

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		05-123-37163	Lemley Fed PC LF 22-68HNX	Hale 8-60 22-23-1	125	Noble Energy		AL					
2	x	05-123-36995	Schneider 1-14-8-60	Hale 8-60 22-23-1	1251	Carrizo Niobrara LLC	06/28/2013	PR	1180	505		6268	130
3	x	05-123-37240	Schneider 2-14-8-60	Hale 8-60 22-23-1	1249	Carrizo Niobrara LLC	07/09/2013	PR	1187	505		6205	1354
4	x	05-123-13654	Duell 3-23	Hale 8-60 22-23-1	60	Aexco Inc	10/16/1987	DA	103	480		6096	
5		05-123-05542	Brungard 1	Hale 8-60 22-23-5	885	Sunray Oil Co	03/19/1956	DA	140	475		6096	
6		05-123-14882	Federal J 10-23	Hale Fed 8-60 22-23-8	935	Noble Energy	01/17/1991	PA	525	474		6104	6300
7		05-123-14414	Federal J 15-23	Hale Fed 8-60 22-23-12	920	Noble Energy	09/26/1989	PA	492	469		6110	6120
8		05-123-10707	Stanley 14-23	Hale Fed 8-60 22-23-11	126	Carrizo Niobrara LLC	07/11/1982	DA	176	460		6120	
9		05-123-14228	Stanley J	Hale Fed 8-60 22-23-8	83	Petroleum Energy Corp	02/07/1989	DA	444	438		6089	6076
10		05-123-14059	Stanley 0	Hale Fed 8-60 22-23-11	155	Petroleum Energy Corp	09/04/1988	DA	180	440		6092	6070
11		05-123-08700	Fed Doty 14-22	Hale Fed 8-60 22-23-12	7	Exeter Exploration Company	06/21/1976	DA	166	460		6130	
12		05-123-07078	Doty Federal 1	Hale Fed 8-60 22-23-12	158	K & M Associates	05/13/1969	DA	91	469		6136	
13		05-123-05527	Federal 1	Hale Fed 8-60 22-23-8	960	Edmonson W R	10/09/1954	DA	228	466		6160	
14		05-123-11180	Nilsen Fed 1	Hale Fed 8-60 22-23-12	960	Berenergy Corp	09/06/1983	DA	211	460		6154	
15		05-123-33961	Snow Draw 14-21H	Hale Fed 8-60 22-23-12	840	Noble Energy		AL					
16		05-123-05519	Federal 1	Hale Fed 8-60 22-23-12	945	Sunshine Mining Co	12/19/1958	DA	230	455		6142	
17		05-123-05518	Doty Fed 1	Hale Fed 8-60 22-23-12	1010	Monahan Rex Family Trust	10/18/1956	PA	210	473		6163	
18		05-123-11448	Government Doty 1	Hale Fed 8-60 22-23-12	1010	Barrett Resources Corp	08/31/1983	PA	173	440		6130	6220
19		05-123-11557	Government Doty 2	Hale Fed 8-60 22-23-12	1010	Barrett Resources Corp	01/21/1984	PA	168	430		6104	6519
20	x	05-123-39770	EWS 1	Hale Fed 8-60 22-23-12	700	EWS 1 DJ Basin LLC	08/13/2014	IJ	696	473		6120	1580
21		05-123-15471	Taylor 1A	Hale Fed 8-60 22-23-12	1216	Carrizo Niobrara LLC	01/05/1992	DA	441	444		6130	5075
22		05-123-09262	Taylor 1	Hale Fed 8-60 22-23-12	1035	Carrizo Niobrara LLC	07/21/1977	PA	226	446		6114	6110
23	x	05-123-37372	Bailey 5-26-8-60	Hale Fed 8-60 22-23-12	1025	Carrizo Niobrara LLC	09/06/2013	PR	1414	445		6162	1420
24	x	05-123-37812	Bailey 6-26-8-60	Hale Fed 8-60 22-23-12	1026	Carrizo Niobrara LLC	08/26/2013	PR	1458	445		6196	1770
25	x	05-123-37813	Bailey 7-26-8-60	Hale Fed 8-60 22-23-12	1029	Carrizo Niobrara LLC	08/16/2013	PR	1452	445		6156	1785
26	x	05-123-37373	Bailey 8-26-8-60	Hale Fed 8-60 22-23-12	1070	Carrizo Niobrara LLC	08/06/2013	PR	1432	445		6262	704
27	x	05-123-39891	EWS 1A	Hale Fed 8-60 22-23-12	700	EWS 1 DJ Basin LLC	11/26/2017	IJ	2542	454		6378	5198
28		05-123-39371	Hemberger 7-26-8-60	Hale Fed 8-60 22-23-12	975	Carrizo Niobrara LLC		XX					
29		05-123-39374	Hemberger 8-26-8-60	Hale Fed 8-60 22-23-12	975	Carrizo Niobrara LLC		XX					
30		05-123-39373	Hemberger 9-26-8-60	Hale Fed 8-60 22-23-12	1025	Carrizo Niobrara LLC		XX					
31		05-123-39369	Hemberger 10-26-8-60	Hale Fed 8-60 22-23-12	1210	Carrizo Niobrara LLC		XX					
32		05-123-48339	EWS 1B	Hale Fed 8-60 22-23-12	64	EWS 1 DJ Basin LLC		XX					

33		05-123-50264	Lo Schneider 1414 01H	Hale Fed 8- 60 22-23-1	651	Verdad Resources LLC		XX						
34		05-123-46201	Wigeon Fed 33- 28-13HN	Hale Fed 8- 60 22-23-12	1467	Mallard Exploration LLC		XX						
35		05-123-46204	Wigeon Fed 33- 28-14HN	Hale Fed 8- 60 22-23-12	1206	Mallard Exploration LLC		XX						
36		05-123-46214	Wigeon Fed 33- 28-15HC	Hale Fed 8- 60 22-23-12	1115	Mallard Exploration LLC		XX						
37		05-123-46207	Wigeon Fed 33- 28-16HN	Hale Fed 8- 60 22-23-12	1044	Mallard Exploration LLC		XX						
38		05-123-46170	Green Teal Fed 34-27-1HN	Hale Fed 8- 60 22-23-12	974	Mallard Exploration LLC		XX						
39		05-123-46178	Green Teal Fed 34-27-2HN	Hale Fed 8- 60 22-23-12	974	Mallard Exploration LLC		XX						
40		05-123-46172	Green Teal Fed 34-27-3HN	Hale Fed 8- 60 22-23-12	974	Mallard Exploration LLC		XX						
41		05-123-46181	Green Teal Fed 34-27-4HN	Hale Fed 8- 60 22-23-12	974	Mallard Exploration LLC		XX						
42		05-123-46179	Green Teal Fed 34-27-5HN	Hale Fed 8- 60 22-23-12	974	Mallard Exploration LLC		XX						
43		05-123-46183	Green Teal Fed 34-27-6HC	Hale Fed 8- 60 22-23-12	974	Mallard Exploration LLC		XX						
44		05-123-46184	Green Teal Fed 34-27-7HN	Hale Fed 8- 60 22-23-12	974	Mallard Exploration LLC		XX						
45		05-123-46180	Green Teal Fed 34-27-8HN	Hale Fed 8- 60 22-23-12	974	Mallard Exploration LLC		XX						
46		05-123-46171	Green Teal Fed 34-27-9HN	Hale Fed 8- 60 22-23-12	974	Mallard Exploration LLC		XX						
47		05-123-46169	Green Teal Fed 34-27-10HN	Hale Fed 8- 60 22-23-12	974	Mallard Exploration LLC		XX						
48		05-123-46175	Green Teal Fed 34-27-11HC	Hale Fed 8- 60 22-23-12	974	Mallard Exploration LLC		XX						
49		05-123-46173	Green Teal Fed 34-27-12HN	Hale Fed 8- 60 22-23-12	974	Mallard Exploration LLC		XX						
50		05-123-46174	Green Teal Fed 34-27-13HN	Hale Fed 8- 60 22-23-12	974	Mallard Exploration LLC		XX						
51	x	05-123-46177	Green Teal Fed 34-27-15HN	Hale Fed 8- 60 22-23-12	680	Mallard Exploration LLC	02/21/2019	PR	80	473		6120	1550	
52		05-123-46176	Green Teal Fed 34-37-14HN	Hale Fed 8- 60 22-23-12	680	Mallard Exploration LLC		XX						
53	x	05-123-46182	Green Teal Fed 34-37-16HN	Hale Fed 8- 60 22-23-12	680	Mallard Exploration LLC	02/20/2019	PR	80	473		6120		
54		05-123-50166	Duclair 16-11HN	Hale Fed 8- 60 22-23-1	1001	Mallard Exploration LLC		XX						
55		05-123-50160	Duclair 16-10HC	Hale Fed 8- 60 22-23-1	1082	Mallard Exploration LLC		XX						
56		05-123-50165	Duclair 16-9HN	Hale Fed 8- 60 22-23-1	1182	Mallard Exploration LLC		XX						
57		05-123-50162	Duclair 16-8HN	Hale Fed 8- 60 22-23-1	1429	Mallard Exploration LLC		XX						
58		05-123-48426	Blue Teal 15-10- 1HN	Hale Fed 8- 60 22-23-1	0	Mallard Exploration LLC		XX						
59		05-123-48413	Blue Teal 15-10- 2HC	Hale Fed 8- 60 22-23-1	0	Mallard Exploration LLC		XX						
60		05-123-48417	Blue Teal 15-10- 3HN	Hale Fed 8- 60 22-23-1	0	Mallard Exploration LLC		XX						
61		05-123-48416	Blue Teal 15-10- 4HN	Hale Fed 8- 60 22-23-1	0	Mallard Exploration LLC		XX						
62		05-123-48425	Blue Teal 15-10- 5HN	Hale Fed 8- 60 22-23-1	0	Mallard Exploration LLC		XX						
63		05-123-48428	Blue Teal 15-10- 6HC	Hale Fed 8- 60 22-23-1	0	Mallard Exploration LLC		XX						
64		05-123-48414	Blue Teal 15-10- 7HN	Hale Fed 8- 60 22-23-1	0	Mallard Exploration LLC		XX						
65		05-123-48423	Blue Teal 15-10- 8HN	Hale Fed 8- 60 22-23-1	0	Mallard Exploration LLC		XX						
66		05-123-48421	Blue Teal 15-10- 9HN	Hale Fed 8- 60 22-23-1	0	Mallard Exploration LLC		XX						
67		05-123-48419	Blue Teal 15-10- 10HN	Hale Fed 8- 60 22-23-1	0	Mallard Exploration LLC		XX						
68		05-123-48415	Blue Teal 15-10- 11HC	Hale Fed 8- 60 22-23-1	0	Mallard Exploration LLC		XX						
69		05-123-48422	Blue Teal 15-10- 12HN	Hale Fed 8- 60 22-23-1	0	Mallard Exploration LLC		XX						

70		05-123-48427	Blue Teal 15-10-13HN	Hale Fed 8-60 22-23-1	0	Mallard Exploration LLC		XX						
71		05-123-48418	Blue Teal 15-10-14HN	Hale Fed 8-60 22-23-1	0	Mallard Exploration LLC		XX						
72		05-123-48420	Blue Teal 15-10-15HC	Hale Fed 8-60 22-23-1	0	Mallard Exploration LLC		XX						
73		05-123-48424	Blue Teal 15-10-16HN	Hale Fed 8-60 22-23-1	0	Mallard Exploration LLC		XX						
74		05-123-50269	Lo Schneider 1414 02H	Hale Fed 8-60 22-23-1	651	Verdad Resources LLC		XX						
75		05-123-50265	Lo Schneider 1414 03H	Hale Fed 8-60 22-23-1	651	Verdad Resources LLC		XX						
76		05-123-50270	Lo Schneider 1414 04H	Hale Fed 8-60 22-23-1	651	Verdad Resources LLC		XX						
77		05-123-50271	Lo Schneider 1414 05H	Hale Fed 8-60 22-23-1	651	Verdad Resources LLC		XX						
78		05-123-50262	Lo Schneider 1414 06H	Hale Fed 8-60 22-23-1	746	Verdad Resources LLC		XX						
79		05-123-50267	Lo Schneider 1414 07H	Hale Fed 8-60 22-23-1	976	Verdad Resources LLC		XX						
80		05-123-50268	Lo Schneider 1414 08H	Hale Fed 8-60 22-23-1	1265	Verdad Resources LLC		XX						

Total Wells: 80

Meets Standard(STD): 11

Needs Evaluation: 69