

Operator	Cub Creek Energy, LLC
Well	Litzenberger #7
API	05-123-42780
Formation	Niobrara



Stage	TotalClean	TotalSlurry	PumpDownVol	F_ISIP	F_5Min	F_FG	TotallbsWeight@rop	40/70 White Actual Weight	20/40 White Actual Weight	AvePSI	AveRate	MaxRate	MaxHHP	StartFrac	EndFrac
1	4,547	4,883	347	4,027	3,809	1.003	280,010	116,120	163,890	7,209	80.0	80.9	14,814	2/18/18 4:34	2/18/18 5:53
2	4,443	4,766	241	4,055	3,827	1.007	280,680	116,620	164,060	7,525	79.8	81.3	15,452	2/18/18 13:29	2/18/18 14:44
3	4,510	4,847	230	4,341	3,970	1.047	280,090	115,880	164,210	7,622	79.5	80.3	15,238	2/18/18 22:17	2/18/18 23:35
4	4,469	4,813	206	4,208	3,884	1.028	279,680	115,710	163,970	7,587	80.0	81.2	15,966	2/19/18 6:19	2/19/18 7:36
5	4,495	4,842	246	4,259	4,073	1.035	279,530	115,610	163,920	7,640	79.9	80.5	15,240	2/19/18 15:03	2/19/18 16:19
6	5,647	5,997	291	4,437	4,136	1.060	279,960	116,080	163,880	7,576	79.2	81.5	15,570	2/20/18 2:14	2/20/18 10:07
7	4,645	4,994	201	4,365	4,174	1.049	280,040	116,060	163,980	7,853	77.4	79.9	15,940	2/20/18 17:01	2/20/18 18:27
8	4,979	5,312	254	4,380	4,131	1.051	279,970	115,800	164,170	7,620	79.3	81.0	16,135	2/21/18 1:45	2/21/18 3:09
9	5,062	5,399	256	4,215	4,023	1.027	280,200	116,060	164,140	7,819	77.4	78.9	15,853	2/21/18 11:03	2/21/18 12:28
10	4,623	4,977	269	4,426	4,095	1.057	280,250	116,360	163,890	7,863	79.8	80.8	16,015	2/22/18 4:39	2/22/18 5:59
11	4,827	5,170	273	4,464	4,181	1.062	279,880	115,730	164,150	7,755	79.7	81.5	16,394	2/22/18 13:41	2/22/18 15:06
12	5,025	5,374	249	4,621	4,284	1.083	279,740	116,000	163,740	7,320	79.9	81.6	15,372	2/22/18 22:16	2/22/18 23:52
13	4,465	4,795	151	4,358	4,063	1.045	280,310	116,060	164,250	7,446	79.8	81.0	15,730	2/23/18 5:57	2/23/18 7:14
14	4,445	4,797	141	4,466	4,297	1.059	279,780	115,900	163,880	7,112	80.1	80.8	16,325	2/23/18 15:08	2/23/18 16:24
15	4,586	4,918	168	4,384	4,106	1.046	280,370	116,320	164,050	7,186	79.5	80.8	15,323	2/24/18 0:09	2/24/18 1:26
16	4,671	4,999	252	4,318	3,482	1.035	280,520	115,920	164,600	6,694	79.8	81.1	13,739	3/6/18 16:40	3/6/18 18:03
17	4,534	4,902	185	4,580	4,354	1.071	279,430	115,400	164,030	6,808	79.7	80.7	13,752	3/6/18 23:54	3/7/18 1:11
18	4,719	5,080	154	4,702	4,450	1.088	280,180	116,160	164,020	6,791	79.2	80.2	14,134	3/7/18 5:49	3/7/18 7:22
19	4,568	4,919	143	4,672	4,484	1.083	279,610	116,160	163,450	7,301	79.4	80.1	14,725	3/7/18 13:17	3/7/18 14:35
20	4,363	4,725	115	4,806	4,566	1.102	280,650	116,200	164,450	7,556	79.3	80.7	14,945	3/7/18 19:14	3/7/18 20:32
21	4,317	4,689	123	4,992	4,620	1.129	280,840	116,050	164,790	7,699	79.7	80.8	14,835	3/8/18 3:49	3/8/18 5:03
22	4,536	4,893	90	5,042	4,536	1.136	278,920	116,030	162,890	7,748	78.9	80.9	16,253	3/8/18 10:16	3/8/18 11:32
23	4,340	4,696	94	4,792	4,567	1.101	280,720	116,720	164,000	7,282	79.8	81.0	14,124	3/8/18 15:55	3/8/18 17:13
24	4,295	4,659	106	4,757	4,552	1.096	279,000	115,320	163,680	7,136	79.7	80.9	14,714	3/8/18 22:00	3/8/18 23:13
25	4,265	4,615	85	4,733	4,557	1.093	280,310	115,920	164,390	7,205	79.3	81.0	15,384	3/9/18 3:27	3/9/18 4:40
26	4,477	4,831	49	4,789	4,551	1.101	279,730	115,970	163,760	7,217	79.6	80.4	14,565	3/9/18 9:18	3/9/18 10:37
27	4,242	4,588	35	4,850	4,615	1.109	279,670	115,870	163,800	7,256	80.1	80.7	15,227	3/9/18 16:17	3/9/18 17:31
28	4,298	4,661	117	4,619	4,223	1.077	279,970	115,990	163,980	6,870	79.9	81.5	14,359	3/9/18 21:20	3/9/18 22:44

Min	4,242	4,588	35	4,027	3,482	1.003	278,920	115,320	162,890	6,694	77	79	13,739		
Max	5,647	5,997	347	5,042	4,620	1.136	280,840	116,720	164,790	7,863	80	82	16,394		
Average	4,585	4,934	181	4,524	4,236	1.067	280,001	116,001	164,001	7,382	79	81	15,219		
Totals	128,393	138,141	5,071	126,658	118,610	30	7,840,040	3,248,020	4,592,020	206,694	2,226	2,262	426,123		

Operator	Cub Creek Energy, LLC
Well	Litzenberger #7
API	05-123-42780
Formation	Niobrara

Stage	Actual Flush	Treated Water Vol	LibertyFR Vol	22# Justice Vol	23# Justice Vol	Frac&PD_HCL-15	Frac&PD_FRP-E3 8	Frac&PD_Aquar 714	Frac&PD_SFT-82	Frac&PD_CSA-23	Frac&PD_LG A-3J	Frac&PD_SA FE-BFH	Frac&PD_XL B-88	Frac&PD_B HL-68W
1	301	385	649	3,496		740	11	31	215	140	693	76	220	127
2	307	274	668		3,484	724	21	39	261	174	805	87	258	144
3	287	267	641		3,584	716	19	39	265	175	889	99	281	153
4	290	245	642		3,565	721	20	39	264	179	850	96	280	150
5	283	278	646		3,554	724	20	40	266	175	849	97	276	149
6	277	320	1,041		4,268	711	33	49	333	224	1,032	117	332	179
7	279	255	646		3,728	759	20	39	269	184	894	102	290	157
8	277	279	649		4,034	724	24	42	288	201	972	110	305	170
9	267	290	525		4,229	724	17	44	296	204	989	117	326	178
10	270	330	622		3,654	724	16	42	266	181	887	102	287	154
11	258	315	612		3,883	724	21	38	270	194	932	109	310	169
12	259	285	614		3,815	724	27	39	256	193	926	106	333	159
13	253	190	605		3,653	724	18	37	273	180	873	99	281	156
14	246	175	582		3,671	724	17	37	273	183	859	99	279	154
15	246	200	596		3,773	724	22	38	270	189	864	108	292	163
16	249	298	621		3,736	724	22	35	276	183	894	97	286	165
17	344	200	665		3,651	724	22	36	279	189	873	88	280	145
18	229	189	577		3,850	724	18	40	284	190	951	105	299	165
19	227	182	581		3,788	724	23	39	273	174	905	103	283	159
20	224	130	597		3,615	724	20	38	261	179	861	87	274	151
21	227	139	584		3,577	741	18	36	261	178	870	88	279	149
22	224	127	578		3,814	711	21	33	272	181	943	98	288	158
23	237	135	589		3,599	724	22	34	252	172	865	102	278	161
24	216	134	577		3,568	724	19	32	255	167	829	100	276	150
25	205	127	516		3,605	710	18	34	262	170	888	100	278	156
26	207	84	807		3,569	708	27	37	271	178	846	95	277	144
27	198	99	541		3,585	724	17	30	237	218	856	99	275	142
28	223	123	555		3,603	741	15	34	298	158	861	103	280	155

Min	198	84	516	3,496	3,484	708	11	30	215	140	693	76	220	127
Max	344	385	1,041	3,496	4,268	759	33	49	333	224	1,032	117	333	179
Average	254	216	626	3,496	3,720	725	20	38	270	183	884	100	286	156
Totals	7,106	6,055	17,526	3,496	100,451	20,290	568	1,051	7,546	5,113	24,756	2,789	8,003	4,362