

Denne rapport
tilhører

 STATOIL

L&U DOK. SENTER

L. NR. 30284110019

KODE Well 31/2-2 nr 33

Returneres etter bruk

Sperry

International, inc.

PRESSURE SURVEY REPORT

for

NORSKE SHELL A/S

WELL NO. 31/2-2

DATE: 28 AUGUST 1980

TEST NO. 1, RUN no.1



(A Sperry-Sun Company)

Precision Instruments / Professional Service



GRADIENT STOP SURVEY DATA

COMPANY: NORSKE SHELL DATE: 28 AUGUST, 1980
FIELD: WILDCAT WELL NO: 31/2-2 JOB NO: MRPG-666-NOR
GAUGE TYPE/NO: MRPG NO. 0028 TEST NO: 1 RUN NO: 1
INITIAL LUB. PRESSURE: 507 PSI. FINAL LUB. PRESSURE: 509 PSI.

MEASURED DEPTH	VERTICAL DEPTH	PRESSURE (P.S.I.G.)	GRADIENT/FT. (P.S.I.G.)	TEMPERATURE °F
1472.86 m		880.5		
1397.86 m		860		
1297.86 m		832		
1197.86 m		807		
-2.14 m		509		

REPORTED DEPTHS ARE GAUGE SENSING DEPTHS RELATIVE TO WIRELINE R.K.B.



GRADIENT STOP SURVEY DATA

COMPANY: NORSKE SHELL DATE: 28 AUGUST, 1980
FIELD: WILDCAT WELL NO: 31/2-2 JOB NO: MRPG-666-NOR
GAUGE TYPE/NO: MRPG NO. 0064 TEST NO: 1 RUN NO: 1
INITIAL LUB. PRESSURE: - FINAL LUB. PRESSURE: 509 PSI.

MEASURED DEPTH	VERTICAL DEPTH	PRESSURE (P.S.I.G.)	GRADIENT/FT. (P.S.I.G.)	TEMPERATURE °F
1469.9 m		876		147.4
1394.9 m		856		146.0
1294.9 m		830		144.6
1194.9 m		804		142.5
-5.1 m		509		18.3

REPORTED DEPTHS ARE GAUGE SENSING DEPTHS RELATIVE TO WIRELINE R.K.B.

SPERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

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NORSKE SHELL
MILDCAT
31/2-2

OFFSHORE NORWAY
28 AUGUST 1980
MRPG-666-NOR

PRESSURE GRADIENT SURVEY. GAUGE 0064.

DELTA TIME	PRESSURE	TIME	DATE
0.000	877.086	15:39	28- 8-80 ON BOTTOM AT 1469.9 M.
0.008	877.849	15:39	AT 15:18.
0.017	877.086	15:40	
0.025	877.467	15:40	
0.033	877.277	15:41	
0.042	876.895	15:41	
0.050	876.895	15:42	
0.058	877.277	15:42	
0.067	877.467	15:43	
0.075	877.277	15:43	
0.083	876.514	15:44	
0.092	876.895	15:44	
0.100	877.467	15:45	
0.108	877.086	15:45	
0.117	877.277	15:46	
0.125	877.467	15:46	
0.133	876.895	15:47	
0.142	877.086	15:47	
0.150	876.705	15:48	
0.158	876.895	15:48	
0.167	877.086	15:49	
0.175	877.277	15:49	
0.183	876.895	15:50	
0.192	877.277	15:50	
0.200	876.514	15:51	
0.208	876.514	15:51	
0.217	877.467	15:52	
0.225	876.895	15:52	
0.233	877.086	15:53	
0.242	877.277	15:53	
0.250	877.086	15:54	
0.258	877.086	15:54	
0.267	876.705	15:55	
0.275	876.895	15:55	
0.283	877.277	15:56	
0.292	876.323	15:56	
0.300	876.895	15:57	
0.308	877.277	15:57	
0.317	875.942	15:58	
0.325	876.514	15:58	
0.333	876.133	15:59	
0.342	876.705	15:59	
0.350	876.705	16: 0	
0.358	876.323	16: 0	
0.367	876.705	16: 1	
0.375	877.086	16: 1	

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MAGNETIC RECORDING PRESSURE GAUGE REPORT

NORSKE SHELL
WILDCAT
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PRESSURE GRADIENT SURVEY. GAUGE 0064.

DELTA TIME	PRESSURE	TIME	DATE
0.383	876.514	16: 2	28- 8-80
0.392	876.895	16: 2	
0.400	877.467	16: 3	
0.408	876.133	16: 3	
0.417	876.705	16: 4	
0.425	876.514	16: 4	
0.433	876.323	16: 5	
0.442	876.514	16: 5	
0.450	876.133	16: 6	
0.458	876.323	16: 6	
0.467	877.467	16: 7	
0.475	875.942	16: 7	
0.483	876.705	16: 8	
0.492	876.895	16: 8	
0.500	875.751	16: 9	
0.508	876.514	16: 9	
0.517	876.323	16:10	
0.525	876.323	16:10	
0.533	876.514	16:11	
0.542	876.323	16:11	
0.550	876.705	16:12	
0.558	877.467	16:12	
0.567	875.942	16:13	
0.575	876.514	16:13	
0.583	876.323	16:14	
0.592	875.751	16:14	
0.600	876.514	16:15	
0.608	876.514	16:15	
0.617	875.942	16:16	
0.625	876.514	16:16	
0.633	875.942	16:17	
0.658	875.751	16:18	
0.692	858.211	16:20	
0.700	857.639	16:21	
0.717	858.211	16:22	
0.725	857.639	16:22	
0.733	858.211	16:23	
0.742	858.783	16:23	
0.750	857.448	16:24	
0.758	858.211	16:24	
0.767	858.592	16:25	
0.775	857.639	16:25	
0.783	857.639	16:26	
0.792	858.211	16:26	
0.800	857.257	16:27	
0.808	858.020	16:27	
0.817	857.257	16:28	

G.S. AT 1394.9 M.
AT 16:20.

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PRESSURE GRADIENT SURVEY. GAUGE 0064.

DELTA TIME	PRESSURE	TIME	DATE
0.825	857.448	16:28	28- 8-80
0.833	857.829	16:29	
0.842	856.685	16:29	
0.850	857.257	16:30	
0.858	857.448	16:30	
0.867	856.876	16:31	
0.875	856.876	16:31	
0.883	858.020	16:32	
0.892	856.685	16:32	
0.900	856.495	16:33	
0.917	856.876	16:34	
0.925	857.257	16:34	
0.933	856.685	16:35	
0.942	856.495	16:35	
0.950	857.448	16:36	
0.958	856.685	16:36	
0.967	857.067	16:37	
0.975	856.685	16:37	
0.983	856.495	16:38	
0.992	856.876	16:38	
1.000	856.495	16:39	
1.008	856.876	16:39	
1.017	857.067	16:40	
1.025	856.113	16:40	
1.033	856.113	16:41	
1.042	857.257	16:41	
1.050	856.304	16:42	
1.058	856.495	16:42	
1.067	855.923	16:43	
1.075	856.113	16:43	
1.083	856.495	16:44	
1.092	855.923	16:44	
1.100	855.923	16:45	
1.108	856.685	16:45	
1.117	856.304	16:46	
1.133	855.732	16:47	
1.150	856.113	16:48	
1.158	855.923	16:48	
1.167	855.923	16:49	
1.175	856.304	16:49	
1.183	855.351	16:50	
1.192	855.923	16:50	
1.242	832.472	16:53	
1.267	832.853	16:55	
1.275	831.518	16:55	
1.283	831.900	16:56	
1.292	832.281	16:56	

G.S. AT 1294.9 M.
AT 16:53.

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PRESSURE GRADIENT SURVEY. GAUGE 0064.

DELTA TIME	PRESSURE	TIME	DATE
1.300	831.518	16:57	28- 8-80
1.308	831.709	16:57	
1.317	831.518	16:58	
1.325	831.518	16:58	
1.333	832.090	16:59	
1.342	830.756	16:59	
1.350	831.137	17: 0	
1.358	832.090	17: 0	
1.367	831.518	17: 1	
1.375	831.328	17: 1	
1.383	831.137	17: 2	
1.392	830.756	17: 2	
1.400	831.518	17: 3	
1.408	830.946	17: 3	
1.417	831.137	17: 4	
1.425	831.709	17: 4	
1.433	831.137	17: 5	
1.442	831.328	17: 5	
1.450	831.709	17: 6	
1.458	831.137	17: 6	
1.467	830.946	17: 7	
1.475	830.374	17: 7	
1.483	830.565	17: 8	
1.492	831.518	17: 8	
1.500	830.374	17: 9	
1.508	830.756	17: 9	
1.517	831.518	17:10	
1.525	830.565	17:10	
1.533	830.565	17:11	
1.542	830.756	17:11	
1.550	830.565	17:12	
1.558	830.946	17:12	
1.567	829.802	17:13	
1.575	830.565	17:13	
1.583	831.518	17:14	
1.592	829.802	17:14	
1.600	830.374	17:15	
1.608	830.756	17:15	
1.617	830.184	17:16	
1.625	830.184	17:16	
1.633	829.802	17:17	
1.642	830.374	17:17	
1.650	830.756	17:18	
1.658	829.230	17:18	
1.667	829.993	17:19	
1.675	831.137	17:19	
1.683	829.993	17:20	

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PRESSURE GRADIENT SURVEY. GAUGE 0064.

DELTA TIME	PRESSURE	TIME	DATE
1.692	829.993	17:20	28- 8-80
1.700	830.184	17:21	
1.708	829.993	17:21	
1.717	829.802	17:22	
1.725	828.849	17:22	
1.733	829.993	17:23	
1.742	830.184	17:23	
1.800	805.398	17:27	
1.808	805.398	17:27	G.S. AT 1194.9 M. AT 17:26.
1.817	804.635	17:28	
1.825	805.589	17:28	
1.833	806.161	17:29	
1.842	804.445	17:29	
1.850	805.207	17:30	
1.858	805.207	17:30	
1.867	805.207	17:31	
1.875	805.207	17:31	
1.883	804.826	17:32	
1.892	805.017	17:32	
1.900	805.970	17:33	
1.908	804.826	17:33	
1.917	805.207	17:34	
1.925	805.970	17:34	
1.933	805.017	17:35	
1.942	805.207	17:35	
1.950	805.017	17:36	
1.958	805.017	17:36	
1.967	804.826	17:37	
1.975	804.635	17:37	
1.983	805.017	17:38	
1.992	805.589	17:38	
2.000	804.254	17:39	
2.008	804.635	17:39	
2.017	805.589	17:40	
2.025	804.635	17:40	
2.033	805.017	17:41	
2.042	805.017	17:41	
2.050	804.445	17:42	
2.058	805.017	17:42	
2.067	804.445	17:43	
2.075	804.826	17:43	
2.083	805.398	17:44	
2.092	804.254	17:44	
2.100	805.207	17:45	
2.108	805.017	17:45	
2.117	804.635	17:46	
2.125	804.826	17:46	

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PRESSURE GRADIENT SURVEY. GAUGE 0064.

DELTA TIME	PRESSURE	TIME	DATE
2.133	804.063	17:47	28- 8-80
2.142	804.445	17:47	
2.150	805.207	17:48	
2.158	803.873	17:48	
2.167	803.873	17:49	
2.175	804.445	17:49	
2.183	804.063	17:50	
2.192	804.445	17:50	
2.200	803.873	17:51	
2.208	804.063	17:51	
2.217	804.826	17:52	
2.225	803.682	17:52	
2.233	804.063	17:53	
2.242	804.826	17:53	
2.250	803.682	17:54	
2.258	803.682	17:54	
2.267	803.873	17:55	
2.275	803.682	17:55	
2.283	803.873	17:56	
2.575	510.256	18:13	
2.583	510.256	18:14	
2.592	511.591	18:14	
2.600	509.112	18:15	
2.608	509.494	18:15	
2.617	510.638	18:16	
2.625	511.019	18:16	
2.633	507.778	18:17	
2.642	508.159	18:17	
2.650	511.210	18:18	
2.658	509.112	18:18	
2.667	511.400	18:19	
2.675	509.875	18:19	
2.683	512.163	18:20	
2.692	509.684	18:20	
2.700	508.540	18:21	
2.708	509.112	18:21	
2.717	511.591	18:22	
2.725	509.684	18:22	
2.733	510.066	18:23	
2.742	509.112	18:23	
2.750	508.731	18:24	
2.758	510.447	18:24	
2.767	508.540	18:25	
2.775	508.922	18:25	
2.783	509.303	18:26	
2.792	511.400	18:26	
2.800	507.206	18:27	

FINAL LUBRICATOR STOP.
 AT 18:13.

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PRESSURE GRADIENT SURVEY. GAUGE 0064.

DELTA TIME	PRESSURE	TIME	DATE
2.808	507.778	18:27	28- 8-80
2.817	506.443	18:28	
2.825	513.879	18:28	
2.833	506.634	18:29	
2.842	510.447	18:29	
2.850	507.778	18:30	
2.858	507.968	18:30	
2.867	508.350	18:31	
2.875	508.350	18:31	BLEED OFF LUBRICATOR.

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MAGNETIC RECORDING PRESSURE GAUGE REPORT

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TEMPERATURE GRADIENT SURVEY. GAUGE 0064.

DELTA TIME	TEMPERATURE	TIME	DATE
0.000	147.419	15:39	28- 8-80 ON BOTTOM AT 1469.9 M
0.008	147.419	15:39	AT 15:18.
0.017	147.419	15:40	
0.025	147.419	15:40	
0.033	147.419	15:41	
0.042	147.419	15:41	
0.050	147.419	15:42	
0.058	147.419	15:42	
0.067	147.419	15:43	
0.075	147.419	15:43	
0.083	147.419	15:44	
0.092	147.419	15:44	
0.100	147.419	15:45	
0.108	147.419	15:45	
0.117	147.419	15:46	
0.125	147.419	15:46	
0.133	147.419	15:47	
0.142	147.419	15:47	
0.150	147.419	15:48	
0.158	147.419	15:48	
0.167	147.419	15:49	
0.175	147.419	15:49	
0.183	147.419	15:50	
0.192	147.419	15:50	
0.200	147.419	15:51	
0.208	147.419	15:51	
0.217	147.419	15:52	
0.225	147.419	15:52	
0.233	147.419	15:53	
0.242	147.419	15:53	
0.250	147.419	15:54	
0.258	147.419	15:54	
0.267	147.419	15:55	
0.275	147.419	15:55	
0.283	147.419	15:56	
0.292	147.419	15:56	
0.300	147.419	15:57	
0.308	147.419	15:57	
0.317	147.419	15:58	
0.325	147.419	15:58	
0.333	147.419	15:59	
0.342	147.419	15:59	
0.350	147.419	16: 0	
0.358	147.419	16: 0	
0.367	147.419	16: 1	
0.375	147.419	16: 1	

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TEMPERATURE GRADIENT SURVEY. GAUGE 0064.

DELTA TIME	TEMPERATURE	TIME	DATE
0.383	147.419	16: 2	28- 8-80
0.392	147.419	16: 2	
0.400	147.419	16: 3	
0.408	147.419	16: 3	
0.417	147.419	16: 4	
0.425	147.419	16: 4	
0.433	147.419	16: 5	
0.442	147.419	16: 5	
0.450	147.419	16: 6	
0.458	147.419	16: 6	
0.467	147.419	16: 7	
0.475	147.419	16: 7	
0.483	147.419	16: 8	
0.492	147.419	16: 8	
0.500	147.419	16: 9	
0.508	147.419	16: 9	
0.517	147.419	16: 10	
0.525	147.419	16: 10	
0.533	147.419	16: 11	
0.542	147.419	16: 11	
0.550	147.419	16: 12	
0.558	147.419	16: 12	
0.567	147.419	16: 13	
0.575	147.419	16: 13	
0.583	147.419	16: 14	
0.592	147.419	16: 14	
0.600	147.419	16: 15	
0.608	147.419	16: 15	
0.617	147.419	16: 16	
0.625	147.419	16: 16	
0.633	147.419	16: 17	
0.642	147.419	16: 17	
0.650	147.419	16: 18	
0.658	147.419	16: 18	
0.692	146.712	16: 20	
0.700	146.712	16: 21	
0.708	146.712	16: 21	
0.717	146.712	16: 22	
0.725	146.712	16: 22	
0.733	146.712	16: 23	
0.742	146.712	16: 23	
0.750	146.712	16: 24	
0.758	146.712	16: 24	
0.767	146.712	16: 25	
0.775	146.712	16: 25	
0.783	146.712	16: 26	
0.792	146.005	16: 26	

G.S. AT 1394.9 M
AT 16:20.

SPERRY-SUN INTERNATIONAL INC.
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OFFSHORE NORWAY
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TEMPERATURE GRADIENT SURVEY. GAUGE 0064.

DELTA TIME	TEMPERATURE	TIME	DATE
0.800	146.005	16:27	28- 8-80
0.808	146.005	16:27	
0.817	146.005	16:28	
0.825	146.005	16:28	
0.833	146.005	16:29	
0.842	146.005	16:29	
0.850	146.005	16:30	
0.858	146.005	16:30	
0.867	146.005	16:31	
0.875	146.005	16:31	
0.883	146.005	16:32	
0.892	146.005	16:32	
0.900	146.005	16:33	
0.908	146.005	16:33	
0.917	146.005	16:34	
0.925	146.005	16:34	
0.933	146.005	16:35	
0.942	146.005	16:35	
0.950	146.005	16:36	
0.958	146.005	16:36	
0.967	146.005	16:37	
0.975	146.005	16:37	
0.983	146.005	16:38	
0.992	146.005	16:38	
1.000	146.005	16:39	
1.008	146.005	16:39	
1.017	146.005	16:40	
1.025	146.005	16:40	
1.033	146.005	16:41	
1.042	146.005	16:41	
1.050	146.005	16:42	
1.058	146.005	16:42	
1.067	146.005	16:43	
1.075	146.005	16:43	
1.083	146.005	16:44	
1.092	146.005	16:44	
1.100	146.005	16:45	
1.108	146.005	16:45	
1.117	146.005	16:46	
1.125	146.005	16:46	
1.133	146.005	16:47	
1.142	146.005	16:47	
1.150	146.005	16:48	
1.158	146.005	16:48	
1.167	146.005	16:49	
1.175	146.005	16:49	
1.183	146.005	16:50	

NORSKE SHELL
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MRPG-666-NOR

TEMPERATURE GRADIENT SURVEY. GAUGE 0064.

DELTA TIME	TEMPERATURE	TIME	DATE
1.192	146.005	16:50	28- 8-80
1.242	146.005	16:53	G.S. AT 1294.9 M
1.250	146.005	16:54	AT 16:53.
1.258	146.005	16:54	
1.267	145.298	16:55	
1.275	145.298	16:55	
1.283	145.298	16:56	
1.292	145.298	16:56	
1.300	145.298	16:57	
1.308	145.298	16:57	
1.317	144.591	16:58	
1.325	144.591	16:58	
1.333	144.591	16:59	
1.342	144.591	16:59	
1.350	144.591	17: 0	
1.358	144.591	17: 0	
1.367	144.591	17: 1	
1.375	144.591	17: 1	
1.383	144.591	17: 2	
1.392	144.591	17: 2	
1.400	144.591	17: 3	
1.408	144.591	17: 3	
1.417	144.591	17: 4	
1.425	144.591	17: 4	
1.433	144.591	17: 5	
1.442	144.591	17: 5	
1.450	144.591	17: 6	
1.458	144.591	17: 6	
1.467	144.591	17: 7	
1.475	144.591	17: 7	
1.483	144.591	17: 8	
1.492	144.591	17: 8	
1.500	144.591	17: 9	
1.508	144.591	17: 9	
1.517	144.591	17:10	
1.525	144.591	17:10	
1.533	144.591	17:11	
1.542	144.591	17:11	
1.550	144.591	17:12	
1.558	144.591	17:12	
1.567	144.591	17:13	
1.575	144.591	17:13	
1.583	144.591	17:14	
1.592	144.591	17:14	
1.600	144.591	17:15	
1.608	144.591	17:15	
1.617	144.591	17:16	

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OFFSHORE NORWAY
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TEMPERATURE GRADIENT SURVEY. GAUGE 0064.

DELTA TIME	TEMPERATURE	TIME	DATE
1.625	144.591	17:16	28- 8-80
1.633	144.591	17:17	
1.642	144.591	17:17	
1.650	144.591	17:18	
1.658	144.591	17:18	
1.667	144.591	17:19	
1.675	144.591	17:19	
1.683	144.591	17:20	
1.692	144.591	17:20	
1.700	144.591	17:21	
1.708	144.591	17:21	
1.717	144.591	17:22	
1.725	144.591	17:22	
1.733	144.591	17:23	
1.742	144.591	17:23	
1.800	143.884	17:27	
1.808	143.884	17:27	
1.817	143.884	17:28	
1.825	143.884	17:28	
1.833	143.177	17:29	
1.842	143.177	17:29	
1.850	143.177	17:30	
1.858	143.177	17:30	
1.867	143.177	17:31	
1.875	143.177	17:31	
1.883	143.177	17:32	
1.892	143.177	17:32	
1.900	143.177	17:33	
1.908	143.177	17:33	
1.917	143.177	17:34	
1.925	143.177	17:34	
1.933	142.470	17:35	
1.942	142.470	17:35	
1.950	142.470	17:36	
1.958	142.470	17:36	
1.967	142.470	17:37	
1.975	142.470	17:37	
1.983	142.470	17:38	
1.992	142.470	17:38	
2.000	142.470	17:39	
2.008	142.470	17:39	
2.017	142.470	17:40	
2.025	142.470	17:40	
2.033	142.470	17:41	
2.042	142.470	17:41	
2.050	142.470	17:42	
2.058	142.470	17:42	

G.S. AT 1194.9 M
 AT 17:26.

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TEMPERATURE GRADIENT SURVEY. GAUGE 0064.

DELTA TIME	TEMPERATURE	TIME	DATE
2.067	142.470	17:43	28- 8-80
2.075	142.470	17:43	
2.083	142.470	17:44	
2.092	142.470	17:44	
2.100	142.470	17:45	
2.108	142.470	17:45	
2.117	142.470	17:46	
2.125	142.470	17:46	
2.133	142.470	17:47	
2.142	142.470	17:47	
2.150	142.470	17:48	
2.158	142.470	17:48	
2.167	142.470	17:49	
2.175	142.470	17:49	
2.183	142.470	17:50	
2.192	142.470	17:50	
2.200	142.470	17:51	
2.208	142.470	17:51	
2.217	142.470	17:52	
2.225	142.470	17:52	
2.233	142.470	17:53	
2.242	142.470	17:53	
2.250	142.470	17:54	
2.258	142.470	17:54	
2.267	142.470	17:55	
2.275	142.470	17:55	
2.283	142.470	17:56	
2.575	88.738	18:13	
2.583	85.203	18:14	
2.592	82.375	18:14	
2.600	80.254	18:15	
2.608	78.133	18:15	
2.617	76.719	18:16	
2.625	76.012	18:16	
2.633	74.598	18:17	
2.642	73.891	18:17	
2.650	73.184	18:18	
2.658	72.477	18:18	
2.667	71.770	18:19	
2.675	71.063	18:19	
2.683	70.356	18:20	
2.692	69.649	18:20	
2.700	69.649	18:21	
2.708	68.942	18:21	
2.717	68.942	18:22	
2.725	68.235	18:22	
2.733	67.528	18:23	

FINAL LUBRICATOR TEMP.
AT 18:13.

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TEMPERATURE GRADIENT SURVEY. GAUGE 0064.

DELTA TIME	TEMPERATURE	TIME	DATE
2.742	67.528	18:23	28- 8-80
2.750	67.528	18:24	
2.758	66.821	18:24	
2.767	66.821	18:25	
2.775	66.114	18:25	
2.783	66.114	18:26	
2.792	66.114	18:26	
2.800	66.114	18:27	
2.808	65.407	18:27	
2.817	65.407	18:28	
2.825	65.407	18:28	
2.833	65.407	18:29	
2.842	64.700	18:29	
2.850	64.700	18:30	
2.858	64.700	18:30	
2.867	63.993	18:31	
2.875	63.993	18:31	

BLEED OFF LUBRICATOR.

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PRESSURE GRADIENT SURVEY. GAUGE 0028.

DELTA TIME	PRESSURE	TIME	DATE
0.000	502.845	14:40	28- 8-80
0.008	505.299	14:40	INITIAL LUBRICATOR STOP AT 14:40
0.017	506.035	14:41	
0.025	506.771	14:41	
0.033	509.716	14:42	
0.042	506.771	14:42	
0.050	507.016	14:43	
0.083	507.262	14:45	
0.092	505.544	14:45	
0.100	509.225	14:46	
0.108	507.262	14:46	
0.117	507.016	14:47	
0.125	508.243	14:47	
0.133	504.562	14:48	
0.142	504.317	14:48	
0.150	506.526	14:49	
0.158	505.789	14:49	
0.175	506.771	14:50	
0.183	508.980	14:51	
0.192	505.299	14:51	
0.200	505.299	14:52	
0.217	505.544	14:53	
0.225	504.317	14:53	
0.233	509.961	14:54	
0.242	503.335	14:54	
0.250	506.526	14:55	
0.258	507.016	14:55	
0.625	878.552	15:17	ON BOTTOM AT 1472.86 M
0.633	878.552	15:18	AT 15:18.
0.642	879.043	15:18	
0.650	879.779	15:19	
0.658	879.534	15:19	
0.667	879.779	15:20	
0.675	879.534	15:20	
0.683	880.515	15:21	
0.692	880.270	15:21	
0.700	880.515	15:22	
0.708	881.006	15:22	
0.717	880.761	15:23	
0.725	880.270	15:23	
0.733	881.006	15:24	
0.742	881.006	15:24	
0.750	881.251	15:25	
0.758	881.251	15:25	
0.767	880.761	15:26	
0.775	881.251	15:26	

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PRESSURE GRADIENT SURVEY. GAUGE 0028.

DELTA TIME	PRESSURE	TIME	DATE
0.783	881.497	15:27	28- 8-80
0.792	881.497	15:27	
0.800	881.006	15:28	
0.808	881.251	15:28	
0.817	881.251	15:29	
0.825	881.742	15:29	
0.833	881.742	15:30	
0.842	881.742	15:30	
0.850	881.497	15:31	
0.858	881.497	15:31	
0.867	881.988	15:32	
0.875	881.742	15:32	
0.883	881.988	15:33	
0.892	881.497	15:33	
0.900	881.742	15:34	
0.908	881.497	15:34	
0.917	881.742	15:35	
0.925	881.006	15:35	
0.933	881.006	15:36	
0.942	881.497	15:36	
0.950	881.251	15:37	
0.958	880.761	15:37	
0.967	881.497	15:38	
0.975	881.006	15:38	
0.983	881.497	15:39	
0.992	881.742	15:39	
1.000	881.251	15:40	
1.008	881.251	15:40	
1.017	881.497	15:41	
1.025	881.251	15:41	
1.033	881.251	15:42	
1.042	881.742	15:42	
1.050	881.497	15:43	
1.058	881.251	15:43	
1.067	881.251	15:44	
1.075	880.515	15:44	
1.083	881.006	15:45	
1.092	881.251	15:45	
1.100	881.742	15:46	
1.108	881.006	15:46	
1.117	881.006	15:47	
1.125	880.515	15:47	
1.133	880.515	15:48	
1.142	880.515	15:48	
1.150	881.006	15:49	
1.158	881.251	15:49	
1.167	880.515	15:50	

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PRESSURE GRADIENT SURVEY. GAUGE 0029.

DELTA TIME	PRESSURE	TIME	DATE
1.175	881.006	15:50	28- 8-80
1.192	881.006	15:51	
1.200	880.761	15:52	
1.208	880.515	15:52	
1.217	881.742	15:53	
1.225	881.006	15:53	
1.233	881.251	15:54	
1.242	881.006	15:54	
1.250	881.006	15:55	
1.258	881.006	15:55	
1.275	881.251	15:56	
1.283	881.006	15:57	
1.292	880.515	15:57	
1.300	880.761	15:58	
1.308	880.270	15:58	
1.317	881.006	15:59	
1.325	880.270	15:59	
1.333	880.270	16: 0	
1.342	880.761	16: 0	
1.350	880.761	16: 1	
1.358	881.251	16: 1	
1.367	881.006	16: 2	
1.375	881.006	16: 2	
1.383	881.251	16: 3	
1.392	881.251	16: 3	
1.400	880.761	16: 4	
1.408	880.761	16: 4	
1.417	880.515	16: 5	
1.425	880.761	16: 5	
1.433	880.515	16: 6	
1.442	880.761	16: 6	
1.450	881.497	16: 7	
1.458	880.761	16: 7	
1.467	880.024	16: 8	
1.475	880.515	16: 8	
1.483	880.270	16: 9	
1.492	880.761	16: 9	
1.500	880.270	16:10	
1.508	880.761	16:10	
1.517	881.006	16:11	
1.525	880.761	16:11	
1.533	880.761	16:12	
1.542	880.024	16:12	
1.558	879.779	16:13	
1.567	880.024	16:14	
1.575	880.761	16:14	
1.583	880.270	16:15	

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PRESSURE GRADIENT SURVEY. GAUGE 0028.

DELTA TIME	PRESSURE	TIME	DATE
1.592	879.779	16:15	28- 8-80
1.600	880.515	16:16	
1.608	881.006	16:16	
1.617	880.515	16:17	
1.625	880.761	16:17	
1.675	862.110	16:20	G.S. AT 1397.86 M
1.683	861.865	16:21	AT 16:20.
1.692	862.110	16:21	
1.700	862.110	16:22	
1.708	861.374	16:22	
1.717	862.356	16:23	
1.725	862.356	16:23	
1.733	862.110	16:24	
1.742	861.619	16:24	
1.750	862.356	16:25	
1.758	861.619	16:25	
1.767	861.865	16:26	
1.775	862.110	16:26	
1.783	861.619	16:27	
1.792	861.619	16:27	
1.800	861.374	16:28	
1.808	861.129	16:28	
1.817	861.619	16:29	
1.825	860.638	16:29	
1.833	861.619	16:30	
1.842	861.374	16:30	
1.850	861.374	16:31	
1.858	861.374	16:31	
1.875	861.129	16:32	
1.883	861.129	16:33	
1.892	861.129	16:33	
1.900	860.638	16:34	
1.908	860.638	16:34	
1.917	860.883	16:35	
1.925	861.619	16:35	
1.933	861.129	16:36	
1.942	861.374	16:36	
1.950	860.638	16:37	
1.958	860.883	16:37	
1.967	861.374	16:38	
1.975	860.638	16:38	
1.983	861.865	16:39	
1.992	860.392	16:39	
2.008	860.638	16:40	
2.017	860.638	16:41	
2.025	859.902	16:41	
2.033	860.392	16:42	

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PRESSURE GRADIENT SURVEY. GAUGE 0028.

DELTA TIME	PRESSURE	TIME	DATE
2.042	860.147	16:42	28- 8-80
2.058	860.392	16:43	
2.067	860.883	16:44	
2.075	860.638	16:44	
2.083	860.147	16:45	
2.092	860.392	16:45	
2.100	859.656	16:46	
2.108	860.392	16:46	
2.117	859.656	16:47	
2.125	860.638	16:47	
2.133	860.392	16:48	
2.142	860.392	16:48	
2.150	859.902	16:49	
2.158	860.147	16:49	
2.217	834.380	16:53	
2.225	835.362	16:53	
2.233	835.607	16:54	
2.242	835.362	16:54	
2.250	835.852	16:55	
2.258	834.625	16:55	
2.267	835.116	16:56	
2.275	835.116	16:56	
2.283	835.362	16:57	
2.292	834.625	16:57	
2.300	834.380	16:58	
2.317	834.871	16:59	
2.325	834.625	16:59	
2.333	835.116	17: 0	
2.342	834.625	17: 0	
2.350	834.625	17: 1	
2.358	834.135	17: 1	
2.367	834.871	17: 2	
2.375	835.116	17: 2	
2.383	834.625	17: 3	
2.392	834.380	17: 3	
2.400	834.625	17: 4	
2.408	835.607	17: 4	
2.417	834.871	17: 5	
2.425	834.871	17: 5	
2.433	834.380	17: 6	
2.442	834.625	17: 6	
2.450	834.135	17: 7	
2.458	833.889	17: 7	
2.467	833.644	17: 8	
2.475	834.380	17: 8	
2.483	834.135	17: 9	
2.492	833.889	17: 9	

G.S. AT 1297.86 M
 AT 16:53.

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PRESSURE GRADIENT SURVEY. GAUGE 0028.

DELTA TIME	PRESSURE	TIME	DATE
2.508	834.135	17:10	28- 8-80
2.517	833.398	17:11	
2.525	833.398	17:11	
2.533	833.644	17:12	
2.542	834.135	17:12	
2.550	834.135	17:13	
2.558	833.889	17:13	
2.567	833.644	17:14	
2.575	833.889	17:14	
2.583	833.889	17:15	
2.592	833.644	17:15	
2.600	833.889	17:16	
2.608	833.153	17:16	
2.617	833.889	17:17	
2.625	833.644	17:17	
2.633	832.662	17:18	
2.642	833.644	17:18	
2.658	833.644	17:19	
2.667	832.171	17:20	
2.675	833.398	17:20	
2.683	833.153	17:21	
2.692	833.153	17:21	
2.700	832.417	17:22	
2.708	833.644	17:22	
2.725	831.435	17:23	
2.733	832.908	17:24	
2.783	807.877	17:27	
2.792	807.386	17:27	
2.800	808.122	17:28	
2.808	807.877	17:28	
2.817	807.631	17:29	
2.825	807.631	17:29	
2.833	808.122	17:30	
2.842	808.122	17:30	
2.850	807.386	17:31	
2.858	807.386	17:31	
2.867	808.122	17:32	
2.875	808.122	17:32	
2.883	808.368	17:33	
2.892	807.877	17:33	
2.900	808.122	17:34	
2.908	807.386	17:34	
2.917	807.631	17:35	
2.925	807.386	17:35	
2.933	807.877	17:36	
2.942	807.631	17:36	
2.950	807.631	17:37	

G.S. AT 1197.86 M
AT 17:26.

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PRESSURE GRADIENT SURVEY. GAUGE 0028.

DELTA TIME	PRESSURE	TIME	DATE
2.958	806.895	17:37	28- 8-80
2.975	807.386	17:38	
2.983	807.386	17:39	
2.992	807.386	17:39	
3.000	807.631	17:40	
3.008	807.631	17:40	
3.017	807.631	17:41	
3.025	807.141	17:41	
3.033	807.631	17:42	
3.042	807.141	17:42	
3.050	807.141	17:43	
3.058	806.895	17:43	
3.067	806.895	17:44	
3.075	807.386	17:44	
3.092	807.386	17:45	
3.100	807.877	17:46	
3.108	806.895	17:46	
3.117	807.386	17:47	
3.125	806.895	17:47	
3.133	807.386	17:48	
3.142	806.650	17:48	
3.150	806.159	17:49	
3.158	806.895	17:49	
3.175	806.650	17:50	
3.183	806.650	17:51	
3.192	806.895	17:51	
3.200	806.895	17:52	
3.208	807.141	17:52	
3.217	806.159	17:53	
3.225	806.650	17:53	
3.233	806.404	17:54	
3.242	806.650	17:54	
3.250	806.895	17:55	
3.258	807.386	17:55	
3.542	514.133	18:12	
3.550	514.133	18:13	
3.558	513.888	18:13	
3.567	514.133	18:14	
3.575	512.170	18:14	
3.583	512.661	18:15	
3.592	512.170	18:15	
3.600	511.434	18:16	
3.608	509.225	18:16	
3.617	510.207	18:17	
3.625	515.605	18:17	
3.642	509.225	18:18	
3.650	511.188	18:19	

FINAL LUBRICATOR STOP
AT 18:13.

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PRESSURE GRADIENT SURVEY. GAUGE 0028.

DELTA TIME	PRESSURE	TIME	DATE
3.658	511.679	18:19	28- 8-80
3.675	514.378	18:20	
3.683	511.188	18:21	
3.692	510.697	18:21	
3.700	513.151	18:22	
3.708	510.207	18:22	
3.725	510.943	18:23	
3.733	510.697	18:24	
3.742	508.980	18:24	
3.758	506.771	18:25	
3.767	508.489	18:26	
3.775	506.526	18:26	
3.783	509.961	18:27	
3.792	499.900	18:27	
3.800	507.753	18:28	
3.808	508.980	18:28	
3.817	505.789	18:29	
3.825	507.262	18:29	
3.833	508.489	18:30	

BLEED OFF LUBRICATOR.