

Operator	Cub Creek Energy, LLC
Well	Litzenberger #6
API	05-123-42778
Formation	Niobrara
Date	



Stage	TotalClean	TotalSlurry	PumpDownVol	F_ISIP	F_5Min	F_FG	TotallbsWeight Prop	40/70 White Actual Weight	20/40 White Actual Weight	AvePSI	AveRate	MaxRate	MaxHHP	StartFrac	EndFrac
1	4685	5026	659	4008	3580	0.991	280020	116060	163960	7074	79.4	80.3	14586	2/18/18 1:35	2/18/18 2:51
2	4456	4781	263	4132	3858	1.009	280430	116050	164380	7337	79.9	82.4	15251	2/18/18 11:34	2/18/18 12:52
3	4548	4883	261	4276	3829	1.029	279760	116000	163760	7411	79.4	80.3	15156	2/18/18 19:48	2/18/18 21:06
4	4686	5026	230	3946	3799	0.984	280010	116070	163940	7477	79.5	81.0	16038	2/19/18 3:55	2/19/18 5:16
5	4537	4880	267	4190	3988	1.018	279880	115990	163890	7163	79.8	80.8	14814	2/19/18 13:03	2/19/18 14:22
6	5714	6053	312	4311	4062	1.035	280980	116040	164940	7012	79.5	80.8	14327	2/19/18 22:14	2/20/18 1:03
7	4576	4937	292	4130	3922	1.010	279790	115960	163830	7101	79.9	81.7	15125	2/20/18 6:54	2/20/18 8:11
8	4508	4848	247	4187	3984	1.018	280040	116100	163940	7334	79.8	80.7	14976	2/20/18 14:56	2/20/18 16:11
9	4565	4902	273	4100	3967	1.005	280210	116640	163570	7010	79.9	80.9	14367	2/20/18 23:47	2/21/18 1:00
10	4555	4888	266	4218	4011	1.022	279030	115270	163760	7059	80.1	80.9	14266	2/21/18 8:23	2/21/18 9:42
11	4593	4924	246	4264	4072	1.029	279780	115760	164020	6974	79.7	81.1	14546	2/21/18 16:55	2/21/18 18:14
12	4818	5142	279	4316	4103	1.037	279860	116120	163740	7253	79.8	81.0	16572	2/22/18 6:56	2/22/18 8:16
13	4622	4944	313	4178	4044	1.019	280070	115830	164240	7115	80.1	80.9	15894	2/22/18 15:36	2/22/18 16:54
14	4608	4955	181	4267	4043	1.032	280070	115900	164170	7121	80.0	81.1	15450	2/23/18 0:37	2/23/18 2:01
15	4555	4884	141	4244	4054	1.029	280600	116370	164230	7146	79.9	80.9	16406	2/23/18 8:15	2/23/18 9:35
16	4454	4806	129	4354	4189	1.045	279150	115640	163510	6726	79.8	80.8	14130	2/23/18 16:57	2/23/18 18:15
17	4699	5031	124	4541	4292	1.071	280380	116400	163980	7177	79.2	80.7	14994	2/24/18 2:08	2/24/18 3:28
18	4458	4785	109	4335	4137	1.043	279790	115700	164090	6845	80.2	81.3	15051	2/24/18 13:20	2/24/18 14:35
19	4434	4782	114	4306	4154	1.039	280400	116260	164140	6830	79.9	80.6	15428	2/24/18 18:46	2/24/18 20:03
20	4405	4746	104	4571	4354	1.077	280070	116000	164070	6964	80.1	81.3	15360	2/25/18 1:08	2/25/18 2:23
21	4383	4721	95	4556	4289	1.075	279860	115860	164000	7086	80.4	81.2	16136	2/25/18 6:57	2/25/18 8:13
22	4494	4818	87	4462	4134	1.062	279560	115420	164140	6770	80.1	81.0	16203	2/25/18 15:09	2/25/18 16:28
23	4619	4959	85	4546	4275	1.074	280390	116600	163790	6811	80.1	80.9	15222	2/25/18 21:18	2/25/18 22:49
24	4387	4728	82	4417	4212	1.057	279870	115750	164120	6509	80.1	80.9	14851	2/26/18 2:41	2/26/18 3:54
25	4422	4755	147	4250	4033	1.033	279750	116010	163740	6550	80.3	81.6	15370	2/26/18 8:50	2/26/18 10:11
26	4366	4691	94	4232	4073	1.031	280250	116270	163980	6367	80.2	81.0	13927	2/26/18 16:49	2/26/18 18:02
27	4490	4849	199	4442	4263	1.061	280120	115860	164260	6494	80.2	81.0	13799	2/27/18 4:16	2/27/18 5:32
28	4310	4650	47	4647	4293	1.090	280010	116140	163870	6753	80.3	81.3	14673	2/27/18 10:10	2/27/18 11:35

Min	4,310	4,650	47	3,946	3,580	1	279,030	115,270	163,510	6,367	79	80	13,799	2/18/2018	2/18/2018
Max	5,714	6,053	659	4,647	4,354	1	280,980	116,640	164,940	7,477	80	82	16,572	2/27/2018	2/27/2018
Average	4,570	4,907	202	4,301	4,072	1	280,005	116,003	164,002	6,981	80	81	15,104		
Totals	127,947	137,394	5,646	120,426	114,014	29	7,840,130	3,248,070	4,592,060	195,471	2,238	2,268	422,918		

Actual Flush	Treated Water Vol	LibertyFR Vol	22# Justice Vol	23# Justice Vol	Frac&PD_HCL-15	Frac&PD_FRP-E3-8	Frac&PD_Aquacorr 714	Frac&PD_SFT-82	Frac&PD_CSA-23	Frac&PD_LGA-3J	Frac&PD_SAFE-BFH	Frac&PD_XLB-88	Frac&PD_BHL-68W
294	681	650	3336		724	21	36	218	145	660	72	209	118
293	288	645		3506	724	20	37	259	172	848	96	274	147
285	297	638		3596	705	17	39	265	173	868	99	279	152
291	260	643		3765	741	20	40	275	184	908	104	293	157
289	313	639		3568	724	20	39	268	177	861	96	277	151
276	357	900		4441	721	27	41	287	188	863	98	281	150
284	328	632		3599	720	20	39	266	180	871	99	283	152
276	280	625		3585	741	19	38	268	177	869	98	285	151
273	304	627		3617	724	20	39	265	181	864	99	285	152
263	323	636		3579	724	19	39	261	180	868	97	281	141
264	278	622		3675	724	24	38	253	186	840	108	287	160
259	341	614		3845	724	21	40	276	191	927	108	303	166
256	350	608		3647	710	18	33	263	182	871	108	285	157
255	217	601		3772	724	19	37	264	188	887	105	290	159
249	179	591		3768	724	19	39	272	186	903	106	293	163
247	163	601		3673	724	14	32	259	180	867	97	278	150
243	155	596		3931	724	21	38	277	193	897	112	280	157
239	127	580		3734	724	13	33	276	178	887	105	281	157
237	151	591		3675	724	18	35	271	172	903	102	282	154
231	135	582		3671	724	18	36	275	184	867	103	285	157
231	133	579		3654	724	18	37	268	182	863	104	281	159
230	132	598		3747	724	19	42	290	189	889	92	284	159
217	114	571		3917	724	24	37	263	184	872	104	281	157
222	116	577		3677	724	21	35	268	174	846	103	282	154
218	180	570		3655	727	18	39	276	175	865	100	282	160
208	124	564		3662	724	18	32	264	183	872	101	279	158
212	239	554		3680	724	20	36	265	185	887	94	279	154
199	82	552		3659	725	20	32	273	182	889	98	280	150

199	82	552	3,336	3,506	705	13	32	218	145	660	72	209	118
294	681	900	3,336	4,441	741	27	42	290	193	927	112	303	166
251	237	614	3,336	3,715	724	20	37	267	180	868	100	281	154
7,040	6,644	17,187	3,336	100,297	20,270	546	1,038	7,485	5,051	24,312	2,808	7,859	4,302