

PROPOSED HORIZONTAL WELL(S)													
		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	
HARVEY 1N		SESW Sec 32 T4N R65W		HARVEY 7N		SESW Sec 32 T4N R65W		HARVEY 13N		SESW Sec 32 T4N R65W		HARVEY 13N	
HARVEY 2N		SESW Sec 32 T4N R65W		HARVEY 8N		SESW Sec 32 T4N R65W		HARVEY 14N		SESW Sec 32 T4N R65W		HARVEY 14N	
HARVEY 3N		SESW Sec 32 T4N R65W		HARVEY 9N		SESW Sec 32 T4N R65W		HARVEY 15N		SESW Sec 32 T4N R65W		HARVEY 15N	
HARVEY 4N		SESW Sec 32 T4N R65W		HARVEY 10N		SESW Sec 32 T4N R65W		HARVEY 16N		SESW Sec 32 T4N R65W		HARVEY 16N	
HARVEY 5N		SESW Sec 32 T4N R65W		HARVEY 11N		SESW Sec 32 T4N R65W							
HARVEY 6N		SESW Sec 32 T4N R65W		HARVEY 12N		SESW Sec 32 T4N R65W							
Operator's Wellbore Integrity Contact: <a href="mailto:liz.malotte@pdce.com">liz.malotte@pdce.com</a>													
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 Setting Depth	Base of Fox Hills (DJ) or Depth of Deepest Water Well (Statewide)	Historical Remedial Work to Provide Fox Hills Coverage (DJ Only)	Offset Well Objective Formation Top	Offset Well Top of Production Casing Cement	Required Comments	
05-123-07204	UPRR 21 PAN AM A 1	HARVEY 3N	118	NOBLE ENERGY INC	11/26/1970	PA	204	420	4108-4560, 6600	7728	7386	Well does not require mitigation	
05-123-07533	UPRR 21 PAN AM D 1	HARVEY 6N	162	NOBLE ENERGY INC	8/25/1972	SI	535	480		N/A	0	Shallow Offset - Sussex Only Well	
05-123-08267	MEL SMOOKLER GAS UNIT 1	HARVEY 3N	29	NOBLE ENERGY INC	1/10/1975	PR	564	420	3478-4848	7050	7097	OPTION 1 OR 2	
05-123-08670	MUSICK-MCCLINTOCK 1	HARVEY 11N	162	KP KAUFFMAN COMPANY INC	4/23/1976	PR	390	480		N/A	0	Shallow Offset - Sussex Only Well	
05-123-09302	UPRR 21 PAN AM G 1	HARVEY 4N	47	NOBLE ENERGY INC	9/30/1977	PR	230	480		N/A	0	Shallow Offset - Sussex Only Well	
05-123-09445	EDWARD HEMPLE UNIT 2	HARVEY 5N	1460	NOBLE ENERGY INC	4/4/1978	PR	427	378		N/A	0	Shallow Offset - Sussex Only Well	
05-123-09469	C. J. SCHMIDT "B" 1	HARVEY 1N	1445	KERR MCGEE OIL & GAS ONSHORE LP	4/19/1978	PA	506	379	109-727	N/A	0	Shallow Offset - Sussex Only Well	
05-123-09552	RURAL LAND 41-31 #1	HARVEY 1N	837	NOBLE ENERGY INC	7/17/1978	SI	507	420	0-700	6986	4760	Well does not require mitigation	
05-123-09553	BOHLENDER 32-29 1	HARVEY 10N	118	NOBLE ENERGY INC	9/6/1978	PR	500	480	opened SSX - LH @ 4	No Pick	3660	OPTION 1 OR 2	
05-123-09555	MUSICK-MCCLINTOCK 2	HARVEY 7N	84	KP KAUFFMAN COMPANY INC	8/17/1978	PR	390	420		N/A	0	Shallow Offset - Sussex Only Well	
05-123-09670	BOHLENDER 31-29 3	HARVEY 11N	188	ANADARKO E&P ONSHORE LLC	2/5/1979	PA	404	480	0-30, 300-500	N/A	0	Shallow Offset - Sussex Only Well	
05-123-09673	BOHLENDER 2	HARVEY 14N	181	KERR MCGEE OIL & GAS ONSHORE LP	2/16/1979	PA	420	480	0-30, 360-513	N/A	0	Shallow Offset - Sussex Only Well	
05-123-09681	ARIST. ANGUS RANCH 41-5 1	HARVEY 15N	1413	KERR MCGEE OIL & GAS ONSHORE LP	3/1/1979	SI	430	483		N/A	0	Shallow Offset - Sussex Only Well	
05-123-09686	MUSICK-MCCLINTOCK 3	HARVEY 2N	190	KP KAUFFMAN COMPANY INC	3/14/1979	SI	425	420		N/A	0	Shallow Offset - Sussex Only Well	
05-123-09739	VERN MARSHALL 1	HARVEY 3N	159	NOBLE ENERGY INC	7/5/1979	SI	630	420		N/A	0	Shallow Offset - Sussex Only Well	
05-123-09767	MUSICK-MCCLINTOCK 4	HARVEY 14N	157	KP KAUFFMAN COMPANY INC	8/28/1979	PR	446	480		N/A	0	Shallow Offset - Sussex Only Well	
05-123-09910	MUSICK-MCCLINTOCK 5	HARVEY 6N	34	KP KAUFFMAN COMPANY INC	2/28/1980	PR	448	480		N/A	0	Shallow Offset - Sussex Only Well	
05-123-10015	CLYDE MARSHALL 1	HARVEY 6N	87	NOBLE ENERGY INC	8/1/1980	SI	540	420		N/A	0	Shallow Offset - Sussex Only Well	
05-123-10582	MUSICK-MCCLINTOCK 6	HARVEY 3N	48	KP KAUFFMAN COMPANY INC	3/19/1982	SI	415	420		N/A	0	Shallow Offset - Sussex Only Well	
05-123-10806	KRAUSE 1-J	HARVEY 16N	1147	NOBLE ENERGY INC	7/27/1983	PR	526	480	0, 1330-1710, 406	6946	6430	Well does not require mitigation	
05-123-11784	PESCHEL 44-20	HARVEY 15N	828	PDC ENERGY INC	5/7/1984	PA	327	480	0-600	6995	6550	Well does not require mitigation	
05-123-11962	UPRR 21 PAN AM D 2	HARVEY 15N	177	NOBLE ENERGY INC	11/5/1984	SI	631	480		N/A	0	Shallow Offset - Sussex Only Well	
05-123-12005	PEARSON 1	HARVEY 16N	1151	NOBLE ENERGY INC	10/19/1984	SI	475	480		7055	6708	OPTION 1 OR 2	
05-123-12174	UPRR 36 PAN AM C 1	HARVEY 16N	722	NOBLE ENERGY INC	11/16/1984	SI	586	506		N/A	0	Shallow Offset - Sussex Only Well	
05-123-12519	PESCHEL 34-20	HARVEY 10N	761	PDC ENERGY INC	7/3/1985	PA	306	480	0-609, 3487-4701	6960	4587	Well does not require mitigation	
05-123-12551	UPRR 21 PAN AM "J" 1	HARVEY 10N	91	NOBLE ENERGY INC	8/17/1985	SI	828	480	2669-4695	7100	6600	Well does not require mitigation	
05-123-12642	MUSICK GAS UNIT 1	HARVEY 13N	98	CRESTONE PEAK RESOURCES OPERATING LLC	9/17/1985	PR	516	480	4280-4684	6990	7400	OPTION 1 OR 2	
05-123-12721	LUDWIG-UPRR 31-5 1	HARVEY 10N	1353	KERR MCGEE OIL & GAS ONSHORE LP	10/21/1985	PR	319	501		6964	6320	OPTION 1 OR 2	
05-123-12884	CPC-BOHLENDER 29-1	HARVEY 14N	53	NOBLE ENERGY INC	1/8/1986	PR	296	480	80-1750	6971	6640	Well does not require mitigation	
05-123-13014	CPC-BOHLENDER 29-2	HARVEY 11N	155	PETRO-CANADA RESOURCES (USA) INC	N/A	AL	N/A	N/A		N/A	N/A	No evaluation required	
05-123-13015	CPC-LAND 31-2	HARVEY 1N	859	NOBLE ENERGY INC	7/1/1986	PA	314	420	11-578, 3980-4740	7094	6490	Well does not require mitigation	
05-123-13035	CPC BOHLENDER 29-2	HARVEY 11N	162	NOBLE ENERGY INC	2/28/1986	SI	298	480	0-825, 1355-1685	6942	6500	Well does not require mitigation	
05-123-13441	HAMBERT R G 32-1	HARVEY 14N	40	NOBLE ENERGY INC	7/21/1987	SI	335	480		6954	6346	OPTION 1 OR 2	
05-123-13442	HAMBERT R G 32-2	HARVEY 11N	90	NOBLE ENERGY INC	5/28/1987	SI	315	480	4281-4670	6999	6330	OPTION 1 OR 2	
05-123-13443	HAMBERT R G 32-3	HARVEY 7N	184	NOBLE ENERGY INC	6/23/1987	SI	305	480	4371-4765	7099	6270	OPTION 1 OR 2	
05-123-13444	HAMBERT R G 32-4	HARVEY 3N	54	PATINA OIL & GAS CORPORATION	6/6/1987	PA	303	420	0, 226-594, 4236-4	7123	6416	Well does not require mitigation	
05-123-13445	HAMBERT R G 32-5	HARVEY 2N	125	NOBLE ENERGY INC	7/18/1987	PR	321	420	4242-4776	7010	6595	OPTION 1 OR 2	
05-123-13446	HAMBERT R G 32-6	HARVEY 6N	96	NOBLE ENERGY INC	7/12/1987	PR	303	420	4180-4767	7045	6215	OPTION 1 OR 2	
05-123-13447	HAMBERT R G 32-7	HARVEY 10N	136	NOBLE ENERGY INC	6/11/1987	PR	310	420	0-2505, 3650-4760	6998	6200	Well does not require mitigation	
05-123-13448	HAMBERT R G 32-8	HARVEY 15N	103	NOBLE ENERGY INC	7/28/1987	PR	309	480		6956	6318	OPTION 1 OR 2	
05-123-13719	KRAUSE 2-28	HARVEY 16N	944	NOBLE ENERGY INC	12/14/1987	PR	389	480		6999	4300	OPTION 1 OR 2	
05-123-13969	PESCHEL 24-20	HARVEY 6N	660	PDC ENERGY INC	6/27/1988	PA	416	480	0-601, 3410-4662	6929	6805	Well does not require mitigation	
05-123-14079	PESCHEL 44-20S	HARVEY 15N	780	BATAA OIL, INC.	10/31/1988	PA	434	480		N/A	0	Shallow Offset - Sussex Only Well	
05-123-14080	BOHLENDER 29-3	HARVEY 15N	153	NOBLE ENERGY INC	10/23/1988	PR	505	480		6988	6487	OPTION 1 OR 2	
05-123-14244	PESCHEL 14-20	HARVEY 3N	621	PDC ENERGY INC	3/23/1989	PA	422	376	0-510, 1650-1750	6899	6628	Well does not require mitigation	
05-123-14449	BOHLENDER 33-5	HARVEY 16N	793	NOBLE ENERGY INC	11/17/1989	SI	432	480		6894	6548	OPTION 1 OR 2	
05-123-14899	SCHMIDT 19-16G	HARVEY 1N	1089	NOBLE ENERGY INC	3/9/1991	SI	510	358	4050-5170	6933	6306	Well does not require mitigation	
05-123-15071	MUSICK MCCLINTOCK 7	HARVEY 11N	82	KP KAUFFMAN COMPANY INC	6/28/1991	PR	341	420		N/A	0	Shallow Offset - Sussex Only Well	
05-123-15190	BOHLENDER 33-22	HARVEY 16N	1106	NOBLE ENERGY INC	9/1/1991	SI	495	480	3996-4850	6919	6545	OPTION 1 OR 2	
05-123-15309	HSR-FRISBIE 16-29A	HARVEY 14N	174	NOBLE ENERGY INC	10/24/1991	PR	511	480	4200-4750	7050	6728	OPTION 1 OR 2	
05-123-15310	HSR-MUNDS 13-29	HARVEY 2N	163	NOBLE ENERGY INC	11/7/1991	SI	499	420	0-728, 4000-5246	6973	6592	Well does not require mitigation	
05-123-15337	HSR-MAYA 4-29	HARVEY 3N	41	NOBLE ENERGY INC	11/17/1991	PA	444	480	50-650, 3979-494	6952	6560	Well does not require mitigation	
05-123-15338	HSR-RAY 3-29	HARVEY 6N	41	NOBLE ENERGY INC	11/12/1991	PR	438	480	0-1706, 3806-4639	6957	6406	Well does not require mitigation	
05-123-15339	HSR-WRIGHT 9-29A	HARVEY 14N	18	NOBLE ENERGY INC	10/31/1991	PR	509	480	4090-5260	7080	6672	OPTION 1 OR 2	
05-123-15340	HSR-CROUSE 5-29	HARVEY 3N	89	NOBLE ENERGY INC	12/2/1991	PA	456	480	0-604, 4110-5150	6989	6545	Well does not require mitigation	
05-123-15341	HSR-DICKERSON 14-29A	HARVEY 6N	8	NOBLE ENERGY INC	12/19/1991	SI	513	480	4198-4964	6976	6470	OPTION 1 OR 2	
05-123-15407	HSR-SALISBURY 6-29	HARVEY 6N	46	NOBLE ENERGY INC	11/22/1991	PR	461	480	4102-4698	6988	6613	OPTION 1 OR 2	

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 Setting Depth	Base of Fox Hills (DJ) or Depth of Deepest Water Well (Statewide)	Historical Remedial Work to Provide Fox Hills Coverage (DJ Only)	Offset Well Objective Formation Top	Offset Well Top of Production Casing Cement	Required Comments
05-123-15408	HSR-CARTER 11-29	HARVEY 7N	128	NOBLE ENERGY INC	11/27/1991	PR	489	480	4190-5131	6381	6280	OPTION 1 OR 2
05-123-15455	HSR-FROELICH 12-29A	HARVEY 3N	122	NOBLE ENERGY INC	12/8/1991	PR	464	480	4100-5200	6957	6486	OPTION 1 OR 2
05-123-15463	HSR-TEAGLE 10-29A	HARVEY 10N	73	NOBLE ENERGY INC	12/14/1991	SI	489	480	394-586, 4160-529	6987	6608	Well does not require mitigation
05-123-15483	HSR-SCHREIBER 1-30	HARVEY 1N	778	NOBLE ENERGY INC	12/26/1991	PA	425	387	0-545, 3998-4928	6994	6366	Well does not require mitigation
05-123-15484	HSR-VASSER 8-30	HARVEY 1N	972	NOBLE ENERGY INC	12/31/1991	PA	444	403	0-516, 4000-5072	6947	6648	Well does not require mitigation
05-123-16008	LAND 31-11	HARVEY 1N	744	NOBLE ENERGY INC	8/10/1992	SI	512	420	0-654, 3989-4823	6990	6395	Well does not require mitigation
05-123-16016	UPRC 31-16G	HARVEY 1N	941	NOBLE ENERGY INC	8/16/1992	PR	600	549	4368-4833	7031	6306	Well does not require mitigation
05-123-16017	UPRC 31-9G	HARVEY 1N	710	NOBLE ENERGY INC	8/21/1992	SI	605	506	4285-4800	6996	6594	Well does not require mitigation
05-123-16264	HSR-NICHOLS 15-32	HARVEY 11N	107	NOBLE ENERGY INC	10/8/1992	PR	535	420	4022-4968	6993	6262	Well does not require mitigation