

## OFFSET WELL EVALUATIONS

No.	Meet STD	Offset Well API #	Well Name	Nearest Proposed Horizontal Well Name	Shortest Horizontal Distance From Offset Well to any Proposed HZ Well	Offset Well Operator	Spud Date	Offset Well Status	Setting Depth	Base of Fox Hills or Depth of Deepest Water Well	Historical Remedial Work to provide Fox Hills Coverage	Objective Formation Top	Productive Casing Cement Top
1	x	05-123-12461	LORENZ 1	J Clark 2N	630	AMOCO PRODUCTION COMPANY		AL					
2	x	05-123-12580	CAESAR 3-11	J Clark 16N	368	PDC ENERGY INC	10/05/1985	PA	330	363		6618	6116
3	x	05-123-12592	CAESAR 4-11	J Clark 8N	32	PDC ENERGY INC	10/26/1985	PR	337	363		6640	6070
4	x	05-123-12598	BONERTZ 1	J Clark 1C	825	PDC ENERGY INC	09/16/1985	PR	300	120		6599	5706
5	x	05-123-12611	CAESAR 1-14	J Clark 2N	657	PDC ENERGY INC	09/13/1985	PA	340	363		6619	6382
6	x	05-123-12623	SETH JONES 1	J Clark 13N	35	NOBLE ENERGY INC	09/09/1985	PA	566	363		6600	6100
7	x	05-123-12759	JAMES CLARK GAS UNIT 1	J Clark 13N	835	PDC ENERGY INC	10/28/1985	PA	590	363		6625	3878
8	x	05-123-13121	GEISERT 1-11	J Clark 16N	791	EXTRACTION OIL & GAS INC	10/29/1986	SI	325	263		6612	5970
9	x	05-123-13230	GEISERT 8-11	J Clark 16N	476	EXTRACTION OIL & GAS INC	11/04/1986	SI	325	263		6632	6050
10	x	05-123-13470	JONES 4-11	J Clark 3N	11	PDC ENERGY INC	06/03/1987	PR	326	263		6635	6120
11	x	05-123-13471	YAKLICH 5-11	J Clark 2N	1118	PDC ENERGY INC	05/20/2008	PR	295	120		6647	6200
12		05-123-13581	GEISERT 7-11	J Clark 12N	3	SRC ENERGY INC	09/03/1987	PR	304	263		6623	6148
13	x	05-123-14097	YAKLICH-PM F 11-3	J Clark 8N	86	SRC ENERGY INC	02/21/1989	SI	347	120		6645	6218
14	x	05-123-14098	YAKLICH-PM F 11-6	J Clark 8N	1	SRC ENERGY INC	02/13/1989	SI	314	120		6634	6176
15	x	05-123-14118	JOHNSON-PM F 11-12	J Clark 2N	25	NOBLE ENERGY INC	02/27/1989	SI	310	120		6620	6194
16	x	05-123-14119	OSTER-PM F 11 -13	J Clark 3N	102	SRC ENERGY INC	03/05/1989	SI	314	363		6620	6190
17	x	05-123-15361	MYERS 14-21	J Clark 8N	919	NOBLE ENERGY INC	12/17/1991	SI	459	363		6654	6128
18	x	05-123-18104	GREELEY 11- 9H5	J Clark 16N	544	SNYDER OIL CORP		AL					
19	x	05-123-18252	DPB BIRD FARM 2-16H5	J Clark 16N	1077	SNYDER OIL CORP		AL					
20		05-123-20070	MCDONNELL 11 -31	J Clark 8N	109	SRC ENERGY INC	12/05/2000	SI	358	363		6651	4200
21	x	05-123-20075	BETH 1	J Clark 16N	818	PDC ENERGY INC	06/22/2001	PA	374	363		6630	216
22	x	05-123-20153	BONERTZ 41-10	J Clark 1C	638	PDC ENERGY INC	12/31/2011	PR	406	263		6600	3300
23	x	05-123-20546	CARLSON HA 41-15	J Clark 1C	1341	EXTRACTION OIL & GAS INC	08/05/2001	PR	414	363		6752	3254
24	x	05-123-21413	TURNER 44-10	J Clark 1C	799	EXTRACTION OIL & GAS INC	04/27/2003	SI	412	363		6640	6120
25	x	05-123-21868	SAM F 11-9	J Clark 16N	544	NOBLE ENERGY INC		AL					
26	x	05-123-22368	NELSON 43-10	J Clark 1C	960	EXTRACTION OIL & GAS INC	09/17/2004	SI	410	300		6650	3150
27	x	05-123-25287	GEISERT F 2-16	J Clark 16N	1245	NOBLE ENERGY INC	05/27/2008	PR	433	263		6581	1600
28	x	05-123-25816	DPG F 11-19	J Clark 8N	5	NOBLE ENERGY INC		AL					
29	x	05-123-26602	SAM F 11-9	J Clark 16N	692	SRC ENERGY INC	01/02/2008	SI	484	363		6616	1269
30	x	05-123-26733	MARCY 34-11	J Clark 13N	62	PDC ENERGY INC	11/08/2008	PR	439	363		6638	1740
31	x	05-123-26995	GWAA 2-43 (DIR)	J Clark 13N	1004	NOBLE ENERGY INC	11/08/2008	PR	392	363		6705	0
32	x	05-123-27018	GWAA 2-45	J Clark 15N	1376	NOBLE ENERGY INC	11/07/2008	PR	393	363		6652	68

33	x	05-123-27068	GWAA 2-33 (DIR)	J Clark 2N	1079	NOBLE ENERGY INC	09/27/2008	SI	414	263		6635	0
34	x	05-123-27069	GWAA 2-34 (DIR)	J Clark 8N	1242	NOBLE ENERGY INC	09/19/2008	SI	415	263		6664	0
35	x	05-123-28101	ISRAEL F 11-33D	J Clark 3N	48	NOBLE ENERGY INC		AL					
36	x	05-123-28102	ISRAEL F 11-25D	J Clark 3N	68	NOBLE ENERGY INC		AL					
37	x	05-123-29467	DPG F 11-20	J Clark 6N	53	NOBLE ENERGY INC		AL					
38	x	05-123-29504	DPG F 11-18D	J Clark 8N	29	NOBLE ENERGY INC		AL					
39	x	05-123-35083	DPG FARMS 20-11	J Clark 15N	35	KERR MCGEE OIL & GAS		AL					
40	x	05-123-35084	DPG FARMS 25-11	J Clark 15N	34	KERR MCGEE OIL & GAS		AL					
41	x	05-123-35085	DPG FARMS 23-11	J Clark 15N	34	KERR MCGEE OIL & GAS		AL					
42	x	05-123-35087	DPG FARMS 24-11	J Clark 15N	34	KERR MCGEE OIL & GAS		AL					
43	x	05-123-35089	DPG FARMS 40-11	J Clark 15N	34	KERR MCGEE OIL & GAS		AL					
44	x	05-123-35090	DPG FARMS 17-11	J Clark 15N	34	KERR MCGEE OIL & GAS		AL					
45	x	05-123-41105	ARELLANO R-10-9HC	J Clark 1C	631	EXTRACTION OIL & GAS INC	03/31/2015	PR	750	300		6783	58
46	x	05-123-41106	ARELLANO K-10-9HN	J Clark 1C	594	EXTRACTION OIL & GAS LLC	03/25/2015	PR	791	300		6679	697
47	x	05-123-41107	ARELLANO M-10-9HC	J Clark 1C	605	EXTRACTION OIL & GAS INC	03/27/2015	PR	791	300		6680	65
48	x	05-123-41108	ARELLANO Q-10-9HN	J Clark 1C	626	EXTRACTION OIL & GAS INC	03/30/2015	PR	791	300		6774	42
49	x	05-123-41109	ARELLANO P-10-9HN	J Clark 1C	620	EXTRACTION OIL & GAS INC	03/30/2015	PR	791	300		6718	30
50	x	05-123-41110	ARELLANO O-10-9HN	J Clark 1C	615	EXTRACTION OIL & GAS INC	03/29/2015	PR	791	300		6685	34
51	x	05-123-41111	ARELLANO S-10-9HN	J Clark 1C	637	EXTRACTION OIL & GAS INC	03/31/2015	PR	791	300		6794	46
52	x	05-123-41112	ARELLANO N-10-9HN	J Clark 1C	610	EXTRACTION OIL & GAS INC	03/29/2015	PR	791	300		6695	20
53	x	05-123-41113	ARELLANO L-10-9HN	J Clark 1C	599	EXTRACTION OIL & GAS INC	03/26/2015	PR	791	300		6792	55
54	x	05-123-41114	ARELLANO T-10-9HN	J Clark 1C	642	EXTRACTION OIL & GAS INC	04/01/2015	PR	791	300		6876	400
55	x	05-123-41709	CARLSON J-15-16HN	J Clark 1C	1369	EXTRACTION OIL & GAS INC	10/07/2015	PR	848	363		7225	41
56	x	05-123-41710	CARLSON B-15-16HC	J Clark 1C	1315	EXTRACTION OIL & GAS INC	07/09/2015	PR	840	363		7016	41
57	x	05-123-41711	CARLSON C-15-16HN	J Clark 1C	1328	EXTRACTION OIL & GAS INC	07/10/2015	PR	842	363		7018	98
58	x	05-123-41712	CARLSON K-15-16HC	J Clark 1C	1376	EXTRACTION OIL & GAS INC	10/07/2015	PR	848	363		7145	44
59	x	05-123-41713	CARLSON E-15-16HC	J Clark 1C	1335	EXTRACTION OIL & GAS INC	07/14/2015	PR	842	363		7005	35
60	x	05-123-41714	CARLSON D-15-16HN	J Clark 1C	1329	EXTRACTION OIL & GAS INC	07/14/2015	PR	841	363		7134	38
61	x	05-123-41715	CARLSON L-15-16HN	J Clark 1C	1384	EXTRACTION OIL & GAS INC	10/08/2015	PR	843	363		7239	36
62	x	05-123-41716	CARLSON F-15-16HN	J Clark 1C	1341	EXTRACTION OIL & GAS INC	07/15/2015	PR	843	363		7059	83
63	x	05-123-41717	CARLSON H-15-16HC	J Clark 1C	1355	EXTRACTION OIL & GAS INC	07/17/2015	PR	839	363		7038	470
64	x	05-123-41718	CARLSON G-15-16HN	J Clark 1C	1348	EXTRACTION OIL & GAS INC	07/16/2015	PR	839	363		7168	0
65	x	05-123-41719	CARLSON I-15-16HN	J Clark 1C	1362	EXTRACTION OIL & GAS INC	10/06/2015	PR	848	363		7109	44
66	x	05-123-41720	CARLSON A-15-16HN	J Clark 1C	1309	EXTRACTION OIL & GAS INC	07/09/2015	PR	839	363		7222	52
67	x	05-123-42655	BROWN 23X-241	J Clark 16N	908	PDC ENERGY INC	02/22/2017	PR	1450	350			0
68	x	05-123-42656	BROWN 23D-421	J Clark 16N	201	PDC ENERGY INC	02/03/2017	PR	1450	363			0
69	x	05-123-42657	BROWN 23P-221	J Clark 12N	107	PDC ENERGY INC	01/06/2017	PR	1450	363			0

70	x	05-123-42658	BROWN 23X-341	J Clark 16N	606	PDC ENERGY INC	02/15/2017	PR	1450	350			0
71	x	05-123-42659	BROWN 23D-341	J Clark 14N	117	PDC ENERGY INC	01/18/2017	PR	1450	363			0
72	x	05-123-42660	BROWN 23D-201	J Clark 15N	65	PDC ENERGY INC	01/26/2017	PR	1450	363			0
73	x	05-123-42661	BROWN 23P-201	J Clark 10N	79	PDC ENERGY INC	12/04/2016	PR	1450	363			0
74	x	05-123-42681	BROWN 23P-321	J Clark 11N	70	PDC ENERGY INC	12/27/2016	PR	1450	363			0
75	x	05-123-43384	CLARK 14J-343	J Clark 12N	610	PDC ENERGY INC	12/07/2016	PR	1546	363	6977		550
76	x	05-123-43385	CLARK 14M-343	J Clark 12N	613	PDC ENERGY INC	01/13/2017	PR	1559	363	6808		0
77	x	05-123-43386	CLARK 14J-203	J Clark 12N	609	PDC ENERGY INC	12/17/2016	PR	1545	363	6956		1150
78	x	05-123-43387	CLARK 14J-303	J Clark 12N	613	PDC ENERGY INC	12/26/2016	PR	1544	363	6918		150
79	x	05-123-43388	CLARK 14J-223	J Clark 12N	613	PDC ENERGY INC	01/04/2017	PR	1553	363	6889		850
80	x	05-123-43439	ALLES 22L-241	J Clark 3N	605	PDC ENERGY INC	02/12/2017	PR	1646	363	6909		0
81	x	05-123-43443	ALLES 22I-401	J Clark 1C	640	PDC ENERGY INC	01/24/2017	PR	1648	363	6735		0
82	x	05-123-43449	ALLES 22I-321	J Clark 2N	617	PDC ENERGY INC	02/04/2017	PR	1680	363	6781		1050
83	x	05-123-44579	FERN 11U-434	J Clark 3N	321	PDC ENERGY INC		XX					
84	x	05-123-44580	FERN 11U-334	J Clark 3N	306	PDC ENERGY INC		XX					
85	x	05-123-44581	FERN 11V-304	J Clark 3N	279	PDC ENERGY INC		XX					
86	x	05-123-44582	FERN 11V-234	J Clark 3N	238	PDC ENERGY INC		XX					
87	x	05-123-44583	FERN 11W-214	J Clark 3N	214	PDC ENERGY INC		XX					
88	x	05-123-44584	FERN 11V-204	J Clark 3N	267	PDC ENERGY INC		XX					
89	x	05-123-44585	FERN 11V-214	J Clark 3N	294	PDC ENERGY INC		XX					
90	x	05-123-44586	FERN 11U-204	J Clark 3N	334	PDC ENERGY INC		XX					
91	x	05-123-44587	FERN 11W-314	J Clark 3N	228	PDC ENERGY INC		XX					
92	x	05-123-44588	FERN 11V-334	J Clark 3N	254	PDC ENERGY INC		XX					
93	x	05-123-44970	HIGH PLAINS 25F-301	J Clark 16N	1225	PDC ENERGY INC		XX					
94	x	05-123-45681	BARR 11I-221	J Clark 16N	694	PDC ENERGY INC		XX					
95	x	05-123-45682	BARR 11L-301	J Clark 16N	757	PDC ENERGY INC		XX					
96	x	05-123-45683	BARR 11L-221	J Clark 16N	770	PDC ENERGY INC		XX					
97	x	05-123-45684	BARR 3N	J Clark 2N	54	PDC ENERGY INC		XX					
98	x	05-123-45685	BARR 11L-341	J Clark 16N	711	PDC ENERGY INC		XX					
99	x	05-123-45686	BARR 4N	J Clark 2N	50	PDC ENERGY INC		XX					
100	x	05-123-45687	BARR 11I-301	J Clark 16N	681	PDC ENERGY INC		XX					
101	x	05-123-45688	BARR 11L-401	J Clark 16N	740	PDC ENERGY INC		XX					
102	x	05-123-45689	BARR 11L-321	J Clark 16N	786	PDC ENERGY INC		XX					
103	x	05-123-45690	BARR 2N	J Clark 2N	54	PDC ENERGY INC		XX					
104	x	05-123-45691	BARR 1N	J Clark 2N	54	PDC ENERGY INC		XX					
105	x	05-123-45692	BARR 11L-201	J Clark 16N	727	PDC ENERGY INC		XX					

Total Wells:	<u>105</u>
Meets Standard(STD):	<u>103</u>
Needs Evaluation:	<u>2</u>