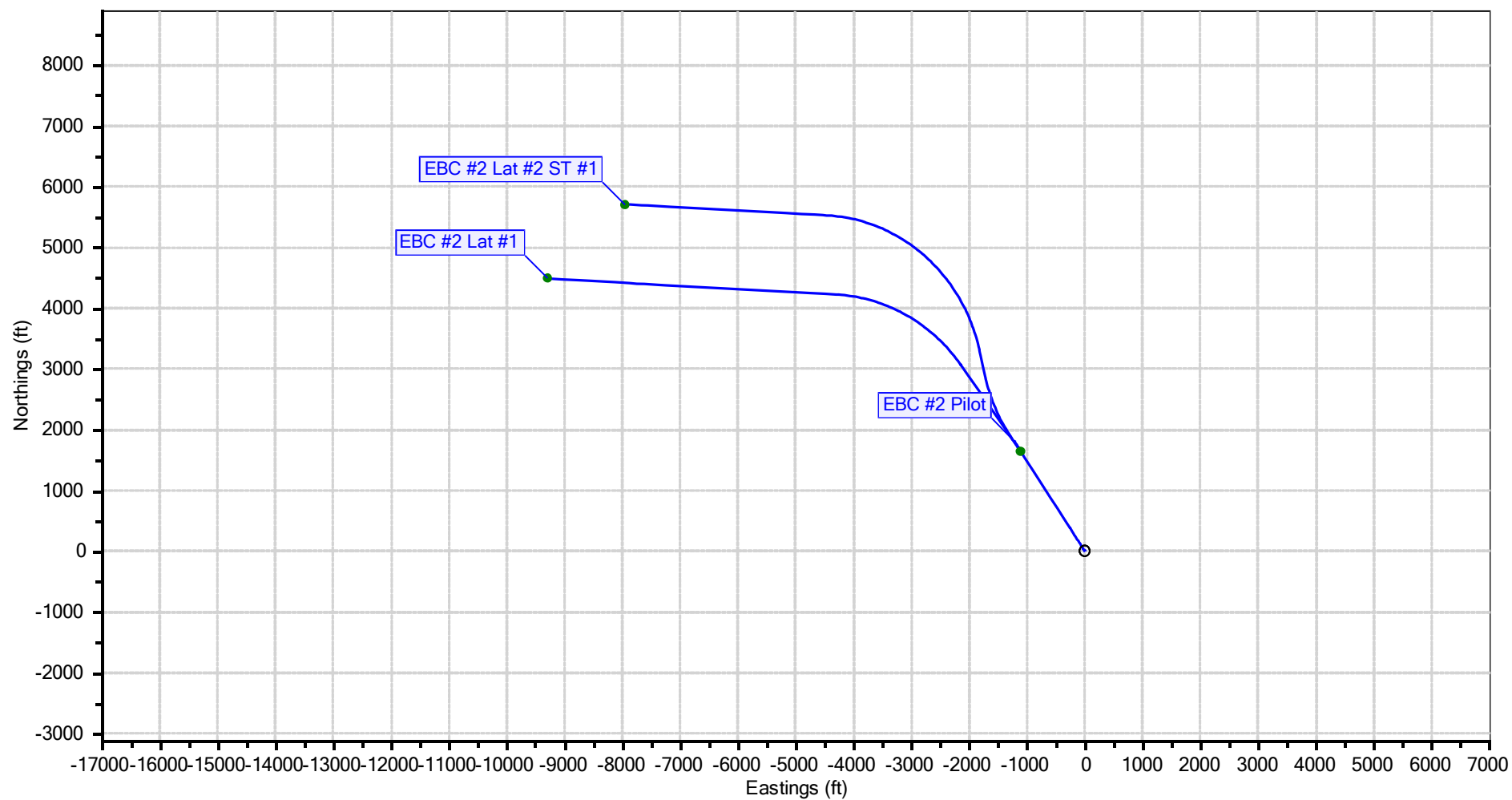


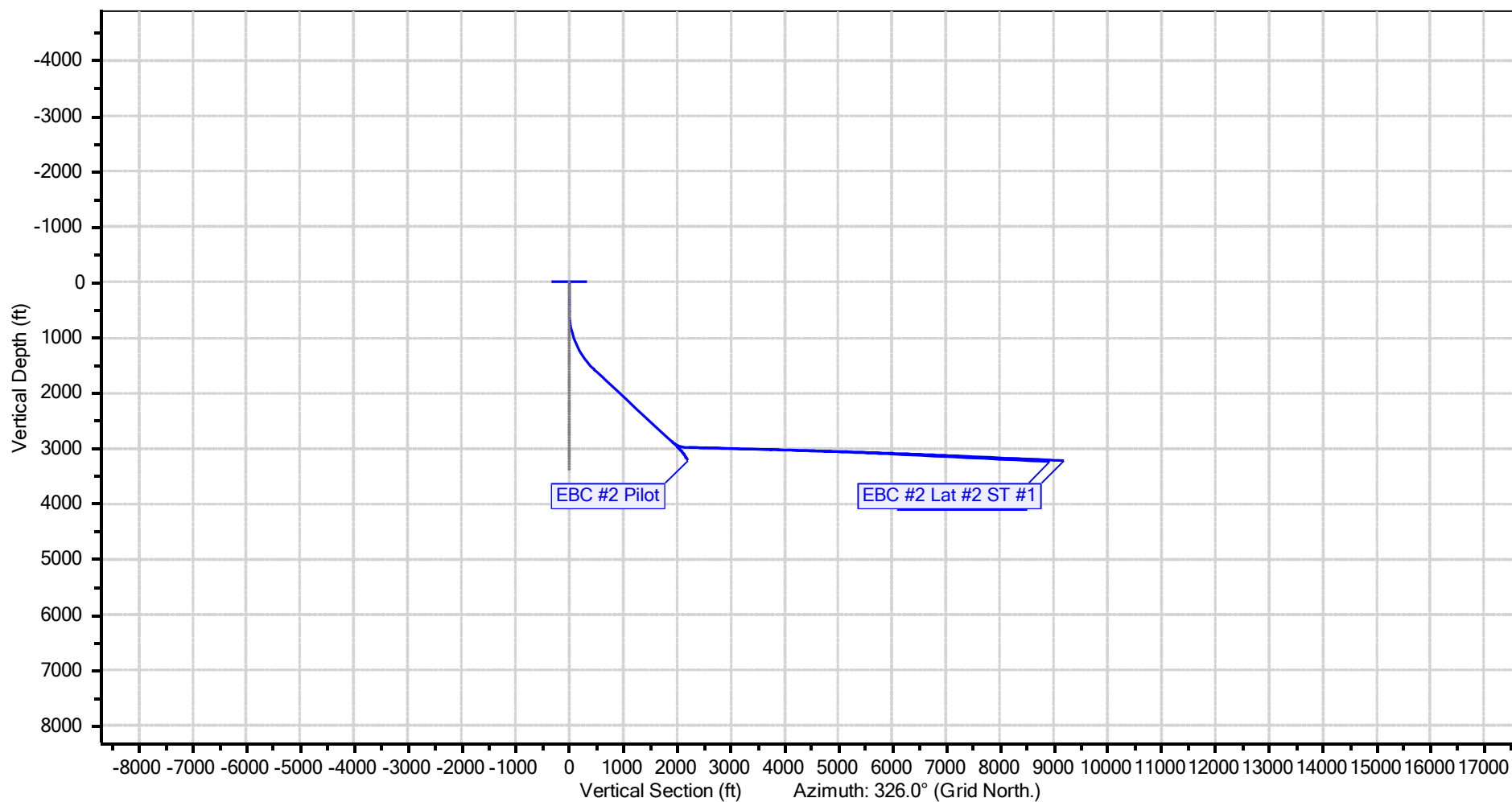
**East Bull Creek Well  
EBC Pad 3  
EBC #2  
EBC #2 Lat #2 ST #1**

## **Catamount Energy Partners Proposal Report**

EBC Pad 3, EBC #2



## EBC Pad 3, EBC #2



# Catamount Energy Partners

## Proposal Report



<b>Database:</b>	San Juan Basin	<b>Local Coordinate Reference:</b>	EBC #2
<b>Company:</b>		<b>TVD Reference:</b>	EBC #2
<b>Project:</b>	East Bull Creek Well	<b>MD Reference:</b>	EBC #2
<b>Site:</b>	EBC Pad 3	<b>North reference:</b>	Grid North
<b>Well:</b>	EBC #2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>			
<b>Proposal:</b>	EBC #2 Lat #2 ST #1		

<b>Project</b>	East Bull Creek Well		
<b>Map System:</b>	HPGN Colorado State Planes	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	High Precision GPS Network (aka HARN, NAD83/91,		
<b>Map Zone:</b>	Southern Zone		

<b>Site</b>	EBC Pad 3			
<b>Site Position:</b>		<b>Northing:</b>	0 N	<b>Latitude:</b> 33.48902771° N
<b>From:</b>	Map	<b>Easting:</b>	0 E	<b>Longitude:</b> 115.33027986° W
<b>Position Uncertainty:</b>	6946ft	<b>Slot Radius:</b>	0in	<b>Grid Convergence:</b> -6.0°

<b>Well</b>	EBC #2			
<b>Well Position:</b>	<b>+N/-S</b>	1187928ft	<b>Northing:</b>	1187928 N
	<b>+E/-W</b>	2445869ft	<b>Easting:</b>	2445869 E
<b>Position Uncertainty:</b>		1ft	<b>Wellhead Elevation:</b>	6946ft
			<b>Ground Level:</b>	6930ft

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	User Defined	3/1/2018	0.0	0.0	0.0

<b>Proposal</b>	EBC #2 Lat #2 ST #1			
<b>Audit Notes:</b>				
<b>Version:</b>		<b>Phase:</b>		<b>Tie On Depth:</b> 3991ft

Vertical Section:	Depth from TVD (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0	0	0	305.7

Survey Program		1/24/2019			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
0	4008	EBC #2 Pilot	MWD	MWD	
4008	12789	EBC #2 Lat #2 ST #1	MWD	MWD	

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
3991	88.4	323.9	2980	1839	-1249					
5147	88.6	347.0	3009	2883	-1725	2.0	0.0	2.0	89.8	
5589	88.6	347.0	3020	3314	-1824	0.0	0.0	0.0	0.0	
9289	88.5	273.0	3127	5530	-4464	2.0	0.0	-2.0	-91.2	
12789	88.5	273.0	3219	5713	-7958	0.0	0.0	0.0	0.0	EBC 2 L2 ST 1 BHL

Planned Survey											
Measured Depth (ft)	Incl. (°)	Az. (°)	Vertical Depth (ft)	Sub Sea Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Closure Distance (ft)	Closure Azimuth (°)	Dogleg Rate (°/100ft)	Comments/ Formations
0	0.0	0.0	0	-6946	0	0	0	0	0.0	0.0	MWD
100	0.0	0.0	100	-6846	0	0	0	0	0.0	0.0	
200	0.0	0.0	200	-6746	0	0	0	0	0.0	0.0	
300	0.0	0.0	300	-6646	0	0	0	0	0.0	0.0	
400	0.0	0.0	400	-6546	0	0	0	0	0.0	0.0	

# Catamount Energy Partners

## Proposal Report



<b>Database:</b>	San Juan Basin	<b>Local Coordinate Reference:</b>	EBC #2
<b>Company:</b>		<b>TVD Reference:</b>	EBC #2
<b>Project:</b>	East Bull Creek Well	<b>MD Reference:</b>	EBC #2
<b>Site:</b>	EBC Pad 3	<b>North reference:</b>	Grid North
<b>Well:</b>	EBC #2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>			
<b>Proposal:</b>	EBC #2 Lat #2 ST #1		

Planned Survey											
Measured Depth (ft)	Incl. (°)	Az. (°)	Vertical Depth (ft)	Sub Sea Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Closure Distance (ft)	Closure Azimuth (°)	Dogleg Rate (°/100ft)	Comments/ Formations
500	0.0	0.0	500	-6446	0	0	0	0	0.0	0.0	
520	0.0	0.0	520	-6426	0	0	0	0	0.0	0.0	
540	0.8	326.0	540	-6406	0	0	0	0	326.0	4.0	
570	2.0	326.0	570	-6376	1	0	1	1	326.0	4.0	
600	3.2	326.0	600	-6346	2	-1	2	2	326.0	4.0	
630	4.4	326.0	630	-6316	4	-2	4	4	326.0	4.0	
660	5.6	326.0	660	-6286	6	-4	6	7	326.0	4.0	
690	6.8	326.0	690	-6256	8	-6	9	10	326.0	4.0	
720	8.0	326.0	719	-6227	12	-8	13	14	326.0	4.0	
750	9.2	326.0	749	-6197	15	-10	17	18	326.0	4.0	
780	10.4	326.0	779	-6167	20	-13	22	24	326.0	4.0	
810	11.6	326.0	808	-6138	24	-16	27	29	326.0	4.0	
840	12.8	326.0	837	-6109	30	-20	33	36	326.0	4.0	
870	14.0	326.0	867	-6079	35	-24	40	43	326.0	4.0	
900	15.2	326.0	896	-6050	42	-28	47	50	326.0	4.0	
930	16.4	326.0	924	-6022	48	-33	55	58	326.0	4.0	
960	17.6	326.0	953	-5993	56	-37	63	67	326.0	4.0	
990	18.8	326.0	982	-5964	63	-43	72	76	326.0	4.0	
1020	20.0	326.0	1010	-5936	72	-48	81	86	326.0	4.0	
1050	21.2	326.0	1038	-5908	80	-54	91	97	326.0	4.0	
1080	22.4	326.0	1066	-5880	90	-60	101	108	326.0	4.0	
1110	23.6	326.0	1093	-5853	99	-67	112	120	326.0	4.0	
1140	24.8	326.0	1121	-5825	110	-74	124	132	326.0	4.0	
1170	26.0	326.0	1148	-5798	120	-81	136	145	326.0	4.0	
1200	27.2	326.0	1175	-5771	131	-89	149	158	326.0	4.0	
1230	28.4	326.0	1201	-5745	143	-96	162	172	326.0	4.0	
1260	29.6	326.0	1228	-5718	155	-105	175	187	326.0	4.0	
1290	30.8	326.0	1253	-5693	168	-113	189	202	326.0	4.0	
1320	32.0	326.0	1279	-5667	180	-122	204	218	326.0	4.0	
1350	33.2	326.0	1304	-5642	194	-131	219	234	326.0	4.0	
1380	34.4	326.0	1329	-5617	208	-140	235	251	326.0	4.0	
1410	35.6	326.0	1354	-5592	222	-150	251	268	326.0	4.0	
1440	36.8	326.0	1378	-5568	237	-160	268	285	326.0	4.0	
1470	38.0	326.0	1402	-5544	252	-170	285	304	326.0	4.0	
1500	39.2	326.0	1425	-5521	267	-180	302	322	326.0	4.0	
1530	40.4	326.0	1448	-5498	283	-191	320	342	326.0	4.0	
1560	41.6	326.0	1471	-5475	300	-202	339	361	326.0	4.0	
1590	42.8	326.0	1493	-5453	316	-213	358	381	326.0	4.0	
1620	44.0	326.0	1515	-5431	333	-225	377	402	326.0	4.0	
1650	45.2	326.0	1536	-5410	351	-237	397	423	326.0	4.0	
1680	46.4	326.0	1557	-5389	369	-249	417	445	326.0	4.0	
1710	47.6	326.0	1578	-5368	387	-261	437	467	326.0	4.0	
1719	47.9	326.0	1584	-5362	392	-264	443	473	326.0	4.0	
1800	47.9	326.0	1638	-5308	442	-298	500	533	326.0	0.0	
1900	47.9	326.0	1705	-5241	504	-340	570	608	326.0	0.0	
2000	47.9	326.0	1772	-5174	565	-381	639	682	326.0	0.0	
2100	47.9	326.0	1839	-5107	627	-423	709	756	326.0	0.0	
2200	47.9	326.0	1906	-5040	688	-464	779	830	326.0	0.0	
2300	47.9	326.0	1973	-4973	750	-506	848	905	326.0	0.0	
2400	47.9	326.0	2040	-4906	812	-547	918	979	326.0	0.0	

# Catamount Energy Partners

## Proposal Report



<b>Database:</b>	San Juan Basin	<b>Local Coordinate Reference:</b>	EBC #2
<b>Company:</b>		<b>TVD Reference:</b>	EBC #2
<b>Project:</b>	East Bull Creek Well	<b>MD Reference:</b>	EBC #2
<b>Site:</b>	EBC Pad 3	<b>North reference:</b>	Grid North
<b>Well:</b>	EBC #2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>			
<b>Proposal:</b>	EBC #2 Lat #2 ST #1		

Planned Survey											
Measured Depth (ft)	Incl. (°)	Az. (°)	Vertical Depth (ft)	Sub Sea Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Closure Distance (ft)	Closure Azimuth (°)	Dogleg Rate (°/100ft)	Comments/ Formations
2500	47.9	326.0	2107	-4839	873	-589	987	1053	326.0	0.0	
2600	47.9	326.0	2174	-4772	935	-630	1057	1127	326.0	0.0	
2700	47.9	326.0	2241	-4705	996	-672	1127	1202	326.0	0.0	
2800	47.9	326.0	2308	-4638	1058	-713	1196	1276	326.0	0.0	
2900	47.9	326.0	2375	-4571	1119	-755	1266	1350	326.0	0.0	
3000	47.9	326.0	2442	-4504	1181	-796	1336	1424	326.0	0.0	
3100	47.9	326.0	2509	-4437	1242	-838	1405	1499	326.0	0.0	
3200	47.9	326.0	2576	-4370	1304	-879	1475	1573	326.0	0.0	
3300	47.9	326.0	2643	-4303	1366	-921	1544	1647	326.0	0.0	
3400	47.9	326.0	2710	-4236	1427	-962	1614	1721	326.0	0.0	
3500	47.9	326.0	2777	-4169	1489	-1004	1684	1796	326.0	0.0	
3600	47.9	326.0	2844	-4102	1550	-1045	1753	1870	326.0	0.0	
3648	47.9	326.0	2876	-4070	1580	-1065	1787	1905	326.0	0.0	
3660	49.7	325.9	2884	-4062	1587	-1070	1795	1914	326.0	14.5	
3690	54.0	325.6	2902	-4044	1607	-1084	1817	1938	326.0	14.5	
3720	58.3	325.4	2919	-4027	1627	-1098	1841	1963	326.0	14.5	
3750	62.7	325.1	2934	-4012	1649	-1113	1865	1989	326.0	14.5	
3780	67.0	324.9	2947	-3999	1671	-1128	1891	2016	326.0	14.5	
3810	71.3	324.7	2957	-3989	1694	-1144	1917	2044	326.0	14.5	
3840	75.7	324.5	2966	-3980	1717	-1161	1945	2073	325.9	14.5	
3870	80.0	324.3	2972	-3974	1741	-1178	1972	2102	325.9	14.5	
3900	84.3	324.2	2976	-3970	1765	-1195	2001	2132	325.9	14.5	
3928	88.4	324.0	2978	-3968	1788	-1212	2027	2160	325.9	14.5	
3933	88.4	323.9	2978	-3968	1792	-1215	2032	2165	325.9	2.0	
3991	88.4	323.9	2980	-3966	1839	-1249	2087	2223	325.8	0.0	
4000	88.4	324.1	2980	-3966	1846	-1254	2095	2232	325.8	2.0	MWD
4008	88.4	324.3	2980	-3966	1853	-1259	2104	2240	325.8	2.0	
4100	88.5	326.1	2983	-3963	1928	-1311	2190	2332	325.8	2.0	
4200	88.5	328.1	2985	-3961	2012	-1366	2283	2432	325.8	2.0	
4300	88.5	330.1	2988	-3958	2098	-1417	2375	2532	326.0	2.0	
4400	88.5	332.1	2991	-3955	2185	-1465	2465	2631	326.2	2.0	
4500	88.5	334.1	2993	-3953	2274	-1511	2554	2730	326.4	2.0	
4600	88.5	336.1	2996	-3950	2365	-1553	2641	2829	326.7	2.0	
4700	88.5	338.1	2998	-3948	2457	-1592	2726	2928	327.1	2.0	
4800	88.6	340.1	3001	-3945	2551	-1627	2809	3025	327.5	2.0	
4900	88.6	342.1	3003	-3943	2645	-1660	2891	3123	327.9	2.0	
5000	88.6	344.1	3006	-3940	2741	-1689	2970	3219	328.4	2.0	
5100	88.6	346.1	3008	-3938	2837	-1714	3047	3315	328.9	2.0	
5147	88.6	347.0	3009	-3937	2883	-1725	3083	3360	329.1	2.0	
5200	88.6	347.0	3011	-3935	2935	-1737	3123	3410	329.4	0.0	
5300	88.6	347.0	3013	-3933	3032	-1760	3198	3506	329.9	0.0	
5400	88.6	347.0	3015	-3931	3130	-1782	3273	3601	330.3	0.0	
5500	88.6	347.0	3018	-3928	3227	-1804	3348	3697	330.8	0.0	
5589	88.6	347.0	3020	-3926	3314	-1824	3415	3783	331.2	0.0	
5600	88.6	346.8	3020	-3926	3324	-1827	3423	3793	331.2	2.0	
5700	88.6	344.8	3023	-3923	3421	-1851	3499	3890	331.6	2.0	
5800	88.6	342.8	3025	-3921	3517	-1879	3578	3988	331.9	2.0	
5900	88.5	340.8	3028	-3918	3612	-1910	3659	4086	332.1	2.0	
6000	88.5	338.8	3030	-3916	3706	-1945	3741	4186	332.3	2.0	
6100	88.5	336.8	3033	-3913	3799	-1983	3826	4285	332.4	2.0	

# Catamount Energy Partners

## Proposal Report



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<b>Company:</b>		<b>TVD Reference:</b>	EBC #2
<b>Project:</b>	East Bull Creek Well	<b>MD Reference:</b>	EBC #2
<b>Site:</b>	EBC Pad 3	<b>North reference:</b>	Grid North
<b>Well:</b>	EBC #2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>			
<b>Proposal:</b>	EBC #2 Lat #2 ST #1		

Planned Survey											
Measured Depth (ft)	Incl. (°)	Az. (°)	Vertical Depth (ft)	Sub Sea Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Closure Distance (ft)	Closure Azimuth (°)	Dogleg Rate (°/100ft)	Comments/ Formations
6200	88.4	334.8	3036	-3910	3890	-2024	3912	4385	332.5	2.0	
6300	88.4	332.8	3038	-3908	3980	-2068	4001	4485	332.5	2.0	
6400	88.4	330.8	3041	-3905	4068	-2115	4090	4585	332.5	2.0	
6500	88.3	328.8	3044	-3902	4154	-2165	4182	4685	332.5	2.0	
6600	88.3	326.8	3047	-3899	4239	-2218	4274	4784	332.4	2.0	
6700	88.3	324.8	3050	-3896	4321	-2275	4368	4883	332.2	2.0	
6800	88.3	322.8	3053	-3893	4402	-2334	4463	4982	332.1	2.0	
6900	88.3	320.8	3056	-3890	4481	-2395	4559	5081	331.9	2.0	
7000	88.3	318.8	3059	-3887	4557	-2460	4656	5179	331.6	2.0	
7100	88.2	316.8	3062	-3884	4631	-2527	4754	5276	331.4	2.0	
7200	88.2	314.8	3065	-3881	4703	-2597	4852	5372	331.1	2.0	
7300	88.2	312.8	3068	-3878	4772	-2669	4951	5467	330.8	2.0	
7400	88.2	310.8	3071	-3875	4838	-2743	5050	5562	330.4	2.0	
7500	88.2	308.8	3074	-3872	4902	-2820	5150	5656	330.1	2.0	
7600	88.2	306.8	3077	-3869	4964	-2899	5250	5748	329.7	2.0	
7700	88.2	304.8	3081	-3865	5022	-2980	5350	5840	329.3	2.0	
7800	88.2	302.8	3084	-3862	5078	-3063	5450	5930	328.9	2.0	
7900	88.2	300.8	3087	-3859	5130	-3148	5549	6019	328.5	2.0	
8000	88.2	298.8	3090	-3856	5180	-3235	5649	6107	328.0	2.0	
8100	88.2	296.8	3093	-3853	5227	-3323	5748	6194	327.6	2.0	
8200	88.2	294.8	3096	-3850	5270	-3413	5846	6279	327.1	2.0	
8300	88.3	292.8	3099	-3847	5311	-3505	5944	6363	326.6	2.0	
8400	88.3	290.8	3102	-3844	5348	-3598	6041	6445	326.1	2.0	
8500	88.3	288.8	3105	-3841	5381	-3692	6137	6526	325.6	2.0	
8600	88.3	286.8	3108	-3838	5412	-3787	6232	6605	325.0	2.0	
8700	88.3	284.8	3111	-3835	5439	-3883	6326	6683	324.5	2.0	
8800	88.4	282.8	3114	-3832	5463	-3980	6419	6759	323.9	2.0	
8900	88.4	280.8	3117	-3829	5483	-4078	6511	6834	323.4	2.0	
9000	88.4	278.8	3120	-3826	5500	-4176	6600	6906	322.8	2.0	
9100	88.4	276.8	3122	-3824	5514	-4275	6689	6977	322.2	2.0	
9200	88.5	274.8	3125	-3821	5524	-4375	6775	7047	321.6	2.0	
9289	88.5	273.0	3127	-3819	5530	-4464	6851	7107	321.1	2.0	
9300	88.5	273.0	3128	-3818	5531	-4475	6860	7114	321.0	0.0	
9400	88.5	273.0	3130	-3816	5536	-4574	6945	7181	320.4	0.0	
9500	88.5	273.0	3133	-3813	5541	-4674	7029	7249	319.9	0.0	
9600	88.5	273.0	3136	-3810	5546	-4774	7113	7318	319.3	0.0	
9700	88.5	273.0	3138	-3808	5552	-4874	7197	7388	318.7	0.0	
9800	88.5	273.0	3141	-3805	5557	-4974	7281	7458	318.2	0.0	
9900	88.5	273.0	3143	-3803	5562	-5074	7365	7529	317.6	0.0	
10000	88.5	273.0	3146	-3800	5567	-5173	7449	7600	317.1	0.0	
10100	88.5	273.0	3149	-3797	5573	-5273	7534	7672	316.6	0.0	
10200	88.5	273.0	3151	-3795	5578	-5373	7618	7745	316.1	0.0	
10300	88.5	273.0	3154	-3792	5583	-5473	7702	7818	315.6	0.0	
10400	88.5	273.0	3156	-3790	5588	-5573	7786	7892	315.1	0.0	
10500	88.5	273.0	3159	-3787	5594	-5673	7870	7967	314.6	0.0	
10600	88.5	273.0	3162	-3784	5599	-5772	7954	8042	314.1	0.0	
10700	88.5	273.0	3164	-3782	5604	-5872	8038	8117	313.7	0.0	
10800	88.5	273.0	3167	-3779	5609	-5972	8123	8193	313.2	0.0	
10900	88.5	273.0	3170	-3776	5614	-6072	8207	8270	312.8	0.0	
11000	88.5	273.0	3172	-3774	5620	-6172	8291	8347	312.3	0.0	

# Catamount Energy Partners

## Proposal Report



<b>Database:</b>	San Juan Basin	<b>Local Coordinate Reference:</b>	EBC #2
<b>Company:</b>		<b>TVD Reference:</b>	EBC #2
<b>Project:</b>	East Bull Creek Well	<b>MD Reference:</b>	EBC #2
<b>Site:</b>	EBC Pad 3	<b>North reference:</b>	Grid North
<b>Well:</b>	EBC #2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>			
<b>Proposal:</b>	EBC #2 Lat #2 ST #1		

Planned Survey											
Measured Depth (ft)	Incl. (°)	Az. (°)	Vertical Depth (ft)	Sub Sea Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Closure Distance (ft)	Closure Azimuth (°)	Dogleg Rate (°/100ft)	Comments/ Formations
11100	88.5	273.0	3175	-3771	5625	-6272	8375	8424	311.9	0.0	
11200	88.5	273.0	3177	-3769	5630	-6371	8459	8503	311.5	0.0	
11300	88.5	273.0	3180	-3766	5635	-6471	8543	8581	311.1	0.0	
11400	88.5	273.0	3183	-3763	5641	-6571	8627	8660	310.6	0.0	
11500	88.5	273.0	3185	-3761	5646	-6671	8712	8739	310.2	0.0	
11600	88.5	273.0	3188	-3758	5651	-6771	8796	8819	309.8	0.0	
11700	88.5	273.0	3190	-3756	5656	-6871	8880	8899	309.5	0.0	
11800	88.5	273.0	3193	-3753	5662	-6970	8964	8980	309.1	0.0	
11900	88.5	273.0	3196	-3750	5667	-7070	9048	9061	308.7	0.0	
12000	88.5	273.0	3198	-3748	5672	-7170	9132	9142	308.3	0.0	
12100	88.5	273.0	3201	-3745	5677	-7270	9216	9224	308.0	0.0	
12200	88.5	273.0	3204	-3742	5682	-7370	9301	9306	307.6	0.0	
12300	88.5	273.0	3206	-3740	5688	-7469	9385	9388	307.3	0.0	
12400	88.5	273.0	3209	-3737	5693	-7569	9469	9471	306.9	0.0	
12500	88.5	273.0	3211	-3735	5698	-7669	9553	9554	306.6	0.0	
12600	88.5	273.0	3214	-3732	5703	-7769	9637	9638	306.3	0.0	
12700	88.5	273.0	3217	-3729	5709	-7869	9721	9721	306.0	0.0	
12789	88.5	273.0	3219	-3727	5713	-7958	9797	9797	305.7	0.0	EBC 2 L2 ST 1 BHL

Targets									
Target Name -hit/miss target -Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
EBC 2 L2 ST 1 BHL - proposal hits the target center - Point			3219	5713	-7958	1193642 N	2437911 E	37.18252800° N	107.42948900° W

Checked By:	Approved By:	Date:
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