

Schlumberger

Job Date: 02-05-2002

Customer: Exxon Mobil
District: Ulysses, KS
Representative: Mr. Richard Lewis
DS Supervisor: Jason Small
Well: Batman 1-3

AcqTime mm:dd:yyyy:hh:mm:ss	TR PRESS psi	SLUR RATE bbl/min	TOT SLUR bbl	N2 RATE scf/min	TOT N2 Mscf	TOT INJ bbl	BH FOAM QUALITY %
02:05:2002:11:15:28	247	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:15:34	Pressure Test Lines						
02:05:2002:11:15:34	243	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:15:48	449	0.1	0.0	0	0.0	0.0	0.0
02:05:2002:11:16:08	1067	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:16:28	1895	0.1	0.0	0	0.0	0.0	0.0
02:05:2002:11:16:48	2628	0.1	0.0	0	0.0	0.0	0.0
02:05:2002:11:17:08	2962	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:17:19	Pressure Test N2 Lines						
02:05:2002:11:17:19	3008	0.1	0.0	0	0.0	0.0	0.0
02:05:2002:11:17:28	2985	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:17:48	2953	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:18:08	2934	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:18:28	2921	0.0	0.0	3807	0.0	0.0	0.0
02:05:2002:11:18:48	2939	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:19:08	2966	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:19:28	2948	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:19:35	Bleedoff N2 Lines						
02:05:2002:11:19:35	2939	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:19:48	2907	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:20:08	2902	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:20:28	2898	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:20:29	Bleedoff Liquid Lines						
02:05:2002:11:20:31	2893	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:20:48	160	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:21:08	183	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:21:28	201	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:21:48	224	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:22:08	247	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:22:28	252	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:22:48	266	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:23:08	284	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:23:28	307	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:23:48	311	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:24:08	320	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:24:28	339	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:24:48	348	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:25:08	362	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:25:28	380	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:25:48	398	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:26:08	417	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:26:28	439	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:26:48	458	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:27:08	476	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:27:28	494	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:27:48	513	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:28:08	526	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:28:28	545	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:28:48	563	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:29:08	572	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:29:28	577	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:29:48	581	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:30:08	591	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:30:28	600	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:30:48	609	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:31:08	613	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:31:28	623	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:31:48	632	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:32:08	641	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:32:28	645	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:32:48	655	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:33:08	664	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:33:28	668	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:33:48	714	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:34:08	18	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:35:06	Well Head Opened						
02:05:2002:11:35:07	23	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:35:28	18	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:36:08	23	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:36:28	18	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:36:48	23	0.0	0.0	0	0.0	0.0	0.0

AcqTime mm:dd:yyyy:hh:mm:ss	TR PRESS psi	SLUR RATE bbl/min	TOT SLUR bbl	N2 RATE scf/min	TOT N2 Mscf	TOT INJ bbl	BH FOAM QUALITY %
02:05:2002:11:38:58	20	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:39:08	43	0.0	0.0	0	0.0	0.0	0.0
02:05:2002:11:39:28	34	0.0	0.0	3744	0.1	0.2	0.0
02:05:2002:11:39:39	N2 @ 13000 scf/min						
02:05:2002:11:39:39	99	0.0	0.0	9200	1.5	3.1	0.0
02:05:2002:11:39:48	151	0.0	0.0	11648	3.0	6.7	0.0
02:05:2002:11:40:00	Start Pumping Liquid						
02:05:2002:11:40:00	196	0.0	0.0	10884	5.4	12.4	0.0
02:05:2002:11:40:08	214	0.9	0.0	11876	6.9	15.8	0.0
02:05:2002:11:40:18	Rate/Psi						
02:05:2002:11:40:18	264	6.0	0.6	13015	9.0	21.3	0.0
02:05:2002:11:40:28	292	7.6	1.8	13119	11.2	27.6	0.0
02:05:2002:11:40:48	358	8.1	4.4	13420	15.6	40.6	0.0
02:05:2002:11:40:49	Rate/Psi						
02:05:2002:11:40:49	360	8.1	4.6	13444	15.8	41.3	0.0
02:05:2002:11:41:08	387	8.1	7.1	13586	20.1	53.9	0.0
02:05:2002:11:41:25	Stage at Perfs: Pad						
02:05:2002:11:41:25	413	8.1	9.4	13609	24.0	65.3	0.0
02:05:2002:11:41:28	415	8.1	9.8	13609	24.7	67.3	0.0
02:05:2002:11:41:46	Increase Pump Rate						
02:05:2002:11:41:46	442	8.1	12.3	13600	28.8	79.4	99.0
02:05:2002:11:41:48	445	8.1	12.5	13596	29.2	80.7	97.6
02:05:2002:11:42:08	566	11.9	15.4	22274	34.5	95.8	80.0
02:05:2002:11:42:28	818	16.1	20.5	27000	42.8	120.1	79.9
02:05:2002:11:42:30	Rate/Psi						
02:05:2002:11:42:30	844	16.1	21.0	27119	43.7	122.8	79.9
02:05:2002:11:42:48	1097	16.0	25.8	27479	52.0	147.0	79.9
02:05:2002:11:43:00	Rate/Psi						
02:05:2002:11:43:00	1247	15.9	29.0	27404	57.4	163.2	80.5
02:05:2002:11:43:08	1329	15.9	31.1	27362	61.1	173.9	79.5
02:05:2002:11:43:28	1482	15.9	36.4	27358	70.2	200.7	80.0
02:05:2002:11:43:42	Rate/Psi						
02:05:2002:11:43:42	1575	15.9	40.1	27343	76.6	219.5	80.1
02:05:2002:11:43:48	1611	15.8	41.7	27335	79.3	227.5	80.2
02:05:2002:11:44:08	1708	15.9	47.0	27323	88.4	254.3	80.2
02:05:2002:11:44:19	Rate/Psi						
02:05:2002:11:44:19	1756	15.9	49.9	27323	93.4	269.0	80.2
02:05:2002:11:44:28	1791	15.9	52.3	27323	97.5	281.0	80.3
02:05:2002:11:44:48	1846	15.9	57.6	27313	106.7	307.8	80.3
02:05:2002:11:45:08	1881	15.8	62.9	27316	115.8	334.5	80.2
02:05:2002:11:45:28	1901	15.8	68.1	27381	124.9	361.3	80.2
02:05:2002:11:45:35	Rate/Psi (1910 Max Psi)						
02:05:2002:11:45:35	1906	15.8	70.0	27386	128.1	370.7	80.2
02:05:2002:11:45:48	1909	15.8	73.4	27396	134.0	388.1	80.3
02:05:2002:11:46:08	1884	15.8	78.7	27403	143.1	414.9	80.3
02:05:2002:11:46:28	1859	15.9	84.0	27403	152.3	441.8	80.3
02:05:2002:11:46:48	1851	15.9	89.3	27414	161.4	468.6	80.3
02:05:2002:11:47:08	1847	15.9	94.6	27412	170.5	495.4	80.3
02:05:2002:11:47:28	1840	15.9	99.8	27412	179.7	522.3	80.3
02:05:2002:11:47:48	1830	15.9	105.1	27414	188.8	549.1	80.3
02:05:2002:11:48:08	1822	15.9	110.4	27414	198.0	575.9	80.3
02:05:2002:11:48:28	1816	15.9	115.7	27417	207.1	602.8	80.3
02:05:2002:11:48:48	1808	15.9	121.0	27419	216.2	629.6	80.3
02:05:2002:11:49:08	Rate/Psi						
02:05:2002:11:49:08	1796	15.9	126.3	27424	225.4	656.5	80.3
02:05:2002:11:49:28	1786	15.9	131.6	27428	234.5	683.3	80.3
02:05:2002:11:49:48	1775	15.9	136.8	27425	243.7	710.2	80.3
02:05:2002:11:50:08	1766	15.9	142.1	27443	252.8	737.0	80.3
02:05:2002:11:50:28	1753	15.9	147.4	27444	262.0	763.9	80.3
02:05:2002:11:50:48	1740	15.9	152.7	27444	271.1	790.8	80.3
02:05:2002:11:51:07	Rate/Psi						
02:05:2002:11:51:07	1731	15.9	157.7	27430	279.8	816.3	80.3
02:05:2002:11:51:08	1731	15.9	158.0	27428	280.2	817.6	80.3
02:05:2002:11:51:28	1723	15.9	163.3	27435	289.4	844.5	80.3
02:05:2002:11:51:48	1720	15.9	168.6	27438	298.5	871.3	80.3
02:05:2002:11:52:08	1712	15.9	173.9	27433	307.7	898.2	80.3
02:05:2002:11:52:28	1700	15.9	179.2	27434	316.8	925.1	80.3
02:05:2002:11:52:48	Rate/Psi						
02:05:2002:11:52:48	1680	15.9	184.5	27433	326.0	952.0	80.3
02:05:2002:11:53:08	1668	15.9	189.8	27435	335.1	978.8	80.3
02:05:2002:11:53:28	1659	15.9	195.1	27432	344.3	1005.7	80.3
02:05:2002:11:53:48	1653	15.9	200.4	27436	353.4	1032.6	80.3
02:05:2002:11:54:08	1648	15.9	205.7	27434	362.5	1059.5	80.3
02:05:2002:11:54:28	1644	15.9	211.1	27433	371.7	1086.3	80.2
02:05:2002:11:54:48	1641	15.9	216.4	27399	380.8	1113.2	80.2
02:05:2002:11:55:08	1636	15.9	221.7	27350	390.0	1140.0	80.2
02:05:2002:11:55:10	Rate/Psi						
02:05:2002:11:55:10	1635	15.9	222.2	27347	390.9	1142.7	80.2