

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		05-123-09290	2 IONE C	CASTLE PINES 19-5HZ	8	PETERSON ENERGY OPERATING INC	09/14/1977	PA	215	722		4500	0
2		05-123-10548	2 MILLARD	CASTLE PINES 19-6HZ	11	K P KAUFFMAN COMPANY INC	01/18/1982	PR	202	722		4580	0
3		05-123-14634	2-19 BANGERT	CASTLE PINES 19-11HZ	14	CRESTONE PEAK RESOURCES OPERATING LLC	06/13/1990	PR	717	722		7108	6530
4		05-123-20787	34-30 EWING	CASTLE PINES 19-6HZ	20	CRESTONE PEAK RESOURCES OPERATING LLC	02/22/2002	PR	778	722		7189	6620
5		05-123-11812	1 DALE EWING	CASTLE PINES 19-12HZ	22	CRESTONE PEAK RESOURCES OPERATING LLC	06/13/1984	TA	726	722		7140	7050
6	x	05-123-21240	31-8D GNB W	CASTLE PINES 19-10HZ	26	NOBLE ENERGY PRODUCTION INC		AL		722			
7		05-123-21065	BANGERT 31-19	CASTLE PINES 19-7HZ	30	ENCANA ENERGY RESOURCES INC	04/05/2003	PA	687	722		7259	6600
8		05-123-20177	9-18A HSR-CANNON	CASTLE PINES 19-15HZ	31	KERR MCGEE OIL & GAS ONSHORE LP	01/11/2001	SI	674	722		7393	6282
9		05-123-20689	15-18A CANNON	CASTLE PINES 19-3HZ	31	KERR MCGEE OIL & GAS ONSHORE LP	12/18/2001	PA	676	722		7387	6652
10		05-123-08644	1 MILLARD	CASTLE PINES 19-6HZ	33	K P KAUFFMAN COMPANY INC	04/13/1976	SI	691	722		4590	0
11		05-123-19930	33-30 EWING	CASTLE PINES 19-6HZ	38	CRESTONE PEAK RESOURCES OPERATING LLC	09/28/2000	PR	769	722		7141	6800
12		05-123-07961	1 MATT	CASTLE PINES 19-1HZ	41	GERRITY OIL & GAS CORP	12/17/1973	PA	610	722		4360	0
13		05-123-20780	2-18A MCPEEK	CASTLE PINES 19-3HZ	42	KERR MCGEE OIL & GAS ONSHORE LP	02/16/2002	SI	637	722		7376	7000
14		05-123-14619	3-19 BANGERT	CASTLE PINES 19-7HZ	44	CRESTONE PEAK RESOURCES OPERATING LLC	06/02/1990	PR	609	722		7102	0
15		05-123-37364	19-42 Bangert	CASTLE PINES 19-17HZ	54	SUNDANCE ENERGY INC		AL		722			
16		05-123-37365	19-51 Bangert	CASTLE PINES 19-17HZ	54	SUNDANCE ENERGY INC		AL		722			
17		05-123-37366	19-41 Bangert	CASTLE PINES 19-17HZ	54	SUNDANCE ENERGY INC		AL		722			
18		05-123-37454	19-3Ae Bangert	CASTLE PINES 19-17HZ	54	SUNDANCE ENERGY INC		AL		722			
19	x	05-123-14594	43-30 MILLARD	CASTLE PINES 19-16HZ	58	K P KAUFFMAN COMPANY INC	06/01/1990	PR	711	722		4454	0
20		05-123-19175	DONALD VYNCKIER GAS UNIT B #2	CASTLE PINES 19-10HZ	59	KERR MCGEE OIL & GAS ONSHORE LP	05/24/1996	PR	840	722		7830	7354

21		05-123-08074	1 PARKER	CASTLE PINES 19-5HZ	59	K P KAUFFMAN COMPANY INC	06/22/1974	SI	608	722		4562	0
22		05-123-08744	2 TIFFANY	CASTLE PINES 19-13HZ	67	BASIN EXPLORATION INC	06/29/1976	PA	222	722		4512	0
23	x	05-123-21282	43-30 EWING	CASTLE PINES 19-16HZ	68	CRESTONE PEAK RESOURCES OPERATING LLC	03/10/2003	PR	771	722		7442	6700
24		05-123-22043	7-18 CANNON LAND	CASTLE PINES 19-5HZ	70	KERR MCGEE OIL & GAS ONSHORE LP	03/06/2004	PR	680	722		7122	3620
25		05-123-07965	1 IONE C	CASTLE PINES 19-15HZ	76	PETERSON ENERGY OPERATING INC	12/01/1973	PA	185	722		4447	0
26		05-123-08583	1 TIFFANY	CASTLE PINES 19-5HZ	78	BASIN EXPLORATION INC	12/13/1975	PA	233	722		4513	0
27	x	05-123-21291	44-30 EWING	CASTLE PINES 19-16HZ	83	ENCANA OIL & GAS (USA) INC		AL		722			
28		05-123-07371	1 COUNTER BEN F.	CASTLE PINES 19-12HZ	89	TOP OPERATING COMPANY	12/07/1971	PA	216	722		7229	7418
29	x	05-123-08035	2 COUNTER	CASTLE PINES 19-14HZ	97	TOP OPERATING COMPANY	06/27/1974	SI	512	722		4383	0
30		05-123-07964	1 CLC UNIT	CASTLE PINES 19-15HZ	106	PETERSON ENERGY OPERATING INC	12/05/1973	PA	226	722		4464	0
31	x	05-123-10297	3 COUNTER	CASTLE PINES 19-16HZ	110	TOP OPERATING COMPANY	06/29/1981	SI	545	722		4550	0
32		05-123-21879	1-18 CANNON	CASTLE PINES 19-13HZ	110	KERR MCGEE OIL & GAS ONSHORE LP	03/11/2004	PR	676	722		7118	6584
33		05-123-08221	4 GREAT WESTERN SUGAR CO	CASTLE PINES 19-6HZ	110	XO EXPLORATION INC	06/02/1975	PA	223	722		4482	0
34	x	05-123-08017	1 NEFF	CASTLE PINES 19-14HZ	115	K P KAUFFMAN COMPANY INC	04/24/1974	PR	597	722		4484	0
35		05-123-08774	2 NEFF	CASTLE PINES 19-13HZ	117	K P KAUFFMAN COMPANY INC	08/21/1976	SI	620	722		4478	0
36		05-123-07975	42-19 BANGERT	CASTLE PINES 19-15HZ	120	EXTRACTION OIL & GAS INC	10/11/1974	PR	600	722		4576	0
37		05-123-08743	2 CLC UNIT B	CASTLE PINES 19-15HZ	126	K P KAUFFMAN COMPANY INC	06/25/1976	PA	215	722		4522	0
38		05-123-08957	2 CLC UNIT	CASTLE PINES 19-5HZ	128	PETERSON ENERGY OPERATING INC	10/11/1976	PA	208	722		4552	0
39		05-123-19730	43-19 BANGERT	CASTLE PINES 19-13HZ	131	CRESTONE PEAK RESOURCES OPERATING LLC	01/20/1999	PR	733	722		7099	0
40		05-123-08711	2 PARKER	CASTLE PINES 19-5HZ	133	K P KAUFFMAN COMPANY INC	05/29/1976	SI	569	722		4490	3900
41		05-123-20850	34-19 BANGERT	CASTLE PINES 19-6HZ	136	CRESTONE PEAK RESOURCES OPERATING LLC	05/05/2002	PR	765	722		7103	6730
42		05-123-08363	1 KELLY GAS UNIT	CASTLE PINES 19-9HZ	136	KERR MCGEE OIL & GAS ONSHORE LP	04/25/1975	PR	228	722		7368	7090
43		05-123-08399	1 WATKINS	CASTLE PINES 19-6HZ	138	WRIGHTS OIL & GAS	07/03/1975	PA	492	722		4494	0
44	x	05-123-20152	44-19 BANGERT	CASTLE PINES 19-13HZ	140	CRESTONE PEAK RESOURCES OPERATING LLC	12/16/2000	PR	786	722		7187	6625

45		05-123-19880	BANGERT 32-19	CASTLE PINES 19-5HZ	142	CRESTONE PEAK RESOURCES OPERATING LLC	01/28/2000	PR	750	722		7250	6550
46		05-123-09150	41-19 BANGERT	CASTLE PINES 19-15HZ	146	EXTRACTION OIL & GAS INC	03/17/1977	PR	607	722		4540	0
47		05-123-20852	33-19 BANGERT	CASTLE PINES 19-5HZ	147	CRESTONE PEAK RESOURCES OPERATING LLC	04/29/2002	PR	777	722		7095	6000
48		05-123-10075	2 CLC GAS UNIT	CASTLE PINES 19-9HZ	158	KERR MCGEE OIL & GAS ONSHORE LP	12/26/1980	SI	572	722	x	7386	6760
49		05-123-08046	1 CLC UNIT B	CASTLE PINES 19-3HZ	165	K P KAUFFMAN COMPANY INC	05/17/1974	PA	210	722		4512	0
50		05-123-08729	2 MATT	CASTLE PINES 19-3HZ	168	GERRITY OIL & GAS CORP	06/09/1976	PA	590	722		4540	0
51		05-123-08385	31-2J GNB W	CASTLE PINES 19-8HZ	173	KERR MCGEE OIL & GAS ONSHORE LP	05/19/1975	SI	690	722		7025	6440
52		05-123-21220	INOUE 15-31A	CASTLE PINES 19-6HZ	185	KERR MCGEE OIL & GAS ONSHORE LP	12/21/2002	PR	825	722		7690	2700
53	x	05-123-42396	LAND FED 34N-32HZ	CASTLE PINES 19-18HZ	312	KERR MCGEE OIL & GAS ONSHORE LP	05/22/2016	PR	1890	722		7553	122
54		05-123-20824	31-6D GNB W	CASTLE PINES 19-2HZ	319	KERR MCGEE OIL & GAS ONSHORE LP	07/29/2002	PA	788	722		7150	6795
55	x	05-123-42401	LAND FED 30C-29HZ	CASTLE PINES 19-18HZ	356	KERR MCGEE OIL & GAS ONSHORE LP	05/14/2016	PR	1890	722		7292	0
56	x	05-123-42395	LAND FED 34C-32HZ	CASTLE PINES 19-18HZ	513	KERR MCGEE OIL & GAS ONSHORE LP	05/15/2016	PR	1921	722		7479	44
57	x	05-123-42398	LAND FED 30N-29HZ	CASTLE PINES 19-18HZ	572	KERR MCGEE OIL & GAS ONSHORE LP	05/22/2016	PR	1852	722		7412	0
58		05-123-20765	6-18 CANNON	CASTLE PINES 19-1HZ	584	KERR MCGEE OIL & GAS ONSHORE LP	02/09/2002	SI	642	722		7108	6380
59		05-123-23503	16-7 HERMAN FEDERAL	CASTLE PINES 19-13HZ	604	KERR MCGEE OIL & GAS ONSHORE LP	03/21/2006	SI	666	722		7097	3920
60	x	05-123-37033	KUNZMAN FEDERAL 13C-8HZ	CASTLE PINES 19-17HZ	610	KERR MCGEE OIL & GAS ONSHORE LP	08/11/2013	PR	872	722		7398	0
61	x	05-123-19736	W 32-05di APPEL HEIRS FEDERAL	CASTLE PINES 19-18HZ	618	KERR MCGEE OIL & GAS ONSHORE LP	09/02/1999	PA	901	722	x	7150	0
62		05-123-20601	24-19 MURATA	CASTLE PINES 19-2HZ	628	CRESTONE PEAK RESOURCES OPERATING LLC	11/25/2001	PR	680	722		7114	6602
63		05-123-16902	19-3 HEIN W	CASTLE PINES 19-1HZ	686	KERR MCGEE OIL & GAS ONSHORE LP	09/01/1993	PR	615	722		7114	6674
64		05-123-08569	1 HIGHLAND	CASTLE PINES 19-1HZ	696	PETERSON ENERGY OPERATING INC	12/09/1975	PA	223	722		4503	0
65		05-123-08580	1 ALFRED HERMAN UNIT	CASTLE PINES 19-13HZ	696	K P KAUFFMAN COMPANY INC	12/06/1975	PR	621	722		4552	0
66		05-123-21149	4-17A CANNON FEDERAL	CASTLE PINES 19-17HZ	722	KERR MCGEE OIL & GAS ONSHORE LP	11/01/2002	PA	669	722		7089	6753
67		05-123-08321	2 SCHNEIDER	CASTLE PINES 19-2HZ	776	SNYDER OIL CORP	06/27/1975	PA	507	722		4478	0
68		05-123-08628	1 HALL	CASTLE PINES 19-1HZ	779	K P KAUFFMAN COMPANY INC	03/26/1976	PA	209	722		4485	0
69		05-123-08386	22-19 MURATA	CASTLE PINES 19-1HZ	787	MACHII-ROSS PETROLEUM CO	04/27/1975	PA	597	722		4584	0

70		05-123-19733	21-19 MURATA	CASTLE PINES 19-1HZ	795	CRESTONE PEAK RESOURCES OPERATING LLC	10/16/1999	PR	630	722		7109	6700
71		05-123-22883	14-19 DECHANT	CASTLE PINES 19-2HZ	818	KERR MCGEE OIL & GAS ONSHORE LP		AL		722			
72		05-123-07867	2 IONE-FEDERAL	CASTLE PINES 19-17HZ	827	H & R WELL SERVICES	10/09/1973	PA	218	722		4524	0
73		05-123-08956	4 IONE FEDERAL	CASTLE PINES 19-17HZ	828	H & R WELL SERVICES	10/15/1976	PA	213	722		4547	0
74		05-123-08903	2 ALFRED HERMAN UNIT	CASTLE PINES 19-5HZ	842	K P KAUFFMAN COMPANY INC	08/28/1976	PR	662	722		4528	0
75		05-123-16906	19-11 HEIN W	CASTLE PINES 19-1HZ	849	KERR MCGEE OIL & GAS ONSHORE LP	09/12/1993	SI	660	722		7104	6778
76		05-123-19754	15-7A HSR-HERMAN FEDERAL	CASTLE PINES 19-3HZ	858	KERR MCGEE OIL & GAS ONSHORE LP	03/27/1999	SI	819	722		7358	6480
77		05-123-20290	11-31A HSR-INOUE	CASTLE PINES 19-2HZ	858	KERR MCGEE OIL & GAS ONSHORE LP	03/21/2001	PR	814	722		7146	6350
78		05-123-23187	23-30 EWING	CASTLE PINES 19-2HZ	876	CRESTONE PEAK RESOURCES OPERATING LLC	04/22/2005	PR	773	722		7181	6800
79		05-123-21842	3-18 MCPEEK	CASTLE PINES 19-1HZ	880	KERR MCGEE OIL & GAS ONSHORE LP	12/10/2003	PR	669	722		7099	6632
80		05-123-15997	24-30 SHANNON	CASTLE PINES 19-2HZ	889	K P KAUFFMAN COMPANY INC	09/08/1992	PR	312	722		4590	0
81	x	05-123-08026	1 APPEL	CASTLE PINES 19-18HZ	913	MARTIN OIL SERVICE INC	04/22/1974	DA	606	722		4595	0
82		05-123-19729	23-19 MURATA	CASTLE PINES 19-1HZ	956	CRESTONE PEAK RESOURCES OPERATING LLC	03/10/1999	PR	701	722		7095	0
83		05-123-15000	GNB W 31-3	CASTLE PINES 19-2HZ	968	KERR MCGEE OIL & GAS ONSHORE LP	05/11/1991	TA	663	722	x	7134	6275
84		05-123-09395	2 HIGHLAND	CASTLE PINES 19-1HZ	976	PETERSON ENERGY OPERATING INC	01/30/1978	PA	588	722		4590	0
85		05-123-20861	14-7A HERMAN FEDERAL	CASTLE PINES 19-1HZ	978	KERR MCGEE OIL & GAS ONSHORE LP	04/22/2002	SI	835	722		7090	6600
86		05-123-16905	W 19-6 HEIN	CASTLE PINES 19-1HZ	987	KERR MCGEE OIL & GAS ONSHORE LP	09/07/1993	TA	611	722		7100	6506
87		05-123-23521	12-17 ANDERS	CASTLE PINES 19-17HZ	996	KERR MCGEE OIL & GAS ONSHORE LP	03/01/2006	PR	847	722		7124	3762
88		05-123-07831	5 NESSU	CASTLE PINES 19-17HZ	1003	H & R WELL SERVICES	09/04/1973	PA	224	722		4560	0
89		05-123-08810	4 NESSU	CASTLE PINES 19-17HZ	1009	HYNDREX RESOURCES	07/06/1976	PR	661	722		4568	0
90		05-123-08812	12 NESSU	CASTLE PINES 19-17HZ	1020	H & R WELL SERVICES	07/10/1976	PA	670	722		4558	0
91		05-123-09397	2 HALL	CASTLE PINES 19-1HZ	1021	K P KAUFFMAN COMPANY INC	01/25/1978	PA	588	722		4512	0
92		05-123-20954	22-19 J MURATA	CASTLE PINES 19-1HZ	1024	ENCANA ENERGY RESOURCES INC		AL		722			
93		05-123-19910	5-17A HSR CANNON FEDERAL	CASTLE PINES 19-17HZ	1025	KERR MCGEE OIL & GAS ONSHORE LP	03/12/2000	SI	686	722		7112	6550

94		05-123-09589	2 WATKINS	CASTLE PINES 19-2HZ	1029	TOP OPERATING COMPANY	09/05/1978	PA	521	722		4535	3800
95		05-123-07830	1 UPRR 42 PAN AM K	CASTLE PINES 19-17HZ	1032	K P KAUFFMAN COMPANY INC	10/25/1973	PR	646	722		4550	0
96	x	05-123-08784	2 SUCCO	CASTLE PINES 19-17HZ	1040	PETERSON ENERGY OPERATING INC	07/25/1976	PA	654	722		4371	0
97		05-123-08230	1 CLC GAS UNIT	CASTLE PINES 19-1HZ	1042	KERR MCGEE OIL & GAS ONSHORE LP	01/16/1975	PA	244	722	x	7150	6480
98		05-123-08018	13 LAMB-DALTON NESSU	CASTLE PINES 19-17HZ	1076	HYNDREX RESOURCES	04/11/1974	PR	602	722		4576	0
99	x	05-123-19801	14-20 SUCCO	CASTLE PINES 19-17HZ	1091	BATAA OIL		AL		722			
100		05-123-16847	W 31-06 GNB	CASTLE PINES 19-2HZ	1097	KERR MCGEE OIL & GAS ONSHORE LP	01/15/1995	SI	772	722		7204	6622
101	x	05-123-20083	SHIVERS W FEDERAL 29-4JI	CASTLE PINES 19-18HZ	1101	KERR MCGEE OIL & GAS ONSHORE LP	11/11/2000	PA	789	722		7090	6738
102	x	05-123-09050	3 APPEL	CASTLE PINES 19-18HZ	1102	MARTIN OIL SERVICE INC	12/09/1977	DA	677	722		4580	0
103		05-123-08681	1 ALFRED HERMAN UNIT B	CASTLE PINES 19-1HZ	1106	K P KAUFFMAN COMPANY INC	05/03/1976	PR	580	722		4491	0
104	x	05-123-08029	2 APPEL	CASTLE PINES 19-18HZ	1123	FOUNDATION ENERGY MANAGEMENT LLC	05/08/1974	PA	607	722		4520	2982
105		05-123-08806	2 IONE UNIT B	CASTLE PINES 19-17HZ	1125	K P KAUFFMAN COMPANY INC	06/28/1976	PA	628	722		4520	0
106	x	05-123-14913	4-29 APPEL	CASTLE PINES 19-18HZ	1154	KERR MCGEE OIL & GAS ONSHORE LP	02/27/1991	PA	708	722		7106	3550
107	x	05-123-37025	KUNZMAN FEDERAL 13N-8HZ	CASTLE PINES 19-17HZ	1164	KERR MCGEE OIL & GAS ONSHORE LP	08/19/2013	PR	919	722		7358	30
108	x	05-123-42400	LAND FED 13N-32HZ	CASTLE PINES 19-18HZ	1164	KERR MCGEE OIL & GAS ONSHORE LP	05/16/2016	PR	1912	722		7532	845
109		05-123-10118	2 KELLY GAS UNIT	CASTLE PINES 19-1HZ	1229	KERR MCGEE OIL & GAS ONSHORE LP	12/01/1980	PA	614	722		7097	0
110	x	05-123-42281	FL GREENS FEDERAL 30N-5HZ	CASTLE PINES 19-18HZ	1232	KERR MCGEE OIL & GAS ONSHORE LP		DG		722			
111	x	05-123-08542	PUTNAM 1	CASTLE PINES 19-18HZ	1237	PDC ENERGY INC	10/06/1975	PA	680	722		7140	6620
112		05-123-16081	23-30 EWING	CASTLE PINES 19-2HZ	1256	K P KAUFFMAN COMPANY INC	09/12/1992	SI	354	722		4580	0
113	x	05-123-42393	LAND FED 29N-29HZ	CASTLE PINES 19-18HZ	1302	KERR MCGEE OIL & GAS ONSHORE LP	05/16/2016	PR	1893	722		7315	354
114		05-123-24023	1-A DI TA	CASTLE PINES 19-2HZ	1328	TOP OPERATING COMPANY	03/08/2007	PR	711	722		7143	6890
115		05-123-09092	2 DI-TA (JOHN DITIRRO)	CASTLE PINES 19-2HZ	1328	TOP OPERATING COMPANY	01/24/1977	SI	489	722		4559	0
116		05-123-21611	23-30 EWING	CASTLE PINES 19-2HZ	1351	ENCANA OIL & GAS (USA) INC		AL		722			
117	x	05-123-42391	LAND FED 13S-32HZ	CASTLE PINES 19-18HZ	1373	KERR MCGEE OIL & GAS ONSHORE LP		DG		722		7400	0
118	x	05-123-42399	LAND FED 29C-29HZ	CASTLE PINES 19-18HZ	1461	KERR MCGEE OIL & GAS ONSHORE LP	05/20/2016	PR	1872	722		7277	315
119	x	05-123-42397	LAND FED 35C-32HZ	CASTLE PINES 19-18HZ	1495	KERR MCGEE OIL & GAS ONSHORE LP	05/17/2016	PR	1896	722		7354	0

Total Wells:	<u>119</u>
Meets Standard(STD):	<u>29</u>
Needs Evaluation:	<u>90</u>