

Operator	Cub Creek Energy, LLC
Well	Litzenberger #4
API	05-123-42784
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	6399	6797	664	4004	3600	0.998	307430	176280	131150	7111	79.2	80.8	14333	2/11/18 1:46	2/11/18 3:26
2	6884	7348	589	4669	4145	1.092	358220	176230	181990	7195	79.6	83.1	15628	2/11/18 11:02	2/11/18 13:10
3	5285	5699	305	4199	3721	1.025	358270	176250	182020	6962	79.7	81.1	13541	2/11/18 22:23	2/11/18 23:49
4	5413	5843	237	3937	3638	0.988	358720	176510	182210	7278	79.8	82.2	15715	2/12/18 5:38	2/12/18 7:07
5	4978	5350	241	3635	3444	0.946	306000	142020	163980	6862	79.7	82.5	15215	2/12/18 11:43	2/12/18 13:07
6	5038	5389	231	3868	3596	0.979	306080	142020	164060	6905	79.6	80.3	16083	2/12/18 17:45	2/12/18 19:09
7	4991	5361	224	3905	3605	0.984	306000	141660	164340	6969	79.6	80.7	15325	2/13/18 0:07	2/13/18 1:29
8	5009	5379	215	3985	3770	0.996	306520	142260	164260	6860	80.1	81.0	15967	2/13/18 6:21	2/13/18 7:43
9	5217	5546	218	4065	3694	1.007	306040	141920	164120	7319	79.5	80.7	16160	2/13/18 18:06	2/13/18 19:32
10	4918	5299	178	4016	3830	0.999	306080	142010	164070	6623	79.9	80.6	14330	2/13/18 23:52	2/14/18 1:12
11	4985	5359	348	3986	3756	0.995	306050	141720	164330	6940	79.8	81.6	14963	2/14/18 5:34	2/14/18 6:57
12	4809	5184	192	3898	3687	0.982	306220	141760	164460	6847	79.9	82.5	15064	2/14/18 9:14	2/14/18 10:35
13	4937	5291	167	3939	3824	0.987	305790	141750	164040	7120	80.2	82.0	16018	2/14/18 13:37	2/14/18 15:00
14	4788	5143	162	4019	3730	0.997	306120	142230	163890	6840	80.0	81.4	15544	2/14/18 17:45	2/14/18 19:03
15	4845	5207	132	4144	3833	1.014	305960	142000	163960	6693	79.8	80.8	15680	2/14/18 21:12	2/14/18 22:32
16	4841	5212	127	4088	3776	1.006	306060	142140	163920	6691	79.9	80.7	15094	2/15/18 0:39	2/15/18 1:59
17	4833	5206	115	4024	3757	0.997	306120	142100	164020	6770	79.8	81.0	14737	2/15/18 4:11	2/15/18 5:32
18	4725	5096	126	4186	3993	1.019	305610	142120	163490	6677	79.9	80.9	13978	2/15/18 8:26	2/15/18 9:47
19	4707	5086	108	3925	3749	0.982	306080	142120	163960	6788	80.1	81.0	15748	2/15/18 12:06	2/15/18 13:26
20	4677	5040	101	4196	3763	1.019	305640	141720	163920	6927	79.9	80.9	16124	2/15/18 15:43	2/15/18 17:01
21	4779	5147	94	3978	3546	0.988	305990	142300	163690	6855	79.3	80.7	15260	2/15/18 19:27	2/15/18 20:50
22	4778	5137	82	4088	3791	1.003	305460	142050	163410	6393	79.8	80.8	13978	2/15/18 23:55	2/16/18 1:19
23	4775	5149	71	3762	3749	0.957	306160	141680	164480	6651	80.2	81.6	16154	2/16/18 3:24	2/16/18 4:46
24	4651	5031	70	3870	3535	0.972	305890	142190	163700	6447	80.3	81.6	16396	2/16/18 6:53	2/16/18 8:20
25	4648	5022	63	3563	3463	0.929	305920	142080	163840	6131	79.8	80.7	14117	2/16/18 10:37	2/16/18 11:54
26	4633	4999	52	3843	3627	0.968	305584	141920	163664	6020	79.9	80.9	14126	2/16/18 14:30	2/16/18 16:00
27	4643	5017	47	4162	3747	1.012	306030	142030	164000	6173	79.8	80.5	13951	2/16/18 18:50	2/16/18 20:10
28	5259	5629	38	4370	3665	1.040	306020	141960	164060	6441	79.7	81.0	13823	2/16/18 22:30	2/17/18 0:27

Min	4,633	4,999	38	3,563	3,444	1	305,460	141,660	131,150	6,020	79	80	13,541	43,142	43,142
Max	6,884	7,348	664	4,669	4,145	1	358,720	176,510	182,210	7,319	80	83	16,396	43,148	43,148
Average	5,016	5,392	186	4,012	3,716	1	311,645	146,894	164,751	6,767	80	81	15,109	43,146	43,146
Totals	140,445	150,966	5,197	112,324	104,034	28	8,726,064	4,113,030	4,613,034	189,487	2,235	2,273	423,052	1,208,074	1,208,076