

Operator	Cub Creek Energy, LLC
Well	Litzenberger #17
API	05-123-42783
Formation	Codell
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	4889	5358	279	3467	3322	0.911	306380	142110	164270	6619	80.4	81.1	13527	1/31/18 9:29	1/31/18 10:52
2	4766	5232	240	3577	3452	0.926	305720	141840	163880	6719	79.8	80.5	13652	1/31/18 18:00	1/31/18 19:20
3	4727	5199	200	3778	3631	0.953	305890	141860	164030	6640	79.5	80.2	13528	2/1/18 1:59	2/1/18 3:19
4	4828	5311	227	3949	3634	0.976	305920	142180	163740	6906	80.3	81.4	14165	2/1/18 9:33	2/1/18 10:54
5	4736	5197	194	3790	3617	0.954	305940	142050	163890	6630	79.8	80.4	13564	2/1/18 17:54	2/1/18 19:14
6	4659	5128	165	3860	3639	0.964	306460	142440	164020	6937	79.7	81.3	14561	2/2/18 1:31	2/2/18 2:50
7	4538	5011	193	3869	3576	0.965	305730	141680	164050	6767	80.4	81.5	14103	2/2/18 9:44	2/2/18 11:02
8	4666	5127	166	3726	3603	0.944	305930	141870	164060	6651	79.7	80.3	13813	2/2/18 22:02	2/2/18 23:19
9	4601	5065	136	3905	3715	0.967	306410	142090	164320	6718	80.0	81.2	15305	2/3/18 5:31	2/3/18 6:49
10	4708	5188	141	4057	3908	0.986	305730	141850	163880	6811	80.0	80.8	14281	2/3/18 13:10	2/3/18 14:27
11	4624	5101	147	3988	3853	0.977	306030	141910	164120	6709	79.9	80.7	14232	2/3/18 21:32	2/3/18 22:50
12	4483	4961	102	4117	3938	0.995	306160	142490	163670	6878	80.0	80.7	15056	2/4/18 5:19	2/4/18 6:38
13	4470	4941	118	4078	3798	0.990	305990	141630	164360	6682	80.0	80.6	13794	2/4/18 14:13	2/4/18 15:28
14	4587	5064	115	3856	3716	0.960	305440	141760	163680	6484	79.9	80.5	13940	2/4/18 21:37	2/4/18 22:55
15	4478	4952	81	3938	3774	0.970	306500	142140	164360	6224	79.8	80.3	13297	2/5/18 4:58	2/5/18 6:13
16	4568	5055	81	3717	3570	0.940	305640	142140	163500	6204	80.0	80.7	14012	2/5/18 12:54	2/5/18 14:11
17	4594	5071	74	3592	3455	0.922	306190	142220	163970	6770	78.0	80.4	15191	2/5/18 20:29	2/5/18 21:50
18	4516	4997	48	3772	3570	0.945	305750	141620	164130	5992	80.1	80.7	13705	2/6/18 4:33	2/6/18 5:50
19	4555	5051	65	3882	3645	0.960	306220	142300	163920	6074	79.9	80.6	14778	2/6/18 12:40	2/6/18 13:56
20	4490	4971	51	3761	3604	0.943	305960	141800	164160	6228	80.3	80.8	14643	2/6/18 19:52	2/6/18 21:05
Min	4,470	4,941	48	3,467	3,322	0.911	305,440	141,620	163,500	5,992	78.0	80.2	13,297	1/31/18 9:29	1/31/18 10:52
Max	4,889	5,358	279	4,117	3,938	0.995	306,500	142,490	164,360	6,937	80.4	81.5	15,305	2/6/18 19:52	2/6/18 21:05
Average	4,624	5,099	141	3,834	3,651	0.957	306,000	141,999	164,001	6,582	79.9	80.7	14,157	2/3/18 15:57	2/3/18 17:15
Totals	92,483	101,980	2,823	76,679	73,020	19.149	6,119,990	2,839,980	3,280,010	131,643	1,597.5	1,614.6	283,147	12/20/61 7:00	12/21/61 9:02

Actual Flush	Treated Water Vol	LibertyFR Vol	22# Justice Vol	23# Justice Vol	Frac&PD_HCL-15	Frac&PD_FRP-E3-8	Frac&PD_Aquacur 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
322.0	317	699	3856		729	25	42	297	189	893	97	282	165
302.4	240	658	3868			13	39	271	183	913	101	280	163
304.2	200	645	3882			21	39	273	184	901	99	280	165
361.8	227	728	3873			20	38	290	192	888	104	286	167
288.5	194	641	3901			20	41	290	190	895	100	283	166
280.7	165	623	3872			21	41	280	191	891	99	279	166
277.9	193	582	3763			22	38	268	189	858	96	276	163
274.6	166	611	3889			17	38	283	194	889	101	284	164
280.5	136	641	3824			19	40	265	191	887	102	279	164
265.6	141	783	3784			23	40	283	197	858	101	278	159
261.0	147	610	3867			18	40	287	188	889	95	280	162
257.0	102	607	3774			17	39	270	195	868	101	276	163
242.7	118	592	3760			18	39	272	192	849	101	275	163
239.9	115	598	3874			19	39	286	187	897	99	281	167
250.0	81	604	3793			19	38	280	192	849	95	277	163
231.7	81	563	3924			19	39	285	193	890	95	278	164
230.2	74	576		3944		18	40	283	190	971	111	301	170
228.4	48	578		3890		20	42	283	196	940	111	298	168
220.2	65	563		3927		18	39	285	195	951	106	305	169
203.1	51	572		3867		18	38	283	187	930	107	295	163
203.1	48	563	3,760	3,867	729	13	38	265	183	849	95	275	159
361.8	317	783	3,924	3,944	729	25	42	297	197	971	111	305	170
266.1	143	624	3,844	3,907	729	19	39	281	191	895	101	284	165
5,322.4	2,861	12,472	61,505	15,628	729	385	789	5,614	3,815	17,907	2,021	5,673	3,294