

Engineering Data																																				
			Construction															Formation Tops										Bradenhead Information								
							GL Elev. (above sea level)	Status	Surf. Csg. Depth (MD)	Surf. Csg. Length (ft)	TD (MD)	Cement Top (MD)	Cement Bottom (MD)	Cement Top (TVD)	Cement Bottom (TVD)	Cement Top Elev. (above sea level)	Cement Bottom Elev. (above sea level)																			
API No.	Well Name	Operator	Qtr	Qtr	Section	Townshi p	Range											Productive Zones (FM)	Abandoned Zones (FM)	Base Fox Hills (MD)	Parkman (MD)	Sussex (MD)	Shannon (MD)	Niobrara (MD)	Codell (MD)	J-Sand (MD)	Dakota (MD)	Date Last Form 17 Submitted	BrHD Pressure (Initial)	BrHD Pressure (Final)	Character of BrHD Fluid	BrHD Gas Sample Taken?	BrHD Liquid Sample Taken?	DV or Stage Cementing Tool in Well? (MD)	Pressure increases from horizontal offset frac jobs?	
05-123-43461	DITTMER KE 20-024HC	Great Western Operating Company	NENW	32	1N	66W	4966	Producing	1969	1949	18045	406	18045	406	7532	4560	-2566	Nio/Ft Hays/Cdl/Carlile			4375	4663	5431	7499	8201		8/26/2019	0	0					No		
05-123-43441	DITTMER KE 20-024HN	Great Western Operating Company	NENW	32	1N	66W	4966	Producing	1935	1915	17792	50	17792	50	7295	4916	-2329	Niobrara			4382	4680	5480	7567			8/26/2019	0	0					No		
05-123-43444	DITTMER KE 20-026HN	Great Western Operating Company	NENW	32	1N	66W	4966	Producing	1969	1949	17818	250	17818	250	7347	4716	-2381	Niobrara			4382	4677	5426	7492			8/26/2019	0	0					No		
05-123-43452	DITTMER KE 20-027HC	Great Western Operating Company	NENW	32	1N	66W	4966	Producing	1946	1926	17932	46	17932	46	7518	4920	-2552	Nio/Ft Hays/Cdl/Carlile						9837	8233		8/26/2019	31	0	Gas				No		
05-123-43457	DITTMER KE 20-027HN	Great Western Operating Company	NENW	32	1N	66W	4966	Producing	1959	1939	17684	64	17684	64	7288	4902	-2322	Niobrara			4380	4669	5418	7484			8/26/2019	7	0	Gas				No		
05-123-43455	DITTMER KE 20-028HN	Great Western Operating Company	NENW	32	1N	66W	4966	Producing	1975	1955	17750	36	17750	36	7352	4930	-2386	Niobrara			4370	4673	5394	7427			2/5/2020	77	0	Gas	1/26/2020			No		
05-123-43448	DITTMER KE 20-029HC	Great Western Operating Company	NENW	32	1N	66W	4966	Producing	1975	1955	17806	132	17906	132	7514	4834	-2548	Nio/Ft Hays/Cdl/Carlile							8236		8/26/2019	18	0	Gas				No		
05-123-43445	DITTMER KE 20-029HN	Great Western Operating Company	NENW	32	1N	66W	4966	Producing	1975	1955	17678	40	17678	40	7288	4926	-2322	Niobrara			4372	4674	5420	7994			2/5/2020	63	0	Gas	1/26/2020			No		
05-123-43453	DITTMER KE 20-031HN	Great Western Operating Company	NENW	32	1N	66W	4966	Producing	1917	1897	17800	40	17800	40	7352	4926	-2386	Niobrara			4388	4681	5431	8057			8/22/2019	0	0					No		
05-123-43442	DITTMER KE 20-032HC	Great Western Operating Company	NENW	32	1N	66W	4966	Producing	1746	1726	17988	4670	17988	4670	7568	296	-2602	Nio/Ft Hays/Cdl/Carlile						7475	8202		8/22/2019	5	0	Gas				No		
05-123-43456	DITTMER KE 20-032HN	Great Western Operating Company	NENW	32	1N	66W	4966	Producing	1736	1716	17761	3670	17761	3670	7315	1296	-2349	Niobrara			4329	4674	5443	7519			2/5/2020	195	0	Water		8/26/2019		No		
05-123-43450	DITTMER KE 20-033HN	Great Western Operating Company	NENW	32	1N	66W	4966	Producing	1740	1720	17907	3942	17907	3942	7371	1024	-2405	Niobrara			4365	4676	5501	7532			2/5/2020	60	0	Water		8/23/2019		No		
05-123-43454	DITTMER KE 20-034HC	Great Western Operating Company	NENW	32	1N	66W	4966	Producing	1725	1705	18138	4490	18138	4490	7562	476	-2596	Nio/Ft Hays/Cdl/Carlile			4326	4687	5514	7543	8321		2/5/2020	109	0	Mud		8/29/2019		No		
05-123-43446	DITTMER KE 20-034HN	Great Western Operating Company	NENW	32	1N	66W	4966	Producing	1736	1716	17988	5050	17988	4950	7338	16	-2372	Niobrara			4377	4725	5587	7637			2/5/2020	7	0	Gas	8/25/2019			No		
05-123-43460	DITTMER KE 20-035HN	Great Western Operating Company	NENW	32	1N	66W	4966	Producing	1736	1716	18146	2860	18146	2860	7398	2106	-2432	Niobrara			4389	4782	5613	7676			2/5/2020	6	0	Gas		8/28/2019		No		
05-123-43447*	DITTMER KE 20-037HC*	Great Western Operating Company	NENW	32	1N	66W	4966	Producing	1737	1717	18375	1710	18375	1710	7514	3256	-2548	Nio/Ft Hays/Cdl/Carlile			4401	4835	5686	7705	8504		2/5/2020	98	3	Gas	9/28/2019			No		
05-123-43459	DITTMER KE 20-037HN	Great Western Operating Company	NENW	32	1N	66W	4966	Producing	1947	1927	18121	3340	18121	3340	7296	1626	-2330	Niobrara			4494	4881	5720	7797			2/5/2020	1	0	Gas	8/25/2019			No		
05-123-43458	DITTMER KE 20-038HN	Great Western Operating Company	NENW	32	1N	66W	4966	Producing	1740	1720	18300	4144	18210	4000	7386	966	-2420	Niobrara			4569	4939	5780	7834			2/5/2020	231	0	Water		8/28/2019		No		
05-123-43438	DITTMER KE 20-039HC	Great Western Operating Company	NENW	32	1N	66W	4966	Producing	1739	1719	18475	4014	18475	3875	7536	1091	-2570	Nio/Ft Hays/Cdl			4540	4973	5803	7836	8578		8/26/2019	2	0					No		
05-001-08315	GREIN 1	Great Western Operating Company	NWNE	5	1S	66W	5019	P&A	320	309	8240	0	8240	0	8240	5019	-3221		JSND	1086		4922	7190	7643	8094		1/21/2019	0	0				1155			
05-123-08370	EMMA DELVENTHAL GAS UNIT #1	HS Resources	SENE	32	1N	66W	5001	P&A	212	202	8223	6690	8223	6690	8223	-1689	-3222		JSND/CD	1085		4720		7193	7618	7981							1105			
05-123-09255	EMPIRE DRILLING CO #1	Empire Drilling	Never Drilled					AL																												

\*Casing Repair Form 5: Doc # 402196325, Bradenhead Remediation Form 4: Doc #402364948