42	
7.167	6513.019	23:44	
7.200	6514.822	23:46	
7.233	6516.625	23:48	
7.267	6517.226	23:50	
7.300	6517.827	23:52	
7.333	6522.034	23:54	
7.367	6523.236	23:56	
7.400	6525.038	23:58	
7.433	6526.240	0: 0	24/ 9/82
7.467	6528.043	0: 2	
7.500	6529.245	0: 4	
7.533	6529.846	0: 6	
7.567	6532.851	0: 8	
7.600	6535.255	0:10	
7.633	6535.856	0:12	
7.667	6535.255	0:14	
7.700	6537.659	0:16	
7.733	6541.264	0:18	
7.767	6541.264	0:20	
7.800	6542.466	0:22	
7.833	6544.269	0:24	
7.867	6544.870	0:26	
7.900	6547.875	0:28	
7.933	6549.678	0:30	
7.967	6551.481	0:32	
8.000	6552.683	0:34	
8.033	6552.683	0:36	
8.067	6554.486	0:38	
8.100	6556.288	0:40	
8.133	6557.490	0:42	
8.167	6562.298	0:44	
8.200	6562.298	0:46	
8.233	6563.500	0:48	
8.267	6563.500	0:50	
8.300	6564.702	0:52	

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D.S.T. 2B, RUN 1. GAUGE 0116, SENSING DEPTH 11903.33 FT. (SECOND BUILD UP)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TIME	
8.333	6567.106	0:54	24/ 9/82
8.367	6567.707	0:56	
8.400	6568.308	0:58	
8.433	6570.712	1: 0	
8.467	6574.918	1: 2	
8.500	6575.519	1: 4	
8.533	6576.120	1: 6	
8.567	6577.322	1: 8	
8.600	6577.923	1:10	
8.633	6579.125	1:12	
8.667	6580.327	1:14	
8.700	6583.332	1:16	
8.733	6582.731	1:18	
8.767	6586.938	1:20	
8.800	6586.938	1:22	
8.833	6588.740	1:24	
8.867	6589.341	1:26	
8.900	6591.144	1:28	
8.933	6592.346	1:30	
8.967	6591.745	1:32	
9.000	6592.947	1:34	
9.033	6594.750	1:36	
9.067	6597.154	1:38	
9.100	6597.755	1:40	
9.133	6598.356	1:42	
9.167	6599.558	1:44	
9.200	6600.760	1:46	
9.233	6601.962	1:48	
9.267	6606.769	1:50	
9.300	6607.971	1:52	
9.333	6607.971	1:54	
9.367	6607.370	1:56	
9.400	6609.774	1:58	
9.433	6610.976	2: 0	
9.467	6613.380	2: 2	
9.500	6613.380	2: 4	
9.533	6615.183	2: 6	
9.567	6615.183	2: 8	
9.600	6616.385	2:10	
9.633	6618.788	2:12	
9.667	6619.389	2:14	
9.700	6622.394	2:16	
9.733	6622.995	2:18	
9.767	6624.197	2:20	
9.800	6626.000	2:22	
9.833	6624.798	2:24	
9.867	6627.202	2:26	
9.900	6628.404	2:28	
9.933	6629.005	2:30	
9.967	6630.207	2:32	

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D.S.T. 2B, RUN 1. GAUGE 0116, SENSING DEPTH 11903.33 FT. (SECOND BUILD UP)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TIME	
10.000	6632.010	2:34	24/ 9/82
10.033	6633.212	2:36	
10.067	6633.212	2:38	
10.100	6633.813	2:40	
10.133	6635.615	2:42	
10.167	6636.216	2:44	
10.200	6637.418	2:46	
10.233	6638.620	2:48	
10.267	6639.822	2:50	
10.300	6640.423	2:52	
10.333	6641.625	2:54	
10.367	6643.428	2:56	
10.400	6644.630	2:58	
10.433	6644.630	3: 0	
10.467	6645.832	3: 2	
10.500	6647.635	3: 4	
10.533	6648.837	3: 6	
10.567	6652.442	3: 8	
10.600	6654.245	3:10	
10.633	6654.846	3:12	
10.667	6654.245	3:14	
10.700	6655.447	3:16	
10.733	6657.851	3:18	
10.767	6658.452	3:20	
10.800	6658.452	3:22	
10.833	6659.053	3:24	
10.867	6659.654	3:26	
10.900	6662.058	3:28	
10.933	6661.457	3:30	
10.967	6663.260	3:32	
11.000	6664.462	3:34	
11.033	6663.861	3:36	
11.067	6665.063	3:38	
11.100	6666.865	3:40	
11.133	6668.067	3:42	
11.167	6668.668	3:44	
11.200	6668.668	3:46	
11.233	6670.471	3:48	
11.267	6671.673	3:50	
11.300	6671.673	3:52	
11.333	6672.875	3:54	
11.367	6673.476	3:56	
11.400	6673.476	3:58	
11.433	6678.284	4: 0	
11.467	6680.087	4: 2	
11.500	6680.688	4: 4	
11.533	6680.688	4: 6	
11.567	6681.889	4: 8	
11.600	6681.889	4:10	
11.633	6683.692	4:12	

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D.S.T. 2B, RUN 1. GAUGE 0116, SENSING DEPTH 11903.33 FT. (SECOND BUILD UP)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TIME	
11.667	6683.692	4:14	24/ 9/82
11.700	6685.495	4:16	
11.733	6686.096	4:18	
11.767	6686.697	4:20	
11.800	6686.096	4:22	
11.833	6687.899	4:24	
11.867	6689.702	4:26	
11.900	6690.303	4:28	
11.933	6690.303	4:30	
11.967	6690.904	4:32	
12.000	6692.106	4:34	
12.033	6692.707	4:36	
12.067	6693.308	4:38	
12.100	6693.909	4:40	
12.133	6695.111	4:42	
12.167	6695.712	4:44	
12.200	6696.313	4:46	
12.233	6698.115	4:48	
12.267	6699.918	4:50	
12.300	6698.115	4:52	
12.333	6699.317	4:54	
12.367	6700.519	4:56	
12.400	6701.721	4:58	
12.433	6701.721	5: 0	
12.467	6702.923	5: 2	
12.500	6704.125	5: 4	
12.533	6708.933	5: 6	
12.567	6709.534	5: 8	
12.600	6710.135	5:10	
12.633	6712.538	5:12	
12.667	6711.337	5:14	
12.700	6711.938	5:16	
12.733	6712.538	5:18	
12.767	6713.139	5:20	
12.800	6714.341	5:22	
12.833	6715.543	5:24	
12.867	6715.543	5:26	
12.900	6715.543	5:28	
12.933	6716.144	5:30	
12.967	6717.346	5:32	
13.000	6719.750	5:34	
13.033	6718.548	5:36	
13.067	6718.548	5:38	
13.100	6720.351	5:40	
13.133	6720.952	5:42	
13.167	6721.553	5:44	
13.200	6722.154	5:46	
13.233	6722.755	5:48	
13.267	6723.356	5:50	
13.300	6722.755	5:52	

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D.S.T. 2B; RUN 1. GAUGE 0116; SENSING DEPTH 11903.33 FT. (SECOND BUILD UP)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TIME	
13.333	6724.558	5:54	24/ 9/82
13.367	6726.361	5:56	
13.400	6725.760	5:58	
13.433	6726.361	6: 0	
13.467	6727.563	6: 2	
13.500	6727.563	6: 4	
13.533	6728.163	6: 6	
13.567	6729.365	6: 8	
13.600	6729.966	6:10	
13.633	6730.567	6:12	
13.667	6730.567	6:14	
13.700	6731.168	6:16	
13.733	6734.173	6:18	
13.767	6734.173	6:20	
13.800	6734.173	6:22	
13.833	6735.976	6:24	
13.867	6736.577	6:26	
13.900	6736.577	6:28	
13.933	6737.779	6:30	
13.967	6738.380	6:32	
14.000	6738.981	6:34	
14.033	6738.981	6:36	
14.067	6739.582	6:38	
14.100	6741.986	6:40	
14.133	6741.986	6:42	
14.167	6742.587	6:44	
14.200	6743.188	6:46	
14.233	6743.788	6:48	
14.267	6743.788	6:50	
14.300	6744.990	6:52	
14.333	6746.793	6:54	
14.367	6746.793	6:56	
14.400	6751.601	6:58	
14.433	6751.601	7: 0	
14.467	6753.404	7: 2	
14.500	6753.404	7: 4	
14.533	6752.803	7: 6	
14.567	6753.404	7: 8	
14.600	6754.005	7:10	
14.633	6754.606	7:12	
14.667	6756.409	7:14	
14.700	6757.010	7:16	
14.733	6756.409	7:18	
14.767	6756.409	7:20	
14.800	6757.010	7:22	
14.833	6759.413	7:24	
14.867	6759.413	7:26	
14.900	6759.413	7:28	
14.933	6759.413	7:30	
14.967	6760.615	7:32	

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D.S.T. 2B; RUN 1. GAUGE 0116; SENSING DEPTH 11903.33 FT. (SECOND BUILD UP)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TIME	
15.000	6760.615	7:34	24/ 9/82
15.033	6761.817	7:36	
15.067	6762.418	7:38	
15.100	6763.019	7:40	
15.133	6763.019	7:42	
15.167	6763.019	7:44	
15.200	6764.221	7:46	
15.233	6765.423	7:48	
15.267	6765.423	7:50	
15.300	6765.423	7:52	
15.333	6766.625	7:54	
15.367	6766.024	7:56	
15.400	6769.029	7:58	
15.433	6769.630	8: 0	
15.467	6767.827	8: 2	
15.500	6769.630	8: 4	
15.533	6770.231	8: 6	
15.567	6770.231	8: 8	
15.600	6771.433	8:10	
15.633	6772.635	8:12	
15.667	6772.635	8:14	
15.700	6773.236	8:16	
15.733	6773.236	8:18	
15.767	6774.438	8:20	
15.800	6775.038	8:22	
15.833	6775.038	8:24	
15.867	6774.438	8:26	
15.900	6776.240	8:28	
15.933	6780.447	8:30	
15.967	6781.048	8:32	
16.000	6782.250	8:34	
16.033	6781.649	8:36	
16.067	6782.250	8:38	
16.100	6782.851	8:40	
16.133	6784.053	8:42	
16.167	6784.654	8:44	
16.200	6784.053	8:46	
16.233	6784.053	8:48	
16.267	6785.255	8:50	
16.300	6785.856	8:52	
16.333	6786.457	8:54	
16.367	6787.058	8:56	
16.400	6788.260	8:58	
16.433	6787.659	9: 0	
16.467	6787.058	9: 2	
16.500	6787.659	9: 4	
16.533	6789.462	9: 6	
16.567	6790.063	9: 8	
16.600	6790.063	9:10	
16.633	6790.063	9:12	

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D.S.T. 2B, RUN 1. GAUGE 0116, SENSING DEPTH 11903.33 FT. (SECOND BUILD UP)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TIME	
16.667	6791.264	9:14	24/ 9/82
16.700	6791.264	9:16	
16.733	6791.264	9:18	
16.767	6793.668	9:20	
16.800	6793.668	9:22	
16.833	6793.067	9:24	
16.867	6794.269	9:26	
16.900	6794.870	9:28	
16.933	6794.870	9:30	
16.967	6794.870	9:32	
17.000	6795.471	9:34	
17.033	6796.673	9:36	
17.067	6797.875	9:38	
17.100	6798.476	9:40	
17.133	6799.077	9:42	
17.167	6799.077	9:44	
17.200	6799.077	9:46	
17.233	6798.476	9:48	
17.267	6800.880	9:50	
17.300	6800.880	9:52	
17.333	6800.279	9:54	
17.367	6800.279	9:56	
17.400	6802.683	9:58	
17.433	6803.284	10: 0	
17.467	6803.885	10: 2	
17.500	6803.885	10: 4	
17.533	6804.486	10: 6	
17.567	6804.486	10: 8	
17.600	6804.486	10:10	
17.633	6805.087	10:12	
17.667	6806.288	10:14	
17.700	6806.889	10:16	
17.733	6806.288	10:18	
17.767	6808.091	10:20	
17.800	6808.692	10:22	
17.833	6808.692	10:24	
17.867	6809.293	10:26	
17.900	6809.293	10:28	
17.933	6814.702	10:30	
17.967	6814.702	10:32	
18.000	6815.303	10:34	
18.033	6816.505	10:36	
18.067	6816.505	10:38	
18.100	6816.505	10:40	
18.133	6817.106	10:42	
18.167	6817.707	10:44	
18.200	6817.707	10:46	
18.233	6818.909	10:48	
18.267	6818.909	10:50	
18.300	6818.308	10:52	

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D.S.T. 2B, RUN 1. GAUGE 0116, SENSING DEPTH 11903.33 FT. (SECOND BUILD UP)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TIME	
18.333	6819.510	10:54	24/ 9/82
18.367	6818.909	10:56	
18.400	6821.313	10:58	
18.433	6821.913	11: 0	
18.467	6820.111	11: 2	
18.500	6821.313	11: 4	
18.533	6821.913	11: 6	
18.567	6822.514	11: 8	
18.600	6823.115	11:10	
18.633	6823.716	11:12	
18.667	6824.918	11:14	
18.700	6824.317	11:16	
18.767	6825.519	11:20	
18.800	6826.721	11:22	
18.833	6826.120	11:24	
18.867	6825.519	11:26	
18.900	6826.120	11:28	
18.933	6827.322	11:30	
18.967	6828.524	11:32	
19.000	6827.923	11:34	
19.033	6828.524	11:36	
19.067	6829.125	11:38	
19.100	6828.524	11:40	
19.133	6829.726	11:42	
19.167	6831.529	11:44	
19.200	6830.928	11:46	
19.233	6829.726	11:48	
19.267	6830.928	11:50	
19.300	6832.130	11:52	
19.333	6832.731	11:54	
19.367	6833.332	11:56	
19.400	6833.332	11:58	
19.433	6833.332	12: 0	
19.467	6833.332	12: 2	
19.500	6833.332	12: 4	
19.533	6835.736	12: 6	
19.567	6835.135	12: 8	
19.600	6835.736	12:10	
19.633	6836.337	12:12	
19.667	6838.740	12:14	
19.700	6838.139	12:16	
19.733	6838.139	12:18	
19.767	6838.740	12:20	
19.800	6839.341	12:22	
19.833	6838.740	12:24	
19.867	6838.740	12:26	
19.900	6841.144	12:28	
19.933	6842.346	12:30	
19.967	6841.144	12:32	
20.000	6841.144	12:34	

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D.S.T. 2B; RUN 1. GAUGE 0116; SENSING DEPTH 11903.33 FT. (SECOND BUILD UP)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TIME	
20.033	6841.745	12:36	24/ 9/82
20.067	6842.947	12:38	
20.100	6842.947	12:40	
20.133	6842.346	12:42	
20.167	6843.548	12:44	
20.200	6843.548	12:46	
20.233	6843.548	12:48	
20.267	6844.750	12:50	
20.300	6845.952	12:52	
20.333	6845.351	12:54	
20.367	6845.351	12:56	
20.400	6845.952	12:58	
20.433	6847.154	13: 0	
20.467	6847.755	13: 2	
20.500	6847.755	13: 4	
20.533	6847.755	13: 6	
20.567	6848.957	13: 8	
20.600	6849.558	13:10	
20.633	6849.558	13:12	
20.667	6848.957	13:14	
20.700	6850.760	13:16	
20.733	6850.760	13:18	
20.767	6849.558	13:20	
20.800	6850.159	13:22	
20.833	6852.563	13:24	
20.867	6852.563	13:26	
20.900	6852.563	13:28	
20.933	6851.962	13:30	
20.967	6853.163	13:32	
21.000	6854.365	13:34	
21.033	6853.764	13:36	
21.067	6853.764	13:38	
21.100	6854.966	13:40	
21.133	6855.567	13:42	
21.167	6854.365	13:44	
21.200	6856.769	13:46	
21.233	6857.370	13:48	
21.267	6860.976	13:50	
21.300	6859.774	13:52	
21.333	6860.976	13:54	
21.367	6862.178	13:56	
21.400	6860.976	13:58	
21.433	6861.577	14: 0	
21.467	6862.178	14: 2	
21.500	6862.178	14: 4	
21.533	6862.178	14: 6	
21.567	6862.779	14: 8	
21.600	6863.981	14:10	
21.633	6863.981	14:12	
21.667	6862.779	14:14	

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D.S.T. 2B, RUN 1. GAUGE 0116, SENSING DEPTH 11903.33 FT. (SECOND BUILD UP)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TIME	
21.700	6863.981	14:16	24/ 9/82
21.733	6865.183	14:18	
21.767	6865.183	14:20	
21.800	6865.784	14:22	
21.833	6865.183	14:24	
21.867	6865.784	14:26	
21.900	6865.183	14:28	
21.933	6865.784	14:30	
21.967	6866.986	14:32	
22.000	6868.188	14:34	
22.033	6866.385	14:36	
22.067	6866.986	14:38	
22.100	6867.587	14:40	
22.133	6868.788	14:42	
22.167	6868.188	14:44	
22.200	6867.587	14:46	
22.233	6869.389	14:48	
22.267	6869.990	14:50	
22.300	6869.389	14:52	
22.333	6869.990	14:54	
22.367	6871.793	14:56	
22.400	6870.591	14:58	
22.433	6869.990	15: 0	
22.467	6871.192	15: 2	
22.500	6872.394	15: 4	
22.533	6872.394	15: 6	
22.567	6871.793	15: 8	
22.600	6872.394	15:10	
22.633	6873.596	15:12	
22.667	6872.995	15:14	
22.700	6873.596	15:16	
22.733	6875.399	15:18	
22.767	6874.798	15:20	

END OF BUILD UP PERIOD

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SPERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

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PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
1/9-6

OFFSHORE NORWAY
22 SEPTEMBER 1982
MRPG-1359-NOR

D.S.T. 2B, RUN 1. GAUGE 0116, SENSING DEPTH 11903.33 FT. (THIRD FLOW PERIOD)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TIME	
0.000	6874.798	15:20	24/ 9/82 OPEN TO FLOW ON 12/64"
0.033	6798.476	15:22	ADJ CHOKE AT 15:20
0.067	6737.178	15:24	INC TO 16/64" A.C. AT 15:21
0.100	6721.553	15:26	INC TO 20/64" A.C. AT 15:24
0.133	6693.909	15:28	
0.167	6711.337	15:30	CHANGE TO 20/64" FIXED
0.200	6713.740	15:32	CHOKE AT 15:30
0.233	6711.938	15:34	
0.267	6707.130	15:36	
0.300	6702.923	15:38	
0.333	6701.120	15:40	DIRECT THROUGH SEPERATOR
0.367	6695.111	15:42	AT 15:39
0.400	6690.904	15:44	
0.433	6687.298	15:46	
0.467	6686.697	15:48	
0.500	6683.692	15:50	
0.533	6678.284	15:52	
0.567	6673.476	15:54	
0.600	6671.072	15:56	
0.633	6665.063	15:58	
0.667	6662.659	16: 0	
0.700	6660.856	16: 2	
0.733	6656.649	16: 4	
0.767	6651.240	16: 6	
0.800	6648.837	16: 8	
0.833	6644.630	16:10	
0.867	6642.827	16:12	
0.900	6638.019	16:14	
0.933	6636.216	16:16	
0.967	6631.409	16:18	
1.000	6627.803	16:20	
1.033	6626.000	16:22	
1.067	6623.596	16:24	
1.100	6621.192	16:26	
1.133	6616.385	16:28	
1.167	6612.178	16:30	
1.200	6610.976	16:32	
1.233	6608.572	16:34	
1.267	6605.567	16:36	
1.300	6601.962	16:38	
1.333	6600.159	16:40	
1.367	6597.154	16:42	
1.400	6594.750	16:44	
1.433	6591.144	16:46	
1.467	6589.942	16:48	
1.500	6586.337	16:50	
1.533	6584.534	16:52	
1.567	6582.130	16:54	
1.600	6580.928	16:56	
1.633	6577.923	16:58	

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MAGNETIC RECORDING PRESSURE GAUGE REPORT

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PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
1/9-6

OFFSHORE NORWAY
22 SEPTEMBER 1982
MRPG-1359-NOR

D.S.T. 2B; RUN 1. GAUGE 0116; SENSING DEPTH 11903.33 FT. (THIRD FLOW PERIOD)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TIME	
1.667	6574.918	17: 0	24/ 9/82
1.700	6571.313	17: 2	
1.733	6570.712	17: 4	
1.767	6566.505	17: 6	
1.800	6565.303	17: 8	
1.833	6562.899	17:10	
1.867	6561.096	17:12	
1.900	6559.293	17:14	
1.933	6557.490	17:16	
1.967	6555.087	17:18	
2.033	6550.880	17:22	
2.067	6548.476	17:24	
2.100	6546.673	17:26	
2.133	6544.269	17:28	
2.167	6543.067	17:30	
2.200	6540.663	17:32	
2.233	6539.462	17:34	
2.267	6537.058	17:36	
2.300	6534.654	17:38	
2.333	6534.053	17:40	
2.367	6532.851	17:42	
2.400	6529.846	17:44	
2.433	6527.442	17:46	
2.467	6526.841	17:48	
2.500	6523.837	17:50	
2.533	6523.236	17:52	
2.567	6522.635	17:54	
2.600	6518.428	17:56	
2.633	6516.625	17:58	
2.667	6516.024	18: 0	
2.700	6514.221	18: 2	
2.733	6513.019	18: 4	
2.767	6511.216	18: 6	
2.800	6510.014	18: 8	
2.833	6508.212	18:10	
2.867	6505.808	18:12	
2.900	6505.207	18:14	
2.933	6504.606	18:16	
2.967	6502.202	18:18	
3.000	6499.798	18:20	
3.033	6497.995	18:22	
3.067	6497.394	18:24	
3.100	6495.591	18:26	
3.133	6494.389	18:28	
3.167	6492.587	18:30	
3.200	6491.385	18:32	
3.233	6490.183	18:34	
3.267	6489.582	18:36	
3.300	6487.779	18:38	
3.333	6485.976	18:40	

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SPERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

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PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
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OFFSHORE NORWAY
22 SEPTEMBER 1982
MRPG-1359-NOR

D.S.T. 2B, RUN 1. GAUGE 0116, SENSING DEPTH 11903.33 FT. (THIRD FLOW PERIOD)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TIME	
3.367	6483.572	18:42	24/ 9/82
3.400	6481.769	18:44	
3.433	6480.567	18:46	
3.467	6479.365	18:48	
3.500	6478.764	18:50	
3.533	6476.962	18:52	
3.567	6474.558	18:54	
3.600	6473.957	18:56	
3.633	6473.356	18:58	
3.667	6470.952	19: 0	
3.700	6470.351	19: 2	
3.733	6467.346	19: 4	
3.767	6466.745	19: 6	
3.800	6464.341	19: 8	
3.833	6464.341	19:10	
3.867	6464.341	19:12	
3.900	6461.938	19:14	
3.933	6460.736	19:16	
3.967	6458.933	19:18	
4.000	6459.534	19:20	
4.033	6457.130	19:22	
4.067	6456.529	19:24	
4.100	6455.327	19:26	
4.133	6455.327	19:28	
4.167	6452.923	19:30	
4.200	6451.721	19:32	
4.233	6449.317	19:34	
4.267	6450.519	19:36	
4.300	6448.716	19:38	
4.333	6446.313	19:40	
4.367	6446.313	19:42	
4.400	6445.111	19:44	
4.433	6443.308	19:46	
4.467	6442.106	19:48	
4.500	6441.505	19:50	
4.533	6439.702	19:52	
4.567	6437.899	19:54	
4.600	6438.500	19:56	
4.633	6437.298	19:58	
4.667	6435.495	20: 0	
4.700	6433.692	20: 2	
4.733	6433.692	20: 4	
4.767	6433.692	20: 6	
4.800	6431.889	20: 8	
4.833	6431.289	20:10	
4.867	6430.087	20:12	
4.900	6428.284	20:14	
4.933	6427.683	20:16	
4.967	6427.082	20:18	
5.000	6425.880	20:20	

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SPERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

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PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
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OFFSHORE NORWAY
22 SEPTEMBER 1982
MRPG-1359-NOR

D.S.T. 2B; RUN 1. GAUGE 0116; SENSING DEPTH 11903.33 FT. (THIRD FLOW PERIOD)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TIME	
5.033	6423.476	20:22	24/ 9/82
5.067	6422.875	20:24	
5.100	6422.274	20:26	
5.133	6421.072	20:28	
5.167	6420.471	20:30	
5.200	6420.471	20:32	
5.233	6417.466	20:34	
5.267	6416.264	20:36	
5.300	6415.664	20:38	
5.333	6416.264	20:40	
5.367	6415.664	20:42	
5.400	6413.861	20:44	
5.433	6412.659	20:46	
5.467	6412.659	20:48	
5.500	6411.457	20:50	
5.533	6411.457	20:52	
5.567	6410.856	20:54	
5.600	6410.255	20:56	
5.633	6406.048	20:58	
5.667	6404.846	21: 0	
5.700	6406.048	21: 2	
5.733	6404.245	21: 4	
5.767	6403.043	21: 6	
5.800	6402.442	21: 8	
5.833	6401.841	21:10	
5.867	6400.639	21:12	
5.900	6400.039	21:14	
5.933	6400.639	21:16	
5.967	6398.236	21:18	
6.000	6397.635	21:20	
6.033	6396.433	21:22	
6.067	6395.832	21:24	
6.100	6395.832	21:26	
6.133	6394.630	21:28	
6.167	6393.428	21:30	
6.200	6392.827	21:32	
6.233	6391.024	21:34	
6.267	6389.822	21:36	
6.300	6388.620	21:38	
6.333	6387.418	21:40	
6.367	6385.615	21:42	
6.400	6386.817	21:44	
6.433	6385.615	21:46	
6.467	6385.014	21:48	
6.500	6384.414	21:50	
6.533	6382.010	21:52	
6.567	6382.010	21:54	
6.600	6382.010	21:56	
6.633	6381.409	21:58	
6.667	6379.606	22: 0	

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PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
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OFFSHORE NORWAY
22 SEPTEMBER 1982
MRPG-1359-NOR

D.S.T. 2B, RUN 1. GAUGE 0116, SENSING DEPTH 11903.33 FT. (THIRD FLOW PERIOD)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TIME	
6.700	6378.404	22: 2	24/ 9/82
6.733	6377.803	22: 4	
6.767	6377.202	22: 6	
6.800	6376.601	22: 8	
6.833	6376.000	22:10	
6.867	6375.399	22:12	
6.900	6374.197	22:14	
6.933	6372.394	22:16	
6.967	6371.192	22:18	
7.000	6371.793	22:20	
7.033	6371.793	22:22	
7.067	6370.591	22:24	
7.100	6368.188	22:26	
7.133	6367.587	22:28	
7.167	6367.587	22:30	
7.200	6366.986	22:32	
7.233	6366.385	22:34	
7.267	6365.183	22:36	
7.300	6363.981	22:38	
7.333	6362.779	22:40	
7.367	6363.981	22:42	
7.400	6362.178	22:44	
7.433	6360.976	22:46	
7.467	6360.976	22:48	
7.500	6359.173	22:50	
7.533	6357.971	22:52	
7.567	6358.572	22:54	
7.600	6357.971	22:56	
7.633	6356.769	22:58	
7.667	6353.164	23: 0	
7.700	6353.164	23: 2	
7.733	6352.563	23: 4	
7.767	6351.962	23: 6	
7.800	6351.361	23: 8	
7.833	6350.760	23:10	
7.867	6348.957	23:12	
7.900	6348.356	23:14	
7.933	6348.957	23:16	
7.967	6348.957	23:18	
8.000	6348.356	23:20	
8.033	6347.154	23:22	
8.067	6345.952	23:24	

END OF FLOW PERIOD

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SPERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

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PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
1/9-6

OFFSHORE NORWAY
22 SEPTEMBER 1982
MRPG-1359-NOR

D.S.T. 2B, RUN 1. GAUGE 0116, SENSING DEPTH 11903.33 FT. (THIRD BUILD UP)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TIME		
0.000	6345.952	23:24	24/ 9/82	SHUT IN WELL AT FLOWLINE
0.033	6364.582	23:26		REMOTE VALVE, (LEAK IN
0.067	6390.423	23:28		CHICKSAN)
0.100	6406.649	23:30		SHUT IN CHOKE MANIFOLD
0.133	6419.269	23:32		AT 23:28
0.167	6428.284	23:34		
0.200	6437.298	23:36		
0.233	6444.510	23:38		
0.267	6452.322	23:40		
0.300	6458.332	23:42		
0.333	6462.539	23:44		
0.367	6469.149	23:46		
0.400	6472.154	23:48		
0.433	6478.163	23:50		
0.467	6481.168	23:52		
0.500	6484.774	23:54		
0.533	6488.981	23:56		
0.567	6490.784	23:58		
0.600	6496.793	0: 0	25/ 9/82	
0.633	6502.803	0: 2		
0.667	6507.611	0: 4		
0.700	6510.615	0: 6		
0.733	6514.822	0: 8		
0.767	6520.832	0:10		
0.800	6522.635	0:12		
0.833	6528.043	0:14		
0.867	6531.048	0:16		
0.900	6535.856	0:18		
0.933	6536.457	0:20		
0.967	6541.865	0:22		
1.000	6544.269	0:24		
1.033	6547.274	0:26		
1.067	6551.481	0:28		
1.100	6553.885	0:30		
1.133	6557.490	0:32		
1.167	6560.495	0:34		
1.200	6565.904	0:36		
1.267	6570.712	0:40		
1.300	6571.313	0:42		
1.333	6574.918	0:44		
1.367	6576.721	0:46		
1.400	6583.332	0:48		
1.433	6584.534	0:50		
1.467	6586.938	0:52		
1.500	6588.740	0:54		
1.533	6590.543	0:56		
1.567	6592.947	0:58		
1.600	6595.952	1: 0		
1.633	6596.553	1: 2		
1.667	6601.962	1: 4		

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MAGNETIC RECORDING PRESSURE GAUGE REPORT

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PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
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OFFSHORE NORWAY
22 SEPTEMBER 1982
MRPG-1359-NOR

D.S.T. 2B, RUN 1. GAUGE 0116, SENSING DEPTH 11903.33 FT. (THIRD BUILD UP)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TIME
1.700	6603.764	1: 6 25/ 9/82
1.733	6606.168	1: 8
1.767	6607.370	1:10
1.800	6610.976	1:12
1.833	6612.178	1:14
1.867	6618.188	1:16
1.900	6619.389	1:18
1.933	6620.591	1:20
1.967	6623.596	1:22
2.000	6625.399	1:24
2.033	6627.202	1:26
2.067	6632.611	1:28
2.100	6634.413	1:30

END OF BUILD UP PERIOD

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SPERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

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PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
1/9-6

OFFSHORE NORWAY
22 SEPTEMBER 1982
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D.S.T. 2B, RUN 1. GAUGE 0116, SENSING DEPTH 11903.33 FT. (FOURTH FLOW PERIOD)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TIME	
0.000	6634.413	1:30	25/ 9/83 OPEN WELL ON 12/64"
0.033	6564.101	1:32	ADJ CHOKE AT 01:30
0.067	6517.827	1:34	INCREASE TO 20/64"
0.100	6488.981	1:36	ADJ CHOKE AT 01:33
0.133	6463.740	1:38	
0.167	6484.774	1:40	CHANGE TO 20/64"
0.200	6493.788	1:42	FIXED CHOKE AT 01:40
0.233	6495.591	1:44	
0.267	6493.188	1:46	
0.300	6490.183	1:48	
0.333	6487.779	1:50	
0.367	6483.572	1:52	
0.400	6479.966	1:54	
0.433	6478.764	1:56	
0.467	6476.361	1:58	
0.500	6473.356	2: 0	
0.533	6471.553	2: 2	
0.567	6469.750	2: 4	
0.600	6467.346	2: 6	
0.633	6463.139	2: 8	
0.667	6460.135	2:10	
0.700	6457.731	2:12	
0.733	6453.524	2:14	
0.767	6451.721	2:16	
0.800	6451.120	2:18	
0.833	6446.914	2:20	DIRECT THROUGH SEPERATOR
0.867	6443.909	2:22	AT 02:20
0.900	6442.707	2:24	
0.933	6439.101	2:26	
0.967	6436.096	2:28	
1.000	6435.495	2:30	
1.033	6433.091	2:32	
1.067	6430.688	2:34	
1.100	6428.284	2:36	
1.133	6428.284	2:38	
1.167	6425.880	2:40	
1.200	6424.077	2:42	
1.233	6419.269	2:44	
1.267	6418.067	2:46	
1.300	6416.865	2:48	
1.333	6415.664	2:50	
1.367	6413.260	2:52	
1.400	6412.659	2:54	
1.567	6404.846	3: 4	
1.600	6402.442	3: 6	
1.700	6397.034	3:12	
1.733	6395.832	3:14	
1.767	6394.029	3:16	
1.800	6392.827	3:18	
1.833	6391.024	3:20	

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PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
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OFFSHORE NORWAY
22 SEPTEMBER 1982
MRPG-1359-NOR

D.S.T. 2B, RUN 1. GAUGE 0116, SENSING DEPTH 11903.33 FT. (FOURTH FLOW PERIOD)

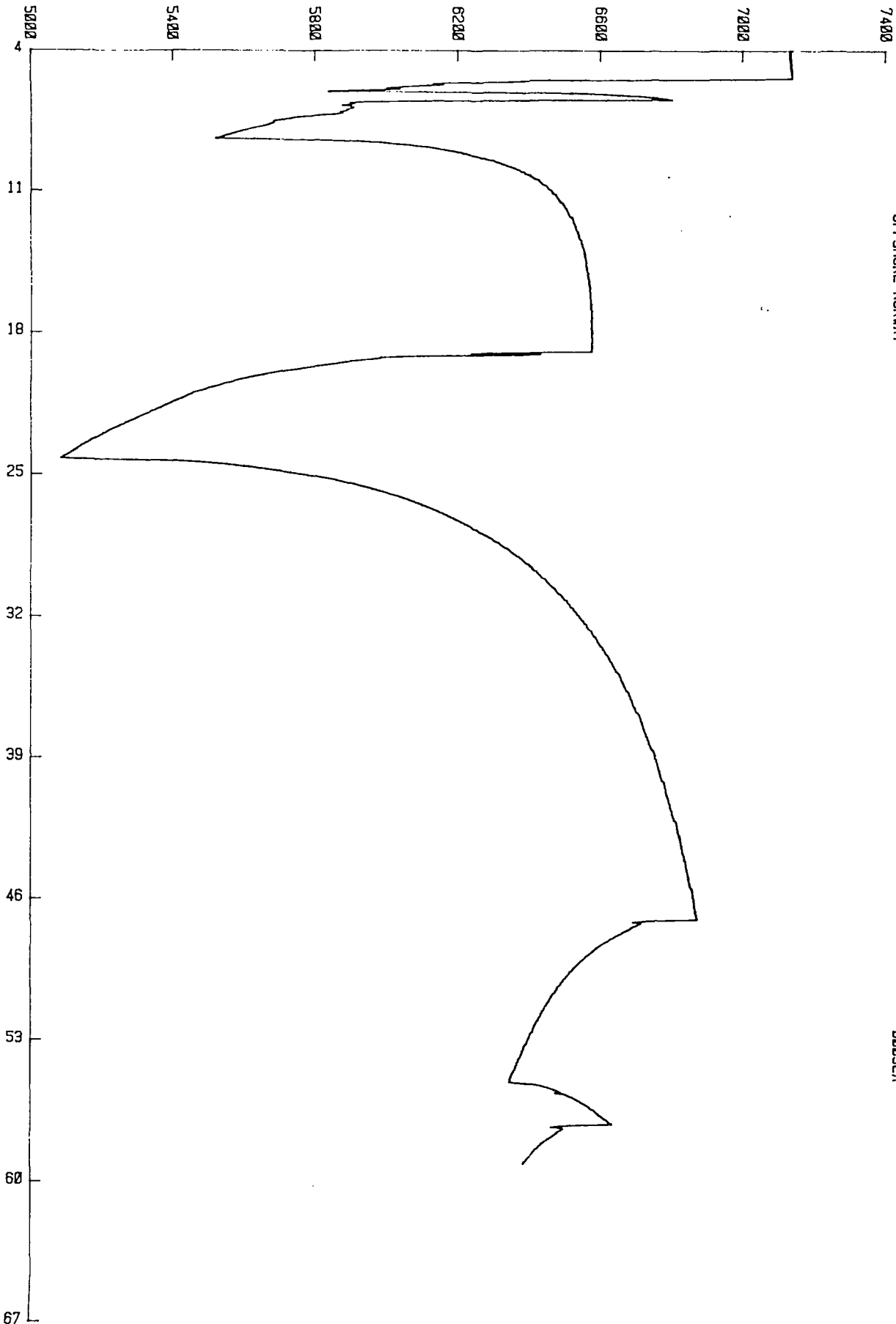
DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TIME	
1.867	6388.620	3:22	25/ 9/83
1.900	6389.221	3:24	
1.933	6386.817	3:26	
1.967	6386.216	3:28	END OF READINGS

PRESSURE Scale: 1 inch = 400 (PSIG)

PHILLIPS PETROLEUM CO NORWAY
1/9-6
TOMMELITEN
OFFSHORE NORWAY

NL Sperry-Sun, Inc.
PRESSURE/TEMP. VS TIME PLOT

22 SEPT 1982
MRPG-1359-NOR
GAUGE 0116 D.S.T. 28
D0032A



DELTA TIME
Scale: 1 inch = 7 hours

HEWLETT
PACKARD
d/p