

PROPOSED HORIZONTAL WELL(S)													
Surface Location		Surface Location		Surface Location		Surface Location							
Well Name and Number	QQ-Section-Twp-Range	Well Name and Number	QQ-Section-Twp-Range	Well Name and Number	QQ-Section-Twp-Range	Well Name and Number	QQ-Section-Twp-Range						
KUGEL 1A-18H-H267	Town: 2N Range: 67W Sec: 18	KUGEL 1D-18H-H267	Town: 2N Range: 67W Sec: 18	KUGEL 1E-18H-H267	Town: 2N Range: 67W Sec: 18	KUGEL 1G-18H-H267	Town: 2N Range: 67W Sec: 18						
KUGEL 1C-18H-H267	Town: 2N Range: 67W Sec: 18	KUGEL 1F-18H-H267	Town: 2N Range: 67W Sec: 18										
Operator's Wellbore Integrity Contact													
OFFSET WELL EVALUATIONS													
Offset Well API #	Offset Well Name	Nearest Proposed Horizontal Well Name	Shortest Horizontal Distance from Offset Well to any Proposed HZ Well	Offset Well Operator	Offset Well Spud Date	Offset Well Status	Offset Well Surface Casing Settling Depth	Base of Fox Hills or Depth of Deepest Water Well	Historical Remedial Work to Provide Fox Hills Coverage	Offset Well Objective Formation Top	Offset Well Top of Production Casing Cement	Comments (Optional)	
05123085780000	BRETT 1	KUGEL 1E-18H-H267	1113	KMG	12/04/1975	PA	495	387		NDE		did not penetrate Niobrara, only drilled to 5037'. PA'd in 1997. Set CIBP @ 4850' w/ 2sxs cement. Open hole 40 sxs @ 1300' and 40 sxs @ 830', 40 sxs @ 405', and 10 sxs @ surface.	
05123164290000	BRETT 4	KUGEL 1A-18H-H267	1073	KMG	11/09/1992	PR	668	365		7242	6406		
05123173240000	COORS V6-14	KUGEL 1A-18H-H267	1428	NOBLE	11/30/1993	PR	571	159		7060	6755		
N/A	DIER 0-6-8	KUGEL 1G-18H-H267	223	ECA								not drilled yet	
05123206520000	DIER 13-8	KUGEL 1G-18H-H267	845	ECA	01/14/2002	PR	690	328		7203	6798		
05123206530000	DIER 14-8	KUGEL 1G-18H-H267	775	ECA	01/21/2002	PR	733	328		7325	6912		
05123206160000	FARNSWORTH 9-18A	KUGEL 1F-18H-H267	917	KMG	03/11/2002	PR	676	358		7230	5630		
05123200090000	GTF RED V 6-16J	KUGEL 1G-18H-H267	955	NOBLE	09/19/2000	PR	547	213		7099	6690		
05123175410000	GTF RED V6-16	KUGEL 1G-18H-H267	1009	NOBLE	11/24/1993	PR	621	211		7110	6516		
05123166550000	GTF RED V6-4D	KUGEL 1C-18H-H267	1354	NOBLE	01/02/1993	PR	520	199		7096	6410		
05123198700000	HSR-VOGL 5-8A	KUGEL 1G-18H-H267	1005	KMG	01/12/2000	PR	512	290		7138	6700	TOC from COGCC doc# 83953	
05123073060000	KUGEL 1	KUGEL 1D-18H-H267	189	MACHIII-ROSS	04/13/1971	PR	250	352		7217	7130	TOC from COGCC doc# 924528, will need to cover Fox Hills, and will need extra coverage over Niobrara	
05123146110000	KUGEL 1-18	KUGEL 1A-18H-H267	1418	ECA	05/14/1990	PR	349	327		7220	6510	TOC from COGCC doc# 84378	
05123144970000	KUGEL 12-18	KUGEL 1A-18H-H267	859	FOUNDATION ENERGY	11/23/1989	PR	620	339		7224	6810	TOC from COGCC doc# 84350	
05123205270000	KUGEL 21-18	KUGEL 1A-18H-H267	943	ECA	10/19/2001	PR	641	313		7213	4275		
05123152820000	KUGEL 2-18	KUGEL 1D-18H-H267	189	ECA	10/08/1991	PR	581	358		7226	6240	TOC from COGCC doc# 84382	
05123205260000	KUGEL 22-18	KUGEL 1A-18H-H267	712	ECA	11/02/2001	PR	637	343		7309	6800		
05123196980000	KUGEL 31-18	KUGEL 1A-18H-H267	279	ECA	01/13/1999	PR	607	334		7200	6607		
05123091640000	KUGEL 32-18	KUGEL 1C-18H-H267	291	MACHIII-ROSS	03/30/1977	PR	577	362		NDE		did not penetrate the Niobrara. TD'd at 5010'.	
05123252510000	KUGEL 32-18J	KUGEL 1A-18H-H267	358	MACHIII-ROSS		XX						not drilled yet	
05123205280000	KUGEL 41-18	KUGEL 1F-18H-H267	107	ECA	08/02/2001	PR	637	330		7188	6610		
05123203070000	KUGEL 42-18	KUGEL 1F-18H-H267	122	ECA	04/04/2001	PR	622	371		7220	6800		
N/A	KUGEL 4-2-18	KUGEL 1A-18H-H267	137	ECA								not drilled yet	
N/A	KUGEL 8-2-18	KUGEL 1G-18H-H267	153	ECA								not drilled yet	
05123172560000	KUGEL V18-3	KUGEL 1A-18H-H267	975	FOUNDATION ENERGY	08/25/1993	PR	556	304		7219	3840	TOC from COGCC doc# 84393	
05123104080000	LISA 1	KUGEL 1A-18H-H267	1344	KMG	09/17/1981	PR	531	338		7212	7014	TOC from COGCC doc# 84287	
05123213580000	MCCOY 14-5	KUGEL 1G-18H-H267	1259	ECA	04/12/2003	PR	418	235		7082	6650		
05123207700000	MILLER 11-17	KUGEL 1G-18H-H267	770	ECA	02/03/2002	PR	643	377		7458	6760		
05123208710000	MILLER 12-17	KUGEL 1G-18H-H267	800	ECA	05/02/2002	PR	822	371		7396	6500	TOC from COGCC doc# 1492898	
05123208280000	MILLER 13-17	KUGEL 1G-18H-H267	1302	ECA	03/13/2002	PR	616	418		7408	6865		
N/A	MILLER 2-0-17	KUGEL 1G-18H-H267	1445	ECA								not drilled yet	
N/A	MILLER 3A-17H	KUGEL 1G-18H-H267	206	ECA								not drilled yet	
N/A	MILLER 3B-17H	KUGEL 1G-18H-H267	549	ECA								not drilled yet	
N/A	MILLER 3C-17H	KUGEL 1G-18H-H267	899	ECA								not drilled yet	
N/A	MILLER 3D-17H	KUGEL 1G-18H-H267	1242	ECA								not drilled yet	
05123230130000	PROMINENCE 4-8	KUGEL 1G-18H-H267	873	KMG	07/07/2005	PR	856	268		7114	3727		
05123336980000	STREAR V 06-63HN	KUGEL 1G-18H-H267	1378	NOBLE	10/02/2011	PR	653	225		7235	1010		
N/A	VOGEL MCCOY 2A-5H-E267	KUGEL 1G-18H-H267	374	ECA								not drilled yet	
N/A	VOGEL MCCOY 2B-5H-E267	KUGEL 1G-18H-H267	709	ECA								not drilled yet	
N/A	VOGEL MCCOY 2C-5H-E267	KUGEL 1G-18H-H267	1036	ECA								not drilled yet	
N/A	VOGEL MCCOY 2D-5H-E267	KUGEL 1G-18H-H267	1371	ECA								not drilled yet	
05123078560000	WANDELL 1	KUGEL 1E-18H-H267	79	ECA	09/05/1973	PR	208	254	DV Tool	7132	6950	DV Tool @ 689' and cemented to surface, will add cement to NIO to get min of 200' coverage	
05123312200000	WANDELL 2-0-7	KUGEL 1A-18H-H267	1426	ECA	08/24/2011	PR	857	217		7510	3510		
05123196750000	WANDELL 21-7	KUGEL 1A-18H-H267	596	ECA	12/27/1998	PR	443	206		7112	6660		
05123209990000	WANDELL 22-7	KUGEL 1A-18H-H267	692	ECA	01/20/2003	PR	419	217		7335	4555		
05123223970000	WANDELL 23-7	KUGEL 1A-18H-H267	848	ECA	11/11/2004	PR	454	313		7488	6650		
05123223540000	WANDELL 24-7	KUGEL 1G-18H-H267	846	ECA	09/24/2004	PR	635	310		7357	6790		
05123310400000	WANDELL 2-8-7	KUGEL 1A-18H-H267	1417	ECA	06/15/2010	PR	670	286		7296	3220		
N/A	WANDELL 2E-7H-D267	KUGEL 1A-18H-H267	1199	ECA								not drilled yet	
N/A	WANDELL 2F-7H-D267	KUGEL 1A-18H-H267	846	ECA								not drilled yet	
05123209470000	WANDELL 31-7	KUGEL 1C-18H-H267	241	ECA	04/25/2003	PR	418	249		7252	4030		
05123195810000	WANDELL 32-7	KUGEL 1C-18H-H267	211	ECA	02/20/1999	PR	414	257		7140	6826		
05123211380000	WANDELL 33-7	KUGEL 1C-18H-H267	297	ECA	12/07/2002	PR	419	260		7320	3420		
05123223950000	WANDELL 34-7	KUGEL 1A-18H-H267	358	ECA	10/02/2004	PR	635	332		7299	6662		
05123261210000	WANDELL 4-0-7	KUGEL 1A-18H-H267	451	ECA	08/31/2007	PR	562	198		7392	6440		
05123210700000	WANDELL 41-7	KUGEL 1F-18H-H267	147	ECA	05/01/2003	PR	411	259		7208	6680		
05123210690000	WANDELL 42-7	KUGEL 1F-18H-H267	67	ECA	05/08/2003	PR	409	259		7306	4200		
05123211660000	WANDELL 43-7	KUGEL 1F-18H-H267	122	ECA	12/14/2002	PR	417	264		7530	3940		
05123321390000	WANDELL 4-4-7	KUGEL 1A-18H-H267	312	ECA	09/05/2011	PR	878	217		7482	3210		
05123308200000	WANDELL 4-6-7	KUGEL 1A-18H-H267	59	ECA	07/28/2010	PR	698	322		7502	6650		
05123324670000	WANDELL 6-0-7	KUGEL 1D-18H-H267	506	ECA	03/19/2011	PR	938	256		7253	3250		
05123324690000	WANDELL 6-4-7	KUGEL 1D-18H-H267	59	ECA	03/09/2011	PR	939	259		7532	2670		
05123310390000	WANDELL 6-8-7	KUGEL 1D-18H-H267	84	ECA	07/23/2010	PR	697	375		7326	2600		
05123324710000	WANDELL 8-2-7	KUGEL 1G-18H-H267	205	ECA	03/14/2011	PR	939	256		7296	3420		
05123324720000	WANDELL 8-4-7	KUGEL 1G-18H-H267	191	ECA	03/03/2011	PR	939	259		7552	6720		
N/A	WANDELL 8-8-7	KUGEL 1G-18H-H267	100	ECA								not drilled yet	
05123106280000	WANDELL E UN 1	KUGEL 1E-18H-H267	53	ECA	04/30/1982	PA	253	311		7150	7080	P&A'd in 2008. Set CIBP @ 7100' w/ 4 sxs. Perf and Squeeze @ 4170' w/ 60 sxs. 25 sxs from 315' to surface. P&A should be adequate	