

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	05-123-11523	ARD 11-6	THISTLE DOWN 31I- 302	767	NOBLE ENERGY INC	12/10/1983	PR	309	408		6780	6076
2		05-123-11586	NIKOLORIC 11- 5	THISTLE DOWN 31I- 302	842	NOBLE ENERGY INC	12/31/1983	PR	316	375		6732	6078
3	x	05-123-11658	NORTH LATHAM 1	THISTLE DOWN 31G- 332	1252	TRAILBLAZER OIL & GAS CO		AL					
4	x	05-123-11911	CPC BOULTER 31-1	THISTLE DOWN 31G- 332	886	NOBLE ENERGY INC	08/17/1984	PR	423	329		6724	6464
5	x	05-123-12115	STATE- SCHMIDT 36-3	THISTLE DOWN 31I- 212	1129	NOBLE ENERGY INC	11/26/1984	PR	382	408		6766	5898
6		05-123-12538	WILMOTH 6-2	THISTLE DOWN 31I- 302	1109	NOBLE ENERGY INC	08/14/1985	PR	304	330		6820	6330
7	x	05-123-12676	WILMOTH 6-3	THISTLE DOWN 31I- 302	860	NOBLE ENERGY INC	09/26/1985	PR	306	358		6733	6280
8	x	05-123-12859	STATE-FARM 36-6	THISTLE DOWN 31G- 332	1402	NOBLE ENERGY INC	12/03/1985	PR	306	408		6737	6415
9	x	05-123-13181	BOREN 1-32	THISTLE DOWN 31I- 212	1196	NOBLE ENERGY INC	10/04/1986	PR	512	333		6670	5994
10	x	05-123-13352	OCOMA B31-16	THISTLE DOWN 31H- 332	126	NOBLE ENERGY INC	02/21/1987	PR	313	330		6728	6206
11		05-123-13353	OCOMA B31-9	THISTLE DOWN 31H- 312	117	NOBLE ENERGY INC	02/18/1987	PR	312	330		6735	6104
12	x	05-123-13368	STATE SCHMIDT 36-10	THISTLE DOWN 31G- 232	1184	NOBLE ENERGY INC	03/14/1987	PR	347	408		6733	6320
13		05-123-13394	OCOMA UPRR LEASE B31-10	THISTLE DOWN 31H- 312	49	NOBLE ENERGY INC	03/11/1987	PR	322	330		6766	6229
14		05-123-13395	OCOMA UPRR LEASE B31-15	THISTLE DOWN 31I- 212	10	NOBLE ENERGY INC	03/07/1987	PR	314	363		6738	6170
15		05-123-13712	GEMINI B 31-11	THISTLE DOWN 31H- 312	74	NOBLE ENERGY INC	11/29/1987	PR	319	381		6774	6056
16	x	05-123-13713	GEMINI UPRR B31-12	THISTLE DOWN 31H- 312	93	NOBLE ENERGY INC	12/29/1987	PR	319	408		6759	6120
17	x	05-123-13714	GEMINI UPRR B31-13	THISTLE DOWN 31H- 332	111	NOBLE ENERGY INC	01/03/1988	PR	304	408		6763	6140
18	x	05-123-13715	GEMINI UPRR B31-14	THISTLE DOWN 31I- 212	104	NOBLE ENERGY INC	11/22/1987	PR	307	379		6764	6100
19	x	05-123-13722	GEMINI-UPRR B31-5	THISTLE DOWN 31G- 332	829	NOBLE ENERGY INC	12/16/1987	PR	323	408		6757	6022
20		05-123-13723	GEMINI - UPRR B31-6	THISTLE DOWN 31G- 332	858	NOBLE ENERGY INC	12/04/1987	PR	300	300		6743	6130
21		05-123-14052	SUN SOIL-PM B 31-08	THISTLE DOWN 31G- 332	755	NOBLE ENERGY INC	02/08/1989	PR	313	330		6710	6188
22		05-123-14207	WILMOTH PM C 5-3	THISTLE DOWN 31I- 302	1283	NOBLE ENERGY INC	05/28/1989	PR	311	375		6635	6548
23		05-123-14412	BOREN 2-32	THISTLE DOWN 31H- 312	1207	NOBLE ENERGY INC	09/13/1989	PR	348	330		6717	6214

24	x	05-123-14969	SCHMIER 32-5A	THISTLE DOWN 31G- 332	900	NOBLE ENERGY INC	04/28/1991	PR	502	330		6672	6010
25	x	05-123-16858	MILLER B 32-6	THISTLE DOWN 31G- 332	1474	NOBLE ENERGY INC	01/03/1994	PR	336	330		6654	6050
26	x	05-123-16968	HSR-JOSH- HURL 12-32	THISTLE DOWN 31H- 312	133	NOBLE ENERGY INC	04/18/1993	PR	492	341		6707	5760
27	x	05-123-16976	HSR- TULLBERG 13- 32	THISTLE DOWN 31I- 212	31	NOBLE ENERGY INC	04/23/1993	PR	490	331		6742	5942
28	x	05-123-18394	SCHISLER 1- 11	THISTLE DOWN 31I- 302	1493	NOBLE ENERGY INC	08/09/1994	PR	433	408		6780	6290
29	x	05-123-18724	ARD 06-03I4	THISTLE DOWN 31I- 302	1228	NOBLE ENERGY INC	12/10/1994	PR	532	408		6750	6228
30	x	05-123-21618	SCHMIER 19-32	THISTLE DOWN 31H- 302	205	NOBLE ENERGY INC	11/02/2003	PR	550	356		6788	6250
31	x	05-123-21834	ARD C 6-3JI	THISTLE DOWN 31I- 302	808	NOBLE ENERGY INC	03/13/2004	PR	550	379		6750	6320
32	x	05-123-22099	GEMINI B 31-25	THISTLE DOWN 31H- 202	64	NOBLE ENERGY INC	06/06/2006	PR	613	408		6756	6218
33	x	05-123-22440	OCOMA B 31-23	THISTLE DOWN 31H- 232	39	NOBLE ENERGY INC	10/20/2004	PR	501	381		6760	6454
34	x	05-123-28057	THISTLE DOWN B 31-24	THISTLE DOWN 31H- 302	97	NOBLE ENERGY INC	03/17/2009	PR	469	377		6755	550
35	x	05-123-29039	SCHMIER B 32- 32	THISTLE DOWN 31G- 332	308	NOBLE ENERGY INC	03/22/2009	PR	516	330		6676	520
36	x	05-123-29501	THISTLE DOWN B 31-21	THISTLE DOWN 31G- 332	391	NOBLE ENERGY INC	03/13/2009	PR	555	348		6736	554
37	x	05-123-29659	SCHMIER B 32- 31D	THISTLE DOWN 31G- 332	1368	NOBLE ENERGY INC	03/30/2009	PR	477	330		6688	584
38	x	05-123-30077	THISTLE DOWN B 31-32D	THISTLE DOWN 31G- 332	322	NOBLE ENERGY INC	06/07/2009	PR	576	408		6823	297
39	x	05-123-30694	THISTLE DOWN B 31-17	THISTLE DOWN 31G- 332	1351	NOBLE ENERGY INC	02/16/2010	PR	534	330		6701	2700
40	x	05-123-30789	THISTLE DOWN B 31-22D	THISTLE DOWN 31G- 332	308	NOBLE ENERGY INC	02/27/2010	PR	500	330		6720	2130
41	x	05-123-30792	THISTLE DOWN B 31-20D	THISTLE DOWN 31G- 332	230	NOBLE ENERGY INC	02/20/2010	PR	500	408		6745	2218
42	x	05-123-31116	ARD C 06-29D	THISTLE DOWN 31I- 302	892	NOBLE ENERGY INC		AL	540				
43	x	05-123-31255	ARD C 06-28D	THISTLE DOWN 31I- 302	823	NOBLE ENERGY INC		AL	540				
44	x	05-123-34238	SCHMIDT PC C 06-79HN	THISTLE DOWN 31I- 212	1108	NOBLE ENERGY INC	02/14/2012	PR	733	408		6848	1600
45	x	05-123-34389	SCHMIDT PC C 06-69HC	THISTLE DOWN 31I- 302	225	NOBLE ENERGY INC	03/06/2012	PR	750	408		6901	1850
46	x	05-123-35677	THISTLE DOWN STATE PC F36- 65HN	THISTLE DOWN 31G- 332	832	NOBLE ENERGY INC	01/28/2013	PR	626	408		7046	1200
47	x	05-123-35678	THISTLE DOWN STATE PC F36- 63HN	THISTLE DOWN 31G- 332	822	NOBLE ENERGY INC	01/13/2013	PR	594	408		7017	1252
48	x	05-123-35679	THISTLE DOWN STATE PC F36- 67HN	THISTLE DOWN 31G- 332	843	NOBLE ENERGY INC	02/10/2013	PR	629	408		6873	1280

Total Wells: 48

Meets Standard(STD): 38

Needs Evaluation: 10

