

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	05-123-29137	BENSLER J 29-17D	SANFORD J29-670	0	NOBLE ENERGY INC	09/27/2009	PR	489	600		7115	930
2	x	05-123-29139	BENSLER J 29-18D	SANFORD J29-670	0	NOBLE ENERGY INC	09/21/2009	PR	517	600		7121	190
3	x	05-123-29136	BENSLER J 29-21D	SANFORD J29-655	0	NOBLE ENERGY INC	09/26/2009	PR	488	600		7486	1310
4	x	05-123-29138	BENSLER J 29-27D	SANFORD J29-660	1116	NOBLE ENERGY INC	09/28/2009	PR	484	600		7101	860
5	x	05-123-13998	BERNHARDT-PM J30-13	SANFORD J30-635	1129	NOBLE ENERGY INC	10/22/1988	PA	313	600		7049	6490
6		05-123-16856	BOOTH 25-11	SANFORD J30-670	1018	NOBLE ENERGY INC	12/02/1993	PR	484	600		7247	6727
7		05-123-17369	BOOTH 25-14	SANFORD J30-650	1078	NOBLE ENERGY INC	12/10/1993	PR	487	600		7198	6677
8	x	05-123-21927	BOOTH N 25-16	SANFORD J30-635	1307	NOBLE ENERGY INC	02/06/2005	PR	726	600		7099	6626
9	x	05-123-23167	BOOTH N 25-23	SANFORD J30-635	1256	NOBLE ENERGY INC	12/19/2005	PR	411	600		7227	2202
10		05-123-21924	BOOTH N 25-9	SANFORD J30-655	1153	NOBLE ENERGY INC	01/31/2005	PR	716	600		7240	6700
11		05-123-20662	CARLSON 10-29	SANFORD J30-655	1123	NOBLE ENERGY INC	01/06/2002	PR	627	600		7082	6514
12		05-123-20688	CARLSON 15-29	SANFORD J29-635	1108	NOBLE ENERGY INC	01/13/2002	PR	638	600		7034	6216
13	x	05-123-21689	CARLSON 20-29	SANFORD J29-645	1032	NOBLE ENERGY INC	11/17/2003	PR	663	600		7040	3194
14	x	05-123-12504	COLTRANE-IGO 1	SANFORD J29-645	1097	NOBLE ENERGY INC	09/06/1985	PR	322	600		6985	
15		05-123-13988	COLTRANE-PM J 28-4	SANFORD J29-660	1286	NOBLE ENERGY INC	09/22/1988	PR	303	600		6985	6692
16	x	05-123-13989	COLTRANE-PM J28-5	SANFORD J29-645	1381	NOBLE ENERGY INC	09/28/1988	PR	330	600		7001	
17	x	05-123-41479	Evans 30N-14B-XR	SANFORD J29-650	1020	SYNERGY RESOURCES CORPORATION		DG		600			
18	x	05-123-41468	Evans 4N-14C-XR	SANFORD J29-650	1266	SYNERGY RESOURCES CORPORATION		DG		600			
19		05-123-23203	GRACIE J 27-19	SANFORD J29-650	0	PATINA OIL & GAS CORPORATION	11/06/2005	DA	450	600			
20	x	05-123-23404	GRACIE J 27-19X	SANFORD J29-650	0	NOBLE ENERGY INC	11/11/2005	PR	411	600		7326	
21		05-123-11105	HOMYAK 1	SANFORD J30-660	1264	MONAGO OPERATING INC	03/30/1983	PR	292	600		7131	
22		05-123-11859	HOMYAK 2	SANFORD J30-645	1034	MONAHAN GAS & OIL INC	06/18/1984	PR	422	600		7095	
23	x	05-123-16834	HSR-MILLARD 9-29	SANFORD J29-655	1054	NOBLE ENERGY INC	03/08/1993	PR	675	600		7045	6171
24	x	05-123-16835	HSR-O'NEIL 16-29	SANFORD J29-635	1073	NOBLE ENERGY INC	03/13/1993	PR	672	600		6967	6030
25	x	05-123-26335	IFA #16-22-38	SANFORD J29-670	1438	K P KAUFFMAN COMPANY INC		XX		600			
26		05-123-18373	IGO 28-3H6	SANFORD J29-660	1099	NOBLE ENERGY INC	10/28/1994	PR	406	600		7099	3850
27	x	05-123-30887	IGO FARMS J 28-19D	SANFORD J29-670	105	NOBLE ENERGY INC	12/22/2010	PR	612	600		7006	1354
28	x	05-123-30889	IGO FARMS J 28-20D	SANFORD J29-655	0	NOBLE ENERGY INC	12/28/2010	PR	620	600		7154	1000
29	x	05-123-30895	IGO FARMS J 28-31D	SANFORD J29-670	0	NOBLE ENERGY INC	01/09/2011	PR	616	600		7106	1759
30	x	05-123-30891	IGO FARMS J 28-32D	SANFORD J29-655	0	NOBLE ENERGY INC	01/03/2011	PR	619	600		7202	3011

31		05-123-12079	KAMMERZELL 1	SANFORD J29-640	1081	MONAGO OPERATING INC	10/27/1984	PR	218	600		7089	6380
32		05-123-17937	KAMMERZELL 29-3H6	SANFORD J30-660	1100	NOBLE ENERGY INC	02/21/1994	PR	527	600		7041	6500
33		05-123-17938	KAMMERZELL 29-4H6	SANFORD J30-645	1238	MONAHAN GAS & OIL INC	02/20/1994	PR	492	600		7084	6440
34		05-123-17939	KAMMERZELL 29-5	SANFORD J30-660	1278	MONAHAN GAS & OIL INC	02/18/1994	PR	526	600		7069	6436
35		05-123-17940	KAMMERZELL 29-6H6	SANFORD J30-645	1207	NOBLE ENERGY INC	02/23/1994	PR	527	600		7030	4110
36	x	05-123-26537	KAMMERZELL J 29-19	SANFORD J29-660	1129	NOBLE ENERGY INC	11/20/2007	PR	935	600		7096	1733
37		05-123-12517	LUNDVALL 1-30	SANFORD J30-640	1231	NOBLE ENERGY INC	09/26/1985	PR	311	600		7041	6600
38		05-123-10751	LUNDVALL 3	SANFORD J30-645	1031	NOBLE ENERGY INC	06/02/1982	PR	250	600		7118	6039
39		05-123-18111	LUNDVALL 30-11H6	SANFORD J30-655	1168	NOBLE ENERGY INC	03/24/1994	PR	516	600		7065	6533
40		05-123-10761	LUNDVALL 4	SANFORD J30-660	1300	NOBLE ENERGY INC	06/10/1982	PR	253	600		7157	6093
41	x	05-123-26533	LUNDVALL J 30-19	SANFORD J30-670	0	NOBLE ENERGY INC	11/11/2007	PR	988	600		7264	1504
42		05-123-22406	LUNDVALL J 30-25	SANFORD J30-650	1347	NOBLE ENERGY INC	10/17/2004	PR	407	600		7183	4625
43	x	05-123-11942	MOSSBERG 1	SANFORD J30-640	1286	BARRETT RESOURCES CORP	08/14/1984	PA	432	600		7069	6540
44		05-123-18156	MOSSBERG 28-15H6	SANFORD J29-640	1071	NOBLE ENERGY INC	03/30/1994	PR	534	600		7034	4372
45		05-123-18112	MOSSBERG 30-15H6	SANFORD J30-640	1103	NOBLE ENERGY INC	03/24/1994	PA	535	600		7029	6514
46	x	05-123-12505	MOSSBERG A-28	SANFORD J29-640	123	NOBLE ENERGY INC	09/14/1985	PA	325	600		6945	6418
47	x	05-123-26348	MOSSBERG J 28-23	SANFORD J29-650	1384	NOBLE ENERGY INC	10/07/2007	PR	725	600		6942	1416
48	x	05-123-26554	MOSSBERG J 30-23	SANFORD J30-645	1046	NOBLE ENERGY INC	12/04/2007	PR	898	600		7060	2300
49	x	05-123-28020	MOSSBERG J 33-27	SANFORD J29-635	1344	NOBLE ENERGY INC	08/27/2008	PR	537	600		6899	1530
50	x	05-123-28027	MOSSBERG J 33-28	SANFORD J29-635	1400	NOBLE ENERGY INC	08/23/2008	PR	524	600		7037	1540
51	x	05-123-13967	MOSSBERG PM J 28-9	SANFORD J29-660	1201	NOBLE ENERGY INC	06/30/1988	PR	315	600		6918	
52		05-123-13968	MOSSBERG PM J28-16	SANFORD J29-635	1064	NOBLE ENERGY INC	07/07/1988	PR	338	600		6903	6495
53		05-123-13965	MOSSBERG PMJ 30-10	SANFORD J30-660	1315	NOBLE ENERGY INC	08/02/1988	PR	315	600		7099	6540
54		05-123-13990	MOSSBERG-PM J30-9	SANFORD J30-655	1119	NOBLE ENERGY INC	07/28/1988	PR	320	600		7085	6680
55		05-123-16825	RAISLEY 34-27	SANFORD J29-635	1112	NOBLE ENERGY INC	02/24/1993	PR	375	600		6927	6352
56		05-123-16824	RAISLEY 44-27	SANFORD J29-640	1201	NOBLE ENERGY INC	03/07/1993	PR	368	600		6975	6422
57		05-123-13997	RICKS-PM J30-12	SANFORD J30-660	1302	NOBLE ENERGY INC	10/16/1988	PR	313	600		7097	6760
58		05-123-15600	SHAFTO J27-10	SANFORD J29-655	1049	NOBLE ENERGY INC	04/03/1992	PR	321	600		6922	6500
59	x	05-123-15599	SHAFTO J27-9	SANFORD J29-655	1044	NOBLE ENERGY INC	04/21/1992	PA	325	600		6911	6430
60		05-123-23352	STEVE J 30-4J	SANFORD J30-665	0	NOBLE ENERGY INC	12/02/2005	PR	538	600		7396	6670
61		05-123-23353	STEVE J 30-6	SANFORD J30-660	0	NOBLE ENERGY INC	11/23/2005	PR	542	600		7434	6769
62		05-123-15654	UPRC 27-11C	SANFORD J29-660	1198	NOBLE ENERGY INC	04/01/1992	PR	510	600		7002	6455
63		05-123-15655	UPRC 27-12C	SANFORD J29-660	1270	NOBLE ENERGY INC	03/26/1992	PR	512	600		7121	6404
64		05-123-16379	UPRC 27-14C	SANFORD J29-640	1074	NOBLE ENERGY INC	04/21/1993	PR	422	600		6893	6300
65		05-123-17538	UPRC 27-3C	SANFORD J29-650	0	NOBLE ENERGY INC	10/29/1993	PR	511	600		7888	6108
66		05-123-17594	UPRC 27-4C	SANFORD J29-650	0	NOBLE ENERGY INC	11/21/1993	PR	509	600		7650	6078

67		05-123-17595	UPRC 27-5C	SANFORD J29-650	0	NOBLE ENERGY INC	11/11/1993	PR	499	600		7223	6376
68	x	05-123-17488	UPRC 27-6C	SANFORD J29-650	0	NOBLE ENERGY INC	10/21/1993	PA	550	600		7454	5103
69		05-123-16443	UPRC 29-7C	SANFORD J30-660	1058	NOBLE ENERGY INC	12/18/1992	PR	524	600		7023	
70		05-123-16442	UPRC 29-8C	SANFORD J29-655	109	NOBLE ENERGY INC	12/30/1992	PR	510	600		6991	6527
71		05-123-07267	UPRR 61 PAN AM B 1	SANFORD J29-645	1247	AMOCO PRODUCTION CO.	05/17/1971	PA	339	600		6994	6840
72	x	05-123-18476	UPV 27-1H6	SANFORD J29-650	0	NOBLE ENERGY INC	08/26/1994	PA	470	600		7385	4136
73	x	05-123-18477	UPV 27-2H6	SANFORD J29-650	0	NOBLE ENERGY INC	10/08/1994	PR	511	600		7472	5042
74	x	05-123-18473	UPV 27-7H6	SANFORD J29-650	0	NOBLE ENERGY INC	10/20/1994	PR	464	600		7186	4656
75	x	05-123-18474	UPV 27-8H6	SANFORD J29-650	0	NOBLE ENERGY INC	08/18/1994	PA	471	600		7196	6104
76		05-123-18650	UPV 29-1H6	SANFORD J29-665	1029	NOBLE ENERGY INC	10/29/1994	PR	423	600		7011	3970
77		05-123-18651	UPV 29-2H6	SANFORD J29-660	1079	NOBLE ENERGY INC	11/11/1994	PR	408	600		7014	4504
78	x	05-123-11895	WIEDEMAN 1	SANFORD J29-645	1089	NOBLE ENERGY INC	07/29/1984	PR	515	600		6994	6736
79		05-123-18029	WIEDEMAN 28-1H6	SANFORD J29-660	1299	NOBLE ENERGY INC	03/02/1994	PR	491	600		7000	6204
80	x	05-123-14787	WIEDEMAN 4	SANFORD J29-665	1204	SYNERGY RESOURCES CORPORATION	10/13/1990	PR	307	600		6880	6408
81	x	05-123-26527	WIEDEMAN J 28-17	SANFORD J29-650	1190	NOBLE ENERGY INC	10/17/2009	PR	436	600		7072	1246
82	x	05-123-29472	WIEDEMAN J 28-18D	SANFORD J29-670	0	NOBLE ENERGY INC	10/21/2009	PR	443	600		7169	1340
83	x	05-123-29473	WIEDEMAN J 28-21D	SANFORD J29-655	0	NOBLE ENERGY INC	10/24/2009	PR	429	600		7351	1430
84	x	05-123-29474	WIEDEMAN J 28-22D	SANFORD J29-655	0	NOBLE ENERGY INC	10/30/2009	PR	430	600		7081	460
85	x	05-123-11726	WIEDEMAN J26-4	SANFORD J29-670	1340	SYNERGY RESOURCES CORPORATION	04/10/1984	PR	333	600		6909	6098
86		05-123-14002	WIEDEMAN-PM J28-2	SANFORD J29-660	1162	NOBLE ENERGY INC	07/23/1988	PR	339	600		6992	6743
87		05-123-14003	WIEDEMAN-PM J28-7	SANFORD J29-645	1200	NOBLE ENERGY INC	07/15/1988	PR	321	600		6977	
88	x	05-123-18692	WIEST 28-11H6	SANFORD J29-640	108	NOBLE ENERGY INC	10/24/1994	PR	415	600		7005	
89		05-123-26341	WIEST J 28-25	SANFORD J29-650	1379	NOBLE ENERGY INC	10/31/2007	PR	528	600		7000	1687
90	x	05-123-35088	WIEST J 28-65-1HN	SANFORD J29-640	0	NOBLE ENERGY INC	10/13/2012	PR	796	600		7200	700
91		05-123-14201	ZION PM J 28-12	SANFORD J29-655	1106	NOBLE ENERGY INC	03/07/1989	PR	325	600		7036	
92	x	05-123-14202	ZION PM J 28-13	SANFORD J29-635	1061	NOBLE ENERGY INC	03/01/1989	PR	310	600		6947	6384
93		05-123-12503	ZIONS FNB 1	SANFORD J29-640	1305	NOBLE ENERGY INC	08/19/1985	PR	325	600		6942	6680

Total Wells: 93

Meets Standard(STD): 45

Needs Evaluation: 48