

sperry-sun internati

Denne rapport
tilhører

STATOIL

L&U DOK. SENTER

L. NR. *20088390026*

KODE *Well 31/2-3 nr 38*

Returneres etter bruk

PRESSURE SURVEY REPORT

for

NORSKE SHELL A/S

WELL NO. 31/2-3

DATE: 6 JULY 1980

TEST NO. 3, RUN NO. 2



(A Sperry-Sun Company)

Precision Instruments / Professional Service



PRESSURE TEST DATA SUMMARY

 COMPANY: A/S NORSKE SHELL DATE: 6 JULY 1980

 FIELD: WILDCAT WELL NO: 31/2-3 JOB NO: MRPG-592-NOR

 TEST TYPE: WIRELINe DST TEST NO: 3 RUN NO: 2 MAX B.H.T. 145 °F

 PERFORATION INTERVAL: 1435 TO 1460 METERS ZONE: CLEAN SAND

	TOP	MIDDLE	BOTTOM
GAUGE TYPE/NO.	<u>MRPG/0011</u>	<u>MRPG/0030</u>	<u>AMERADA</u>
PRESSURE SENSING DEPTH	<u>1402.3 M</u>	<u>1403.6 M</u>	
ELEMENT SIZE	<u>4000 PSI</u>	<u>4000 PSI</u>	
TIME MODE	<u>1 MINUTE</u>	<u>1 MINUTE</u>	
BATTERY TYPE	<u>ALKALINE</u>	<u>ALKALINE</u>	

EVENT	SURFACE TIMES & DATES		TEMP.	°F
GAUGES IN LUBRICATOR	14:30	6.7.80	55	
STOP AT 347 M	14:57	"	106	
STOP AT 794 M	15:14	"	120	
STOP AT 1091 M	15:25	"	130	
*SEAT GAUGES IN 'F' NIPPLE	15:37	"	142	
WELL OPENED ON ADJ. CHOKE	16:45	"	142	
WELL SET AT 32/64" ADJ. CHOKE	16:50	"	141	
WELL SET AT 40/64" ADJ. CHOKE	16:55	"	141	
WELL SET AT 56/64" ADJ. CHOKE	17:00	"	141	
WELL SET AT 64/64" ADJ. CHOKE	17:17	"	140	
WELL SET AT 78/64" ADJ. CHOKE	17:25	"	140	
WELL SET AT 90/64" ADJ. CHOKE	17:32	"	140	
WELL SET AT 96/64" ADJ. CHOKE	17:37	"	139	
WELL SET AT MAX CHOKE	17:49	"	139	
WELL SHUT IN	22:19	"	141	
END OF TEST	04:50	7.7.80	141	

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

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

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DELTA TIME	PRESSURE	TIME	DATE	
0.000	2063.380	14:57	6-7-80	STOP AT 347 M. 14:57
0.017	2064.748	14:58		
0.033	2065.530	14:59		
0.050	2064.944	15:00		
0.067	2064.748	15:01		CONTINUE RUN IN HOLE
0.083	2065.139	15:02		
0.100	2065.335	15:03		
0.117	2067.680	15:04		
0.133	2071.784	15:05		
0.150	2078.428	15:06		
0.167	2086.831	15:07		
0.183	2094.649	15:08		
0.200	2101.879	15:09		
0.217	2111.260	15:10		
0.233	2117.514	15:11		
0.250	2125.721	15:12		
0.267	2135.297	15:13		
0.283	2143.310	15:14		STOP AT 749 M. 15:14
0.300	2143.310	15:15		
0.317	2143.114	15:16		
0.333	2143.310	15:17		
0.350	2143.310	15:18		CONTINUE RUN IN HOLE
0.367	2143.310	15:19		
0.383	2143.310	15:20		
0.400	2147.218	15:21		
0.417	2156.403	15:22		
0.433	2164.611	15:23		
0.450	2173.015	15:24		
0.467	2182.591	15:25		
0.483	2191.776	15:26		
0.500	2195.098	15:27		STOP AT 1091 M. 15:25
0.517	2195.293	15:28		
0.533	2195.098	15:29		
0.550	2195.098	15:30		
0.567	2195.293	15:31		CONTINUE RUN IN HOLE
0.583	2199.593	15:32		
0.600	2207.996	15:33		
0.617	2217.572	15:34		
0.633	2228.711	15:35		
0.650	2238.287	15:36		
0.667	2248.059	15:37		SET IN F NIPPLE 15:37
0.683	2250.013	15:38		
0.700	2249.622	15:39		
0.717	2249.818	15:40		
0.733	2250.013	15:41		
0.750	2249.818	15:42		

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DELTA TIME	PRESSURE	TIME	DATE
0.767	2249.818	15:43	6-7-80
0.783	2249.818	15:44	
0.800	2250.013	15:45	
0.817	2249.622	15:46	
0.833	2249.818	15:47	
0.850	2249.818	15:48	
0.867	2250.013	15:49	
0.883	2249.818	15:50	
0.900	2250.013	15:51	
0.917	2249.818	15:52	
0.933	2249.818	15:53	
0.950	2249.427	15:54	
0.967	2249.818	15:55	
0.983	2250.013	15:56	
1.000	2250.013	15:57	
1.017	2249.622	15:58	
1.033	2249.622	15:59	
1.050	2249.818	16:00	
1.067	2250.208	16:01	
1.083	2250.404	16:02	
1.100	2249.818	16:03	
1.117	2249.427	16:04	
1.133	2249.818	16:05	
1.150	2250.013	16:06	
1.167	2250.013	16:07	
1.183	2250.208	16:08	
1.200	2184.350	16:09	
1.217	2248.840	16:10	
1.233	2249.427	16:11	
1.250	2249.622	16:12	
1.267	2249.622	16:13	
1.283	2249.622	16:14	
1.300	2249.427	16:15	
1.317	2249.427	16:16	
1.333	2249.622	16:17	
1.350	2249.818	16:18	
1.367	2249.818	16:19	
1.383	2249.818	16:20	
1.400	2249.622	16:21	
1.417	2249.818	16:22	
1.433	2249.427	16:23	
1.450	2249.622	16:24	
1.467	2249.818	16:25	
1.483	2249.818	16:26	
1.500	2250.013	16:27	
1.517	2249.818	16:28	
1.533	2250.013	16:29	

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DELTA TIME	PRESSURE	TIME	DATE
1.550	2250.013	16:30	6-7-80
1.567	2249.818	16:31	
1.583	2249.818	16:32	
1.600	2249.818	16:33	
1.617	2250.013	16:34	
1.633	2249.036	16:35	
1.650	2249.427	16:36	
1.667	2249.818	16:37	
1.683	2250.013	16:38	
1.700	2249.622	16:39	
1.717	2249.427	16:40	
1.733	2249.818	16:41	
1.750	2249.818	16:42	
1.767	2249.818	16:43	
1.783	2249.622	16:44	

WELL OPENED ON ADJ. CHOKE 16:44

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DELTA TIME	PRESSURE	TIME	DATE
0.000	2249.622	16:44	6- 7-80 WELL OPENED ON ADJ. CHOKE 16:44
0.017	2238.678	16:45	
0.033	2236.919	16:46	
0.050	2235.356	16:47	
0.067	2234.183	16:48	
0.083	2232.815	16:49	
0.100	2232.034	16:50	
0.117	2212.296	16:51	
0.133	2198.029	16:52	
0.150	2194.121	16:53	
0.167	2192.167	16:54	
0.183	2190.212	16:55	
0.200	2189.626	16:56	
0.217	2189.235	16:57	
0.233	2188.844	16:58	
0.250	2188.454	16:59	
0.267	2188.844	17: 0	
0.283	2177.705	17: 1	
0.300	2166.175	17: 2	
0.317	2158.553	17: 3	
0.333	2133.929	17: 4	
0.350	2126.112	17: 5	
0.367	2123.181	17: 6	
0.383	2122.204	17: 7	
0.400	2121.617	17: 8	
0.417	2119.468	17: 9	
0.433	2103.443	17:10	
0.450	2059.276	17:11	
0.467	2012.960	17:12	
0.483	1988.727	17:13	
0.500	1976.611	17:14	
0.517	1972.311	17:15	
0.533	1966.644	17:16	
0.550	1964.494	17:17	
0.567	1940.066	17:18	
0.583	1916.224	17:19	
0.600	1907.429	17:20	
0.617	1900.785	17:21	
0.633	1897.072	17:22	
0.650	1884.174	17:23	
0.667	1864.631	17:24	
0.683	1846.065	17:25	
0.700	1831.213	17:26	
0.717	1823.005	17:27	
0.733	1821.832	17:28	
0.750	1821.442	17:29	

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DELTA TIME	PRESSURE	TIME	DATE
0.767	1818.315	17:30	6-7-80
0.783	1813.429	17:31	
0.800	1798.968	17:32	
0.817	1790.760	17:33	
0.833	1783.529	17:34	
0.850	1784.506	17:35	
0.867	1782.356	17:36	
0.883	1782.161	17:37	
0.900	1776.689	17:38	
0.917	1748.156	17:39	
0.933	1728.809	17:40	
0.950	1721.969	17:41	
0.967	1715.325	17:42	
0.983	1714.348	17:43	
1.000	1708.289	17:44	
1.017	1711.807	17:45	
1.033	1710.635	17:46	
1.050	1713.175	17:47	
1.067	1701.254	17:48	
1.083	1701.254	17:49	
1.100	1696.955	17:50	
1.117	1684.643	17:51	
1.133	1683.470	17:52	
1.150	1685.424	17:53	
1.167	1678.975	17:54	
1.183	1676.239	17:55	
1.200	1681.711	17:56	
1.217	1683.666	17:57	
1.233	1676.044	17:58	
1.250	1682.884	17:59	
1.267	1681.320	18:00	
1.283	1685.424	18:01	
1.300	1687.379	18:02	
1.317	1687.183	18:03	
1.333	1689.138	18:04	
1.350	1687.183	18:05	
1.367	1685.424	18:06	
1.383	1689.333	18:07	
1.400	1686.792	18:08	
1.417	1686.206	18:09	
1.433	1685.815	18:10	
1.450	1691.287	18:11	
1.467	1692.460	18:12	
1.483	1701.449	18:13	
1.500	1686.011	18:14	
1.517	1682.298	18:15	
1.533	1677.216	18:16	

WELL SET ON MAX. CHOKE 17:49

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DELTA TIME	PRESSURE	TIME	DATE
1.550	1681.907	18:17	6-7-80
1.567	1681.907	18:18	
1.583	1681.516	18:19	
1.600	1691.483	18:20	
1.617	1684.056	18:21	
1.633	1681.125	18:22	
1.650	1687.965	18:23	
1.667	1686.402	18:24	
1.683	1687.574	18:25	
1.700	1695.391	18:26	
1.717	1685.620	18:27	
1.733	1678.975	18:28	
1.750	1681.711	18:29	
1.767	1686.402	18:30	
1.783	1685.815	18:31	
1.800	1692.655	18:32	
1.817	1697.345	18:33	
1.833	1697.541	18:34	
1.850	1668.422	18:35	
1.867	1657.088	18:36	
1.883	1658.260	18:37	
1.900	1653.570	18:38	
1.917	1651.616	18:39	
1.933	1649.466	18:40	
1.950	1651.225	18:41	
1.967	1644.189	18:42	
1.983	1642.235	18:43	
2.000	1645.557	18:44	
2.017	1647.121	18:45	
2.033	1644.385	18:46	
2.050	1642.235	18:47	
2.067	1643.603	18:48	
2.083	1642.040	18:49	
2.100	1639.695	18:50	
2.117	1638.913	18:51	
2.133	1641.258	18:52	
2.150	1638.522	18:53	
2.167	1637.349	18:54	
2.183	1637.545	18:55	
2.200	1632.464	18:56	
2.217	1638.327	18:57	
2.233	1632.268	18:58	
2.250	1631.682	18:59	
2.267	1632.464	19:00	
2.283	1632.659	19:01	
2.300	1630.119	19:02	
2.317	1632.659	19:03	

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DELTA TIME	PRESSURE	TIME	DATE
2.333	1628.164	19: 4	6- 7-80
2.350	1628.555	19: 5	
2.367	1629.532	19: 6	
2.383	1630.509	19: 7	
2.400	1630.314	19: 8	
2.417	1628.164	19: 9	
2.433	1630.705	19:10	
2.450	1628.164	19:11	
2.467	1629.728	19:12	
2.483	1628.946	19:13	
2.500	1629.337	19:14	
2.517	1630.119	19:15	
2.533	1631.291	19:16	
2.550	1625.037	19:17	
2.567	1630.119	19:18	
2.583	1634.027	19:19	
2.600	1626.210	19:20	
2.617	1628.164	19:21	
2.633	1628.946	19:22	
2.650	1629.337	19:23	
2.667	1626.992	19:24	
2.683	1626.405	19:25	
2.700	1625.624	19:26	
2.717	1626.210	19:27	
2.733	1626.601	19:28	
2.750	1627.187	19:29	
2.767	1630.509	19:30	
2.783	1623.865	19:31	
2.800	1627.969	19:32	
2.817	1626.405	19:33	
2.833	1626.015	19:34	
2.850	1623.083	19:35	
2.867	1623.083	19:36	
2.883	1623.865	19:37	
2.900	1625.037	19:38	
2.917	1623.083	19:39	
2.933	1626.405	19:40	
2.950	1629.337	19:41	
2.967	1625.428	19:42	
2.983	1624.060	19:43	
3.000	1623.279	19:44	
3.017	1624.256	19:45	
3.033	1624.060	19:46	
3.050	1628.360	19:47	
3.067	1624.451	19:48	
3.083	1624.060	19:49	
3.100	1626.992	19:50	

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DELTA TIME	PRESSURE	TIME	DATE
3.117	1626.210	19:51	6- 7-80
3.133	1627.969	19:52	
3.150	1626.210	19:53	
3.167	1622.888	19:54	
3.183	1627.383	19:55	
3.200	1626.796	19:56	
3.217	1622.888	19:57	
3.233	1623.474	19:58	
3.250	1624.451	19:59	
3.267	1623.865	20: 0	
3.283	1622.888	20: 1	
3.300	1626.210	20: 2	
3.317	1623.474	20: 3	
3.333	1623.279	20: 4	
3.350	1623.669	20: 5	
3.367	1622.106	20: 6	
3.383	1620.934	20: 7	
3.400	1624.451	20: 8	
3.417	1627.187	20: 9	
3.433	1624.451	20:10	
3.450	1623.865	20:11	
3.467	1626.015	20:12	
3.483	1623.865	20:13	
3.500	1620.738	20:14	
3.517	1619.566	20:15	
3.533	1620.347	20:16	
3.550	1622.888	20:17	
3.567	1622.302	20:18	
3.583	1620.543	20:19	
3.600	1618.588	20:20	
3.617	1617.220	20:21	
3.633	1624.842	20:22	
3.650	1621.520	20:23	
3.667	1621.129	20:24	
3.683	1624.647	20:25	
3.700	1623.279	20:26	
3.717	1621.715	20:27	
3.733	1618.979	20:28	
3.750	1625.037	20:29	
3.767	1621.129	20:30	
3.783	1626.015	20:31	
3.800	1620.738	20:32	
3.817	1622.692	20:33	
3.833	1621.715	20:34	
3.850	1617.807	20:35	
3.867	1625.624	20:36	
3.883	1625.624	20:37	

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DELTA TIME	PRESSURE	TIME	DATE
3.900	1618.393	20:38	6-7-80
3.917	1621.520	20:39	
3.933	1624.256	20:40	
3.950	1626.601	20:41	
3.967	1624.256	20:42	
3.983	1621.715	20:43	
4.000	1628.751	20:44	
4.017	1623.474	20:45	
4.033	1625.819	20:46	
4.050	1626.796	20:47	
4.067	1624.647	20:48	
4.083	1615.462	20:49	
4.100	1612.921	20:50	
4.117	1613.116	20:51	
4.133	1613.312	20:52	
4.150	1612.921	20:53	
4.167	1615.852	20:54	
4.183	1616.439	20:55	
4.200	1615.071	20:56	
4.217	1614.094	20:57	
4.233	1615.071	20:58	
4.250	1619.956	20:59	
4.267	1617.611	21:00	
4.283	1611.358	21:01	
4.300	1615.071	21:02	
4.317	1616.634	21:03	
4.333	1610.380	21:04	
4.350	1612.335	21:05	
4.367	1612.139	21:06	
4.383	1614.484	21:07	
4.400	1612.530	21:08	
4.417	1612.139	21:09	
4.433	1615.462	21:10	
4.450	1613.703	21:11	
4.467	1614.094	21:12	
4.483	1611.748	21:13	
4.500	1611.358	21:14	
4.517	1611.162	21:15	
4.533	1616.439	21:16	
4.550	1606.667	21:17	
4.567	1614.680	21:18	
4.583	1608.622	21:19	
4.600	1614.875	21:20	
4.617	1612.335	21:21	
4.633	1610.380	21:22	
4.650	1609.599	21:23	
4.667	1613.312	21:24	

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DELTA TIME	PRESSURE	TIME	DATE
4.683	1616.048	21:25	6-7-80
4.700	1613.898	21:26	
4.717	1611.162	21:27	
4.733	1610.576	21:28	
4.750	1613.507	21:29	
4.767	1615.071	21:30	
4.783	1609.208	21:31	
4.800	1608.035	21:32	
4.817	1611.162	21:33	
4.833	1610.380	21:34	
4.850	1607.058	21:35	
4.867	1609.599	21:36	
4.883	1611.944	21:37	
4.900	1613.898	21:38	
4.917	1610.576	21:39	
4.933	1607.254	21:40	
4.950	1614.680	21:41	
4.967	1607.840	21:42	
4.983	1610.576	21:43	
5.000	1610.576	21:44	
5.017	1612.921	21:45	
5.033	1609.990	21:46	
5.050	1612.921	21:47	
5.067	1611.358	21:48	
5.083	1615.462	21:49	
5.100	1612.335	21:50	
5.117	1615.071	21:51	
5.133	1610.967	21:52	
5.150	1618.198	21:53	
5.167	1613.116	21:54	
5.183	1612.726	21:55	
5.200	1608.622	21:56	
5.217	1610.185	21:57	
5.233	1614.484	21:58	
5.250	1613.507	21:59	
5.267	1612.335	22:0	
5.283	1612.335	22:1	
5.300	1613.312	22:2	
5.317	1610.185	22:3	
5.333	1612.139	22:4	
5.350	1612.530	22:5	
5.367	1615.071	22:6	
5.383	1612.530	22:7	
5.400	1617.807	22:8	
5.417	1608.622	22:9	
5.433	1614.875	22:10	
5.450	1612.726	22:11	

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DELTA TIME	PRESSURE	TIME	DATE
5.467	1614.680	22:12	6-7-80
5.483	1619.761	22:13	
5.500	1616.439	22:14	
5.517	1612.530	22:15	
5.533	1613.898	22:16	
5.550	1609.208	22:17	
5.567	1617.611	22:18	
5.583	1612.530	22:19	

WELL SHUT IN 22:19

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DELTA TIME	PRESSURE	TIME	DATE
0.000	1612.530	22:19	6-7-80 WELL SHUT IN 22:19
0.017	1693.242	22:20	
0.033	2142.724	22:21	
0.050	2247.668	22:22	
0.067	2249.036	22:23	
0.083	2249.622	22:24	
0.100	2249.622	22:25	
0.117	2249.622	22:26	
0.133	2249.622	22:27	
0.150	2249.818	22:28	
0.167	2249.622	22:29	
0.183	2249.622	22:30	
0.200	2249.818	22:31	
0.217	2249.622	22:32	
0.233	2249.622	22:33	
0.250	2249.231	22:34	
0.267	2249.622	22:35	
0.283	2249.622	22:36	
0.300	2249.427	22:37	
0.317	2249.818	22:38	
0.333	2249.622	22:39	
0.350	2249.818	22:40	
0.367	2249.231	22:41	
0.383	2249.622	22:42	
0.400	2250.013	22:43	
0.417	2249.427	22:44	
0.433	2249.427	22:45	
0.450	2250.013	22:46	
0.467	2249.818	22:47	
0.483	2249.427	22:48	
0.500	2249.818	22:49	
0.517	2250.208	22:50	
0.533	2249.818	22:51	
0.550	2249.427	22:52	
0.567	2249.622	22:53	
0.583	2249.427	22:54	
0.600	2249.622	22:55	
0.617	2249.818	22:56	
0.633	2249.818	22:57	
0.650	2249.427	22:58	
0.667	2249.622	22:59	
0.683	2249.818	23: 0	
0.700	2249.622	23: 1	
0.717	2249.622	23: 2	
0.733	2249.622	23: 3	
0.750	2249.427	23: 4	

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DELTA TIME	PRESSURE	TIME	DATE
0.767	2249.427	23: 5	6- 7-80
0.783	2249.622	23: 6	
0.800	2249.622	23: 7	
0.817	2249.622	23: 8	
0.833	2249.427	23: 9	
0.850	2249.427	23:10	
0.867	2249.818	23:11	
0.883	2249.622	23:12	
0.900	2249.622	23:13	
0.917	2249.818	23:14	
0.933	2249.622	23:15	
0.950	2249.818	23:16	
0.967	2249.818	23:17	
0.983	2249.818	23:18	
1.000	2249.622	23:19	
1.017	2249.427	23:20	
1.033	2249.622	23:21	
1.050	2249.818	23:22	
1.067	2249.427	23:23	
1.083	2249.818	23:24	
1.100	2249.622	23:25	
1.117	2249.622	23:26	
1.133	2250.013	23:27	
1.150	2250.013	23:28	
1.167	2249.427	23:29	
1.183	2249.622	23:30	
1.200	2249.622	23:31	
1.217	2249.818	23:32	
1.233	2249.622	23:33	
1.250	2249.427	23:34	
1.267	2249.427	23:35	
1.283	2249.818	23:36	
1.300	2249.622	23:37	
1.317	2249.818	23:38	
1.333	2249.427	23:39	
1.350	2249.818	23:40	
1.367	2249.622	23:41	
1.383	2249.622	23:42	
1.400	2250.013	23:43	
1.417	2249.818	23:44	
1.433	2249.231	23:45	
1.450	2249.427	23:46	
1.467	2249.622	23:47	
1.483	2249.818	23:48	
1.500	2249.818	23:49	
1.517	2249.622	23:50	
1.533	2249.622	23:51	

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DELTA TIME	PRESSURE	TIME	DATE
0.000	2251.459	16:44	6- 7-80 WELL OPENED ON ADJ. CHOKE 16:44
0.017	2242.248	16:45	
0.033	2237.842	16:46	
0.050	2236.040	16:47	
0.067	2234.638	16:48	
0.083	2232.636	16:49	
0.100	2232.035	16:50	
0.117	2213.011	16:51	
0.133	2198.793	16:52	
0.150	2194.388	16:53	
0.167	2192.586	16:54	
0.183	2190.783	16:55	
0.200	2190.383	16:56	
0.217	2190.383	16:57	
0.233	2189.582	16:58	
0.250	2189.782	16:59	
0.267	2189.382	17: 0	
0.283	2178.368	17: 1	
0.300	2166.753	17: 2	
0.317	2159.544	17: 3	
0.333	2133.912	17: 4	
0.350	2125.702	17: 5	
0.367	2122.498	17: 6	
0.383	2122.098	17: 7	
0.400	2121.297	17: 8	
0.417	2120.896	17: 9	
0.433	2104.275	17:10	
0.450	2060.421	17:11	
0.467	2012.761	17:12	
0.483	1988.331	17:13	
0.500	1975.915	17:14	
0.583	1938.468	17:19	
0.600	1898.619	17:20	
0.617	1898.218	17:21	
0.633	1896.216	17:22	
0.650	1879.795	17:23	
0.667	1862.173	17:24	
0.683	1849.157	17:25	
0.700	1829.532	17:26	
0.717	1820.321	17:27	
0.733	1821.322	17:28	
0.750	1821.923	17:29	
0.767	1820.121	17:30	
0.783	1811.510	17:31	
0.800	1798.694	17:32	
0.817	1779.870	17:33	

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TEST ON CLEAN SAND ZONE RUN ONE. GAUGE 0030 SENSING DEPTH 1403.6 M. R.K.B.

DELTA TIME	PRESSURE	TIME	DATE
0.833	1779.070	17:34	6-7-80
0.850	1786.278	17:35	
0.867	1781.072	17:36	
0.883	1781.873	17:37	
0.900	1763.650	17:38	
0.917	1739.420	17:39	
0.933	1730.609	17:40	
0.950	1719.395	17:41	
0.967	1713.588	17:42	
0.983	1703.375	17:43	
1.000	1718.794	17:44	
1.017	1702.374	17:45	
1.033	1704.777	17:46	
1.050	1698.969	17:47	
1.067	1705.778	17:48	
1.083	1695.165	17:49	
1.100	1687.555	17:50	
1.117	1682.148	17:51	
1.133	1671.135	17:52	
1.150	1681.147	17:53	
1.167	1679.545	17:54	
1.183	1678.544	17:55	
1.200	1683.350	17:56	
1.217	1675.941	17:57	
1.233	1670.534	17:58	
1.250	1668.732	17:59	
1.267	1674.339	18:00	
1.283	1684.151	18:01	
1.300	1681.748	18:02	
1.317	1680.546	18:03	
1.333	1690.158	18:04	
1.350	1681.347	18:05	
1.367	1684.151	18:06	
1.383	1669.933	18:07	
1.400	1683.350	18:08	
1.417	1682.749	18:09	
1.433	1684.551	18:10	
1.450	1692.962	18:11	
1.467	1701.773	18:12	
1.483	1693.162	18:13	
1.500	1686.954	18:14	
1.517	1671.735	18:15	
1.533	1672.536	18:16	
1.550	1679.946	18:17	
1.567	1681.147	18:18	
1.583	1680.947	18:19	
1.600	1679.145	18:20	

WELL SET ON MAX. CHOKE 17:49

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TEST ON CLEAN SAND ZONE RUN ONE. GAUGE 0011 SENSING DEPTH 1402.3 M. R.K.B.

DELTA TIME	PRESSURE	TIME	DATE
1.550	2249.622	23:52	6- 7-80
1.567	2249.818	23:53	
1.583	2249.622	23:54	
1.600	2249.427	23:55	
1.617	2249.622	23:56	
1.633	2250.013	23:57	
1.650	2249.622	23:58	
1.667	2249.622	23:59	
1.683	2249.622	0: 0	7- 7-80
1.700	2249.622	0: 1	
1.717	2250.013	0: 2	
1.733	2249.622	0: 3	
1.750	2249.622	0: 4	
1.767	2249.622	0: 5	
1.783	2249.622	0: 6	
1.800	2249.818	0: 7	
1.817	2249.818	0: 8	
1.833	2249.427	0: 9	
1.850	2249.427	0:10	
1.867	2249.427	0:11	
1.883	2249.622	0:12	
1.900	2249.818	0:13	
1.917	2249.818	0:14	
1.933	2249.818	0:15	
1.950	2249.622	0:16	
1.967	2249.818	0:17	
1.983	2249.818	0:18	
2.000	2249.818	0:19	
2.017	2249.818	0:20	
2.033	2249.622	0:21	
2.050	2249.622	0:22	
2.067	2249.818	0:23	
2.083	2249.818	0:24	
2.100	2249.818	0:25	
2.117	2249.818	0:26	
2.133	2249.427	0:27	
2.150	2249.622	0:28	
2.167	2249.818	0:29	
2.183	2249.818	0:30	
2.200	2249.427	0:31	
2.217	2249.818	0:32	
2.233	2249.818	0:33	
2.250	2249.818	0:34	
2.267	2249.622	0:35	
2.283	2249.622	0:36	
2.300	2249.622	0:37	
2.317	2249.818	0:38	

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TEST ON CLEAN SAND ZONE RUN ONE. GAUGE 0011 SENSING DEPTH 1402.3 M. R.K.B.

DELTA TIME	PRESSURE	TIME	DATE
2.333	2249.427	0:39	7- 7-80
2.350	2249.231	0:40	
2.367	2249.622	0:41	
2.383	2250.013	0:42	
2.400	2250.013	0:43	
2.417	2249.622	0:44	
2.433	2249.427	0:45	
2.450	2249.818	0:46	
2.467	2249.818	0:47	
2.483	2249.818	0:48	
2.500	2249.622	0:49	
2.517	2249.427	0:50	
2.533	2249.622	0:51	
2.550	2250.208	0:52	
2.567	2249.818	0:53	
2.583	2249.818	0:54	
2.600	2249.818	0:55	
2.617	2249.818	0:56	
2.633	2249.818	0:57	
2.650	2250.013	0:58	
2.667	2249.818	0:59	
2.683	2250.208	1: 0	
2.700	2249.622	1: 1	
2.717	2249.622	1: 2	
2.733	2250.404	1: 3	
2.750	2249.818	1: 4	
2.767	2249.622	1: 5	
2.783	2249.622	1: 6	
2.800	2250.013	1: 7	
2.817	2249.818	1: 8	
2.833	2249.622	1: 9	
2.850	2249.427	1:10	
2.867	2249.622	1:11	
2.883	2249.622	1:12	
2.900	2249.818	1:13	
2.917	2249.622	1:14	
2.933	2249.622	1:15	
2.950	2249.427	1:16	
2.967	2249.622	1:17	
2.983	2249.818	1:18	
3.000	2249.818	1:19	
3.017	2249.622	1:20	
3.033	2249.427	1:21	
3.050	2249.622	1:22	
3.067	2249.818	1:23	
3.083	2249.818	1:24	
3.100	2249.622	1:25	

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DELTA TIME	PRESSURE	TIME	DATE
3.117	2249.427	1:26	7- 7-80
3.133	2249.427	1:27	
3.150	2249.427	1:28	
3.167	2249.622	1:29	
3.183	2249.622	1:30	
3.200	2249.622	1:31	
3.217	2249.622	1:32	
3.233	2250.013	1:33	
3.250	2250.013	1:34	
3.267	2249.818	1:35	
3.283	2249.622	1:36	
3.300	2249.622	1:37	
3.317	2249.622	1:38	
3.333	2249.622	1:39	
3.350	2249.622	1:40	
3.367	2249.818	1:41	
3.383	2249.622	1:42	
3.400	2249.427	1:43	
3.417	2249.622	1:44	
3.433	2249.622	1:45	
3.450	2249.622	1:46	
3.467	2249.427	1:47	
3.483	2249.622	1:48	
3.500	2249.427	1:49	
3.517	2249.427	1:50	
3.533	2249.622	1:51	
3.550	2249.622	1:52	
3.567	2249.818	1:53	
3.583	2249.818	1:54	
3.600	2249.622	1:55	
3.617	2249.622	1:56	
3.633	2250.013	1:57	
3.650	2250.208	1:58	
3.667	2249.818	1:59	
3.683	2249.622	2: 0	
3.700	2249.427	2: 1	
3.717	2249.427	2: 2	
3.733	2249.818	2: 3	
3.750	2249.818	2: 4	
3.767	2249.818	2: 5	
3.783	2249.427	2: 6	
3.800	2249.622	2: 7	
3.817	2249.622	2: 8	
3.833	2249.818	2: 9	
3.850	2249.818	2:10	
3.867	2249.818	2:11	
3.883	2250.013	2:12	

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DELTA TIME	PRESSURE	TIME	DATE
3.900	2249.818	2:13	7- 7-80
3.917	2249.818	2:14	
3.933	2249.427	2:15	
3.950	2249.427	2:16	
3.967	2249.622	2:17	
3.983	2249.622	2:18	
4.000	2249.622	2:19	
4.017	2249.818	2:20	
4.033	2249.622	2:21	
4.050	2249.622	2:22	
4.067	2249.818	2:23	
4.083	2249.818	2:24	
4.100	2249.818	2:25	
4.117	2249.818	2:26	
4.133	2249.622	2:27	
4.150	2249.818	2:28	
4.167	2250.013	2:29	
4.183	2249.818	2:30	
4.200	2249.622	2:31	
4.217	2249.622	2:32	
4.233	2249.818	2:33	
4.250	2249.818	2:34	
4.267	2249.622	2:35	
4.283	2249.622	2:36	
4.300	2249.622	2:37	
4.317	2249.818	2:38	
4.333	2249.818	2:39	
4.350	2249.622	2:40	
4.367	2249.427	2:41	
4.383	2249.622	2:42	
4.400	2249.818	2:43	
4.417	2249.818	2:44	
4.433	2249.818	2:45	
4.450	2249.818	2:46	
4.467	2249.622	2:47	
4.483	2249.427	2:48	
4.500	2249.818	2:49	
4.517	2249.622	2:50	
4.533	2249.427	2:51	
4.550	2249.622	2:52	
4.567	2249.427	2:53	
4.583	2249.818	2:54	
4.600	2250.013	2:55	
4.617	2249.622	2:56	
4.633	2249.622	2:57	
4.650	2249.818	2:58	
4.667	2250.013	2:59	

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TEST ON CLEAN SAND ZONE RUN ONE. GAUGE 0011 SENSING DEPTH 1402.3 M. R.K.B.

DELTA TIME	PRESSURE	TIME	DATE
4.683	2249.818	3: 0	7- 7-80
4.700	2249.818	3: 1	
4.717	2249.818	3: 2	
4.733	2250.013	3: 3	
4.750	2249.622	3: 4	
4.767	2249.818	3: 5	
4.783	2250.013	3: 6	
4.800	2249.622	3: 7	
4.817	2249.622	3: 8	
4.833	2250.013	3: 9	
4.850	2249.818	3: 10	
4.867	2249.622	3: 11	
4.883	2249.622	3: 12	
4.900	2250.013	3: 13	
4.917	2250.208	3: 14	
4.933	2249.818	3: 15	
4.950	2249.818	3: 16	
4.967	2249.622	3: 17	
4.983	2249.622	3: 18	
5.000	2250.013	3: 19	
5.017	2249.818	3: 20	
5.033	2250.013	3: 21	
5.050	2249.622	3: 22	
5.067	2249.622	3: 23	
5.083	2249.818	3: 24	
5.100	2250.013	3: 25	
5.117	2249.818	3: 26	
5.133	2249.622	3: 27	
5.150	2249.818	3: 28	
5.167	2250.013	3: 29	
5.183	2249.818	3: 30	
5.200	2249.622	3: 31	
5.217	2249.427	3: 32	
5.233	2249.427	3: 33	
5.250	2249.818	3: 34	
5.267	2249.818	3: 35	
5.283	2249.818	3: 36	
5.300	2249.427	3: 37	
5.317	2249.427	3: 38	
5.333	2249.818	3: 39	
5.350	2249.622	3: 40	
5.367	2249.622	3: 41	
5.383	2249.427	3: 42	
5.400	2249.622	3: 43	
5.417	2250.013	3: 44	
5.433	2249.818	3: 45	
5.450	2249.622	3: 46	

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DELTA TIME	PRESSURE	TIME	DATE
5.467	2249.427	3:47	7- 7-80
5.483	2249.427	3:48	
5.500	2249.818	3:49	
5.517	2249.818	3:50	
5.533	2249.427	3:51	
5.550	2249.622	3:52	
5.567	2249.622	3:53	
5.583	2249.427	3:54	
5.600	2249.622	3:55	
5.617	2249.622	3:56	
5.633	2249.818	3:57	
5.650	2249.818	3:58	
5.667	2249.622	3:59	
5.683	2249.818	4: 0	
5.700	2249.818	4: 1	
5.717	2249.818	4: 2	
5.733	2249.622	4: 3	
5.750	2249.818	4: 4	
5.767	2249.818	4: 5	
5.783	2250.013	4: 6	
5.800	2249.622	4: 7	
5.817	2249.622	4: 8	
5.833	2249.622	4: 9	
5.850	2249.818	4:10	
5.867	2249.818	4:11	
5.883	2249.818	4:12	
5.900	2250.013	4:13	
5.917	2249.818	4:14	
5.933	2249.818	4:15	
5.950	2249.818	4:16	
5.967	2249.818	4:17	
5.983	2249.622	4:18	
6.000	2250.013	4:19	
6.017	2249.818	4:20	
6.033	2250.013	4:21	
6.050	2249.818	4:22	
6.067	2249.818	4:23	
6.083	2250.013	4:24	
6.100	2250.013	4:25	
6.117	2249.622	4:26	
6.133	2249.427	4:27	
6.150	2249.818	4:28	
6.167	2250.013	4:29	
6.183	2250.013	4:30	
6.200	2249.818	4:31	
6.217	2249.622	4:32	
6.233	2249.622	4:33	

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DELTA TIME	PRESSURE	TIME	DATE
6.250	2249.622	4:34	7- 7-80
6.267	2249.231	4:35	
6.283	2249.427	4:36	
6.300	2249.231	4:37	
6.317	2249.427	4:38	
6.333	2249.427	4:39	
6.350	2249.622	4:40	
6.367	2249.427	4:41	
6.383	2249.427	4:42	
6.400	2249.427	4:43	
6.417	2249.231	4:44	
6.433	2249.818	4:45	
6.450	2249.427	4:46	
6.467	2249.427	4:47	
6.483	2249.427	4:48	
6.500	2249.427	4:49	
6.517	2249.622	4:50	
6.533	2249.427	4:51	
6.550	2249.622	4:52	

END OF TEST 04:50 7/7/80

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DELTA TIME	PRESSURE	TIME	DATE
0.000	1969.380	14:57	6- 7-80 STOP AT 347 M. 14:57
0.017	1969.184	14:58	
0.033	1968.989	14:59	
0.050	1969.184	15: 0	
0.067	1969.771	15: 1	CONTINUE RUN IN HOLE
0.083	1970.943	15: 2	
0.100	1975.438	15: 3	
0.117	1982.083	15: 4	
0.133	1988.532	15: 5	
0.150	1997.326	15: 6	
0.167	2005.534	15: 7	
0.183	2013.937	15: 8	
0.200	2021.363	15: 9	
0.217	2028.594	15:10	
0.233	2038.366	15:11	
0.250	2045.792	15:12	
0.267	2046.378	15:13	
0.283	2046.378	15:14	STOP AT 794 M. 15:14
0.300	2046.574	15:15	
0.317	2047.160	15:16	
0.333	2046.964	15:17	
0.350	2046.574	15:18	CONTINUE RUN IN HOLE
0.450	2084.682	15:24	
0.467	2097.775	15:25	STOP AT 1091 M. 15:25
0.533	2098.166	15:29	CONTINUE RUN IN HOLE
0.550	2109.696	15:30	
0.567	2118.100	15:31	
0.667	2149.564	15:37	SET IN F NIPPLE 15:37
0.733	2149.954	15:41	
0.750	2149.759	15:42	
0.767	2149.954	15:43	
0.783	2149.954	15:44	
0.817	2150.150	15:46	
0.833	2149.954	15:47	
0.850	2150.150	15:48	
0.867	2150.150	15:49	
0.883	2150.345	15:50	
0.933	2150.150	15:53	
0.950	2149.954	15:54	
0.967	2150.150	15:55	
0.983	2150.150	15:56	
1.000	2150.345	15:57	
1.017	2150.150	15:58	
1.033	2150.345	15:59	
1.050	2150.345	16: 0	
1.067	2150.345	16: 1	

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DELTA TIME	PRESSURE	TIME	DATE
1.083	2150.345	16: 2	6- 7-80
1.100	2150.345	16: 3	
1.117	2150.345	16: 4	
1.133	2150.345	16: 5	
1.150	2150.345	16: 6	
1.167	2150.345	16: 7	
1.183	2150.345	16: 8	
1.200	2150.345	16: 9	
1.217	2083.900	16:10	
1.233	2149.759	16:11	
1.250	2150.345	16:12	
1.267	2150.345	16:13	
1.283	2150.345	16:14	
1.300	2150.345	16:15	
1.317	2150.345	16:16	
1.333	2150.541	16:17	
1.350	2150.345	16:18	
1.367	2150.541	16:19	
1.383	2150.541	16:20	
1.400	2150.345	16:21	
1.417	2150.541	16:22	
1.433	2150.541	16:23	
1.450	2150.541	16:24	
1.467	2150.541	16:25	
1.483	2150.541	16:26	
1.500	2150.541	16:27	
1.517	2150.541	16:28	
1.533	2150.541	16:29	
1.550	2150.541	16:30	
1.567	2150.541	16:31	
1.583	2150.736	16:32	
1.600	2150.541	16:33	
1.617	2150.736	16:34	
1.633	2150.150	16:35	
1.650	2150.541	16:36	
1.667	2150.736	16:37	
1.683	2150.736	16:38	
1.700	2150.736	16:39	
1.717	2150.736	16:40	
1.733	2150.736	16:41	
1.750	2150.736	16:42	
1.767	2150.541	16:43	
1.783	2150.541	16:44	

WELL OPENED ON ADJ. CHOKE 16:44

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DELTA TIME	PRESSURE	TIME	DATE
1.617	1686.754	18:21	6-7-80
1.633	1685.352	18:22	
1.650	1691.160	18:23	
1.667	1684.151	18:24	
1.683	1685.352	18:25	
1.700	1689.958	18:26	
1.717	1677.142	18:27	
1.733	1673.337	18:28	
1.750	1673.137	18:29	
1.767	1686.554	18:30	
1.783	1692.161	18:31	
1.800	1690.959	18:32	
1.817	1689.558	18:33	
1.833	1700.171	18:34	
1.850	1657.918	18:35	
1.867	1660.722	18:36	
1.883	1651.310	18:37	
1.900	1655.315	18:38	
1.917	1648.106	18:39	
1.933	1631.485	18:40	
1.950	1645.102	18:41	
1.967	1638.694	18:42	
1.983	1636.491	18:43	
2.000	1638.094	18:44	
2.017	1646.704	18:45	
2.033	1637.092	18:46	
2.050	1635.090	18:47	
2.067	1640.296	18:48	
2.083	1623.876	18:49	
2.100	1637.893	18:50	
2.117	1639.695	18:51	
2.133	1619.670	18:52	
2.150	1634.489	18:53	
2.167	1638.094	18:54	
2.183	1632.887	18:55	
2.200	1631.886	18:56	
2.217	1630.484	18:57	
2.233	1633.287	18:58	
2.250	1625.478	18:59	
2.267	1623.675	19: 0	
2.283	1610.859	19: 1	
2.300	1628.081	19: 2	
2.317	1625.878	19: 3	
2.333	1625.077	19: 4	
2.350	1625.878	19: 5	
2.367	1621.873	19: 6	
2.383	1626.880	19: 7	

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TEST ON CLEAN SAND ZONE RUN ONE. GAUGE 0030 SENSING DEPTH 1403.6 M. R.K.B.

DELTA TIME	PRESSURE	TIME	DATE
2.400	1627.080	19: 8	6- 7-80
2.417	1622.474	19: 9	
2.433	1622.674	19:10	
2.450	1632.286	19:11	
2.467	1616.967	19:12	
2.483	1623.475	19:13	
2.500	1627.680	19:14	
2.517	1625.678	19:15	
2.533	1622.274	19:16	
2.550	1632.286	19:17	
2.567	1627.881	19:18	
2.583	1618.868	19:19	
2.600	1612.061	19:20	
2.617	1619.670	19:21	
2.633	1615.465	19:22	
2.650	1622.274	19:23	
2.667	1622.674	19:24	
2.683	1627.280	19:25	
2.700	1608.652	19:26	
2.717	1620.071	19:27	
2.733	1626.880	19:28	
2.750	1618.068	19:29	
2.767	1621.673	19:30	
2.783	1622.674	19:31	
2.800	1621.272	19:32	
2.817	1624.877	19:33	
2.833	1619.470	19:34	
2.850	1627.280	19:35	
2.867	1618.068	19:36	
2.883	1621.473	19:37	
2.900	1616.667	19:38	
2.917	1621.072	19:39	
2.933	1612.061	19:40	
2.950	1618.068	19:41	
2.967	1625.478	19:42	
2.983	1617.868	19:43	
3.000	1618.269	19:44	
3.017	1619.670	19:45	
3.033	1616.266	19:46	
3.050	1621.272	19:47	
3.067	1618.068	19:48	
3.083	1606.053	19:49	
3.100	1607.655	19:50	
3.117	1610.659	19:51	
3.133	1621.072	19:52	
3.150	1618.869	19:53	
3.167	1621.272	19:54	

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DELTA TIME	PRESSURE	TIME	DATE
3.183	1614.464	19:55	6-7-80
3.200	1623.876	19:56	
3.217	1622.274	19:57	
3.233	1619.270	19:58	
3.250	1622.474	19:59	
3.267	1611.260	20:00	
3.283	1621.272	20:01	
3.300	1622.274	20:02	
3.317	1617.668	20:03	
3.333	1626.078	20:04	
3.350	1624.076	20:05	
3.367	1615.065	20:06	
3.383	1618.069	20:07	
3.400	1618.669	20:08	
3.417	1616.667	20:09	
3.433	1613.262	20:10	
3.450	1620.071	20:11	
3.467	1617.668	20:12	
3.483	1609.257	20:13	
3.500	1613.663	20:14	
3.517	1619.670	20:15	
3.533	1611.861	20:16	
3.550	1614.864	20:17	
3.567	1603.250	20:18	
3.583	1614.664	20:19	
3.600	1620.672	20:20	
3.617	1604.852	20:21	
3.633	1612.461	20:22	
3.650	1608.256	20:23	
3.667	1619.070	20:24	
3.683	1619.470	20:25	
3.700	1620.872	20:26	
3.717	1614.063	20:27	
3.733	1603.851	20:28	
3.750	1606.654	20:29	
3.767	1616.066	20:30	
3.783	1608.056	20:31	
3.800	1615.465	20:32	
3.817	1610.859	20:33	
3.833	1612.662	20:34	
3.850	1622.674	20:35	
3.867	1618.669	20:36	
3.883	1616.867	20:37	
3.900	1619.670	20:38	
3.917	1606.454	20:39	
3.933	1618.469	20:40	
3.950	1613.863	20:41	

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DELTA TIME	PRESSURE	TIME	DATE
3.967	1618.869	20:42	6- 7-80
3.983	1624.677	20:43	
4.000	1617.468	20:44	
4.017	1616.867	20:45	
4.033	1624.476	20:46	
4.050	1621.272	20:47	
4.067	1607.856	20:48	
4.083	1619.670	20:49	
4.100	1612.261	20:50	
4.117	1608.456	20:51	
4.133	1615.665	20:52	
4.150	1609.858	20:53	
4.167	1616.266	20:54	
4.183	1608.256	20:55	
4.200	1604.852	20:56	
4.217	1604.051	20:57	
4.233	1614.264	20:58	
4.250	1613.863	20:59	
4.267	1602.449	21: 0	
4.283	1597.242	21: 1	
4.300	1616.066	21: 2	
4.317	1608.056	21: 3	
4.333	1607.255	21: 4	
4.350	1613.663	21: 5	
4.367	1606.254	21: 6	
4.383	1623.876	21: 7	
4.400	1604.051	21: 8	
4.417	1617.267	21: 9	
4.433	1599.645	21:10	
4.450	1612.662	21:11	
4.467	1618.869	21:12	
4.483	1612.061	21:13	
4.500	1603.650	21:14	
4.517	1607.655	21:15	
4.533	1603.250	21:16	
4.550	1609.858	21:17	
4.567	1600.647	21:18	
4.583	1611.060	21:19	
4.600	1602.649	21:20	
4.617	1606.654	21:21	
4.633	1590.434	21:22	
4.650	1600.647	21:23	
4.667	1595.640	21:24	
4.683	1612.061	21:25	
4.700	799.847	21:26	
4.717	1607.856	21:27	
4.733	1603.650	21:28	

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DELTA TIME	PRESSURE	TIME	DATE
4.750	1593.237	21:29	6- 7-80
4.767	1605.052	21:30	
4.783	1606.454	21:31	
4.800	1607.255	21:32	
4.817	1611.460	21:33	
4.833	1605.853	21:34	
4.850	1589.433	21:35	
4.867	1599.045	21:36	
4.883	1609.658	21:37	
4.900	1610.859	21:38	
4.917	1608.056	21:39	
4.933	1602.449	21:40	
4.950	1605.052	21:41	
4.967	1600.657	21:42	
4.983	1604.652	21:43	
5.000	1611.660	21:44	
5.017	1603.851	21:45	
5.033	1609.257	21:46	
5.050	1607.655	21:47	
5.067	1591.435	21:48	
5.083	1603.250	21:49	
5.100	1605.653	21:50	
5.117	1604.451	21:51	
5.133	1613.463	21:52	
5.150	1610.058	21:53	
5.167	1610.859	21:54	
5.183	1580.021	21:55	
5.200	1608.456	21:56	
5.217	1612.662	21:57	
5.233	1607.856	21:58	
5.250	1611.660	21:59	
5.267	1608.857	22: 0	
5.283	1612.061	22: 1	
5.300	1605.653	22: 2	
5.317	1616.466	22: 3	
5.333	1610.259	22: 4	
5.350	1607.856	22: 5	
5.367	1601.648	22: 6	
5.383	1604.451	22: 7	
5.400	1598.244	22: 8	
5.417	1603.851	22: 9	
5.433	1608.456	22:10	
5.450	1596.041	22:11	
5.467	1612.061	22:12	
5.483	1617.868	22:13	
5.500	1612.461	22:14	
5.517	1611.060	22:15	

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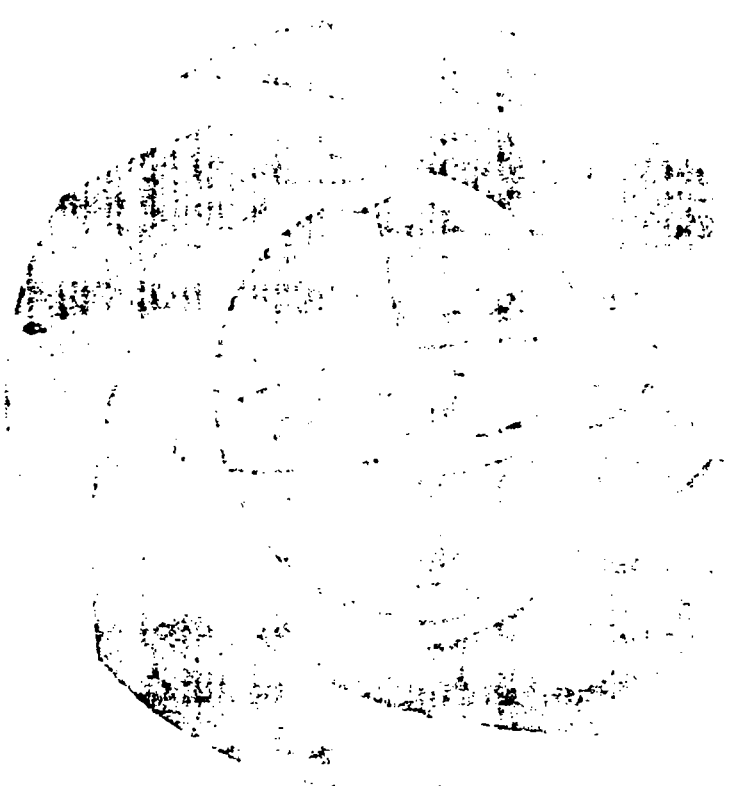
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DELTA TIME	PRESSURE	TIME	DATE	
5.533	1618.269	22:16	6-7-80	
5.550	1608.456	22:17		
5.567	1681.548	22:18		WELL SHUT IN 22:19



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DELTA TIME	PRESSURE	TIME	DATE
0.000	1681.548	22:18	6-7-80 WELL SHUT IN 22:19
0.017	2140.521	22:19	
0.033	2250.658	22:20	
0.050	2252.260	22:21	
0.067	2252.260	22:22	
0.083	2252.661	22:23	
0.100	2252.661	22:24	
0.117	2252.861	22:25	
0.133	2252.460	22:26	
0.150	2252.861	22:27	
0.167	2252.661	22:28	
0.183	2252.661	22:29	
0.200	2252.861	22:30	
0.217	2252.861	22:31	
0.233	2252.861	22:32	
0.250	2252.861	22:33	
0.267	2252.861	22:34	
0.283	2252.861	22:35	
0.300	2253.061	22:36	
0.317	2253.061	22:37	
0.333	2253.061	22:38	
0.350	2253.261	22:39	
0.367	2253.061	22:40	
0.383	2253.061	22:41	
0.400	2252.861	22:42	
0.417	2252.861	22:43	
0.433	2252.861	22:44	
0.450	2253.061	22:45	
0.467	2253.061	22:46	
0.483	2253.061	22:47	
0.500	2253.061	22:48	
0.517	2252.861	22:49	
0.533	2252.861	22:50	
0.550	2253.061	22:51	
0.567	2253.061	22:52	
0.583	2253.061	22:53	
0.600	2252.861	22:54	
0.617	2252.861	22:55	
0.633	2252.861	22:56	
0.650	2253.061	22:57	
0.667	2253.061	22:58	
0.683	2252.861	22:59	
0.700	2252.861	23:00	
0.717	2252.861	23:01	
0.733	2252.861	23:02	
0.750	2253.061	23:03	

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TEST ON CLEAN SAND ZONE RUN ONE. GAUGE 0030 SENSING DEPTH 1403.6 M. R.K.B.

DELTA TIME	PRESSURE	TIME	DATE
0.767	2253.061	23: 4	6- 7-80
0.783	2252.861	23: 5	
0.800	2252.861	23: 6	
0.817	2252.661	23: 7	
0.833	2252.861	23: 8	
0.850	2252.861	23: 9	
0.867	2252.861	23:10	
0.883	2252.861	23:11	
0.900	2252.861	23:12	
0.917	2252.861	23:13	
0.933	2252.861	23:14	
0.950	2252.861	23:15	
0.967	2253.061	23:16	
0.983	2252.861	23:17	
1.000	2252.861	23:18	
1.017	2252.861	23:19	
1.033	2252.861	23:20	
1.050	2253.061	23:21	
1.067	2253.061	23:22	
1.083	2253.061	23:23	
1.100	2253.261	23:24	
1.117	2253.061	23:25	
1.133	2253.061	23:26	
1.150	2253.061	23:27	
1.167	2253.061	23:28	
1.183	2252.861	23:29	
1.200	2253.061	23:30	
1.217	2253.061	23:31	
1.233	2252.861	23:32	
1.250	2252.861	23:33	
1.267	2252.861	23:34	
1.283	2252.861	23:35	
1.300	2252.861	23:36	
1.317	2252.861	23:37	
1.333	2252.861	23:38	
1.350	2252.861	23:39	
1.367	2252.861	23:40	
1.383	2253.061	23:41	
1.400	2253.061	23:42	
1.417	2252.861	23:43	
1.433	2253.061	23:44	
1.450	2252.861	23:45	
1.467	2252.861	23:46	
1.483	2252.861	23:47	
1.500	2252.861	23:48	
1.517	2252.861	23:49	
1.533	2252.861	23:50	

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TEST ON CLEAN SAND ZONE RUN ONE. GAUGE 0030 SENSING DEPTH 1403.6 M. R.K.B.

DELTA TIME	PRESSURE	TIME	DATE
1.550	2252.861	23:51	6- 7-80
1.567	2252.861	23:52	
1.583	2252.861	23:53	
1.600	2252.861	23:54	
1.617	2253.061	23:55	
1.633	2252.861	23:56	
1.650	2252.661	23:57	
1.667	2252.661	23:58	
1.683	2252.861	23:59	
1.700	2252.861	0: 0	7- 7-80
1.717	2252.861	0: 1	
1.733	2252.861	0: 2	
1.750	2252.661	0: 3	
1.767	2253.061	0: 4	
1.783	2252.661	0: 5	
1.800	2252.861	0: 6	
1.817	2252.861	0: 7	
1.833	2252.861	0: 8	
1.850	2252.661	0: 9	
1.867	2253.061	0:10	
1.883	2253.061	0:11	
1.900	2253.061	0:12	
1.917	2253.061	0:13	
1.933	2252.861	0:14	
1.950	2252.861	0:15	
1.967	2252.861	0:16	
1.983	2253.061	0:17	
2.000	2252.861	0:18	
2.017	2252.661	0:19	
2.033	2253.061	0:20	
2.050	2252.861	0:21	
2.067	2252.861	0:22	
2.083	2252.861	0:23	
2.100	2252.861	0:24	
2.117	2252.661	0:25	
2.133	2252.661	0:26	
2.150	2252.661	0:27	
2.167	2252.861	0:28	
2.183	2252.861	0:29	
2.200	2252.661	0:30	
2.217	2252.861	0:31	
2.233	2252.661	0:32	
2.250	2252.661	0:33	
2.267	2252.661	0:34	
2.283	2252.661	0:35	
2.300	2252.661	0:36	
2.317	2252.661	0:37	

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TEST ON CLEAN SAND ZONE RUN ONE. GAUGE 0030 SENSING DEPTH 1403.6 M. R.K.B.

DELTA TIME	PRESSURE	TIME	DATE
2.333	2252.661	0:38	7- 7-80
2.350	2252.661	0:39	
2.367	2252.661	0:40	
2.383	2252.861	0:41	
2.400	2252.661	0:42	
2.417	2252.661	0:43	
2.433	2252.661	0:44	
2.450	2252.661	0:45	
2.467	2252.661	0:46	
2.483	2252.861	0:47	
2.500	2252.861	0:48	
2.517	2252.661	0:49	
2.533	2252.861	0:50	
2.550	2252.861	0:51	
2.567	2252.861	0:52	
2.583	2252.861	0:53	
2.600	2252.861	0:54	
2.617	2253.061	0:55	
2.633	2252.661	0:56	
2.650	2252.661	0:57	
2.667	2252.661	0:58	
2.683	2252.861	0:59	
2.700	2252.861	1: 0	
2.717	2252.861	1: 1	
2.733	2252.861	1: 2	
2.750	2252.661	1: 3	
2.767	2252.861	1: 4	
2.783	2252.460	1: 5	
2.800	2252.661	1: 6	
2.817	2252.661	1: 7	
2.833	2252.861	1: 8	
2.850	2252.661	1: 9	
2.867	2252.661	1:10	
2.883	2252.861	1:11	
2.900	2252.661	1:12	
2.917	2252.861	1:13	
2.933	2252.861	1:14	
2.950	2252.861	1:15	
2.967	2252.661	1:16	
2.983	2252.661	1:17	
3.000	2252.861	1:18	
3.017	2252.861	1:19	
3.033	2252.661	1:20	
3.050	2252.661	1:21	
3.067	2252.661	1:22	
3.083	2252.861	1:23	
3.100	2252.661	1:24	

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TEST ON CLEAN SAND ZONE RUN ONE. GAUGE 0030 SENSING DEPTH 1403.6 M. R.K.B.

DELTA TIME	PRESSURE	TIME	DATE
3.117	2252.861	1:25	7- 7-80
3.133	2252.661	1:26	
3.150	2252.661	1:27	
3.167	2252.661	1:28	
3.183	2252.661	1:29	
3.200	2252.661	1:30	
3.217	2252.661	1:31	
3.233	2252.861	1:32	
3.250	2252.861	1:33	
3.267	2252.661	1:34	
3.283	2252.861	1:35	
3.300	2252.861	1:36	
3.317	2252.861	1:37	
3.333	2252.861	1:38	
3.350	2252.861	1:39	
3.367	2252.861	1:40	
3.383	2252.861	1:41	
3.400	2252.861	1:42	
3.417	2252.861	1:43	
3.433	2253.061	1:44	
3.450	2253.061	1:45	
3.467	2253.061	1:46	
3.483	2252.861	1:47	
3.500	2252.861	1:48	
3.517	2253.061	1:49	
3.533	2253.061	1:50	
3.550	2252.861	1:51	
3.567	2253.061	1:52	
3.583	2253.061	1:53	
3.600	2252.861	1:54	
3.617	2253.061	1:55	
3.633	2253.061	1:56	
3.650	2252.861	1:57	
3.667	2252.861	1:58	
3.683	2253.061	1:59	
3.700	2253.061	2: 0	
3.717	2253.061	2: 1	
3.733	2253.061	2: 2	
3.750	2252.861	2: 3	
3.767	2253.061	2: 4	
3.783	2252.861	2: 5	
3.800	2252.861	2: 6	
3.817	2252.861	2: 7	
3.833	2252.861	2: 8	
3.850	2252.861	2: 9	
3.867	2252.661	2:10	
3.883	2252.861	2:11	

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TEST ON CLEAN SAND ZONE RUN ONE. GAUGE 0030 SENSING DEPTH 1403.6 M. R.K.B.

DELTA TIME	PRESSURE	TIME	DATE
3.900	2252.861	2:12	7- 7-80
3.917	2252.861	2:13	
3.933	2252.861	2:14	
3.950	2252.861	2:15	
3.967	2252.861	2:16	
3.983	2252.861	2:17	
4.000	2252.861	2:18	
4.017	2252.861	2:19	
4.033	2252.861	2:20	
4.050	2253.061	2:21	
4.067	2253.061	2:22	
4.083	2252.861	2:23	
4.100	2252.861	2:24	
4.117	2252.861	2:25	
4.133	2252.861	2:26	
4.150	2252.861	2:27	
4.167	2252.861	2:28	
4.183	2252.861	2:29	
4.200	2252.861	2:30	
4.217	2252.861	2:31	
4.233	2253.061	2:32	
4.250	2253.061	2:33	
4.267	2252.861	2:34	
4.283	2252.861	2:35	
4.300	2252.861	2:36	
4.317	2252.861	2:37	
4.333	2252.861	2:38	
4.350	2252.861	2:39	
4.367	2252.861	2:40	
4.383	2252.861	2:41	
4.400	2252.661	2:42	
4.417	2253.061	2:43	
4.433	2252.861	2:44	
4.450	2252.861	2:45	
4.467	2253.061	2:46	
4.483	2252.661	2:47	
4.500	2252.661	2:48	
4.517	2252.861	2:49	
4.533	2252.861	2:50	
4.550	2252.861	2:51	
4.567	2252.861	2:52	
4.583	2252.861	2:53	
4.600	2252.661	2:54	
4.617	2252.661	2:55	
4.633	2252.861	2:56	
4.650	2252.661	2:57	
4.667	2252.861	2:58	

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TEST ON CLEAN SAND ZONE RUN ONE. GAUGE 0030 SENSING DEPTH 1403.6 M. R.K.B.

DELTA TIME	PRESSURE	TIME	DATE
4.683	2252.661	2:59	7- 7-80
4.700	2252.861	3: 0	
4.717	2252.861	3: 1	
4.733	2252.661	3: 2	
4.750	2252.861	3: 3	
4.767	2252.861	3: 4	
4.783	2252.861	3: 5	
4.800	2252.861	3: 6	
4.817	2252.861	3: 7	
4.833	2252.861	3: 8	
4.850	2252.861	3: 9	
4.867	2252.861	3:10	
4.883	2252.661	3:11	
4.900	2252.861	3:12	
4.917	2252.861	3:13	
4.933	2252.861	3:14	
4.950	2252.861	3:15	
4.967	2252.861	3:16	
4.983	2252.861	3:17	
5.000	2252.661	3:18	
5.017	2252.861	3:19	
5.033	2252.661	3:20	
5.050	2252.861	3:21	
5.067	2252.861	3:22	
5.083	2252.861	3:23	
5.100	2252.861	3:24	
5.117	2252.661	3:25	
5.133	2252.861	3:26	
5.150	2252.661	3:27	
5.167	2252.861	3:28	
5.183	2252.861	3:29	
5.200	2252.661	3:30	
5.217	2252.661	3:31	
5.233	2252.661	3:32	
5.250	2252.861	3:33	
5.267	2252.861	3:34	
5.283	2252.661	3:35	
5.300	2252.861	3:36	
5.317	2252.861	3:37	
5.333	2252.861	3:38	
5.350	2252.861	3:39	
5.367	2252.861	3:40	
5.383	2252.861	3:41	
5.400	2252.661	3:42	
5.417	2252.861	3:43	
5.433	2252.861	3:44	
5.450	2252.861	3:45	

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TEST ON CLEAN SAND ZONE RUN ONE. GAUGE 0030 SENSING DEPTH 1403.6 M. R.K.B.

DELTA TIME	PRESSURE	TIME	DATE
5.467	2253.061	3:46	7- 7-80
5.483	2252.661	3:47	
5.500	2252.661	3:48	
5.517	2252.661	3:49	
5.533	2252.661	3:50	
5.550	2252.861	3:51	
5.567	2252.861	3:52	
5.583	2252.861	3:53	
5.600	2252.861	3:54	
5.617	2252.861	3:55	
5.633	2252.661	3:56	
5.650	2252.861	3:57	
5.667	2252.861	3:58	
5.683	2252.861	3:59	
5.700	2252.661	4: 0	
5.717	2252.661	4: 1	
5.733	2252.661	4: 2	
5.750	2252.661	4: 3	
5.767	2252.861	4: 4	
5.783	2252.861	4: 5	
5.800	2252.661	4: 6	
5.817	2252.661	4: 7	
5.833	2252.661	4: 8	
5.850	2252.661	4: 9	
5.867	2252.661	4:10	
5.883	2252.861	4:11	
5.900	2252.861	4:12	
5.917	2252.861	4:13	
5.933	2252.661	4:14	
5.950	2252.861	4:15	
5.967	2252.861	4:16	
5.983	2252.861	4:17	
6.000	2252.861	4:18	
6.017	2252.861	4:19	
6.033	2252.661	4:20	
6.050	2252.861	4:21	
6.067	2252.861	4:22	
6.083	2253.061	4:23	
6.100	2252.861	4:24	
6.117	2252.661	4:25	
6.133	2252.861	4:26	
6.150	2252.861	4:27	
6.167	2253.061	4:28	
6.183	2253.061	4:29	
6.200	2252.861	4:30	
6.217	2252.661	4:31	
6.233	2252.861	4:32	

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TEST ON CLEAN SAND ZONE RUN ONE. GAUGE 0030 SENSING DEPTH 1403.6 M. R.K.B.

DELTA TIME	PRESSURE	TIME	DATE
6.250	2252.460	4:33	7- 7-80
6.267	2253.061	4:34	
6.283	2252.861	4:35	
6.300	2252.861	4:36	
6.317	2253.061	4:37	
6.333	2253.061	4:38	
6.350	2252.861	4:39	
6.367	2252.861	4:40	
6.383	2252.861	4:41	
6.400	2253.061	4:42	
6.417	2252.861	4:43	
6.433	2252.861	4:44	
6.450	2253.061	4:45	
6.467	2252.861	4:46	
6.483	2253.061	4:47	
6.500	2253.061	4:48	
6.517	2253.061	4:49	
6.533	2252.861	4:50	

END OF TEST 04:50 7/7/80