

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 | | 05-123-07211 | CARROLL E FLACK 1 | POPHAM 8N | 128 | PAN AMERICAN PETROLEUM CORP | 12/12/1970 | DA | 201 | 250 | | | 0 |
| 2 | x | 05-123-10679 | REINICK 1-10-4- 64 | POPHAM 3N | 1354 | NOBLE ENERGY INC | 10/22/2007 | PR | 420 | 313 | | 6571 | 6078 |
| 3 | x | 05-123-10745 | MURPHY 1 | POPHAM 8N | 101 | NOBLE ENERGY INC | 06/23/1985 | PR | 333 | 298 | | 6658 | 5650 |
| 4 | | 05-123-10753 | DONES 1 | POPHAM 3N | 125 | NOBLE ENERGY INC | 08/09/2011 | SI | 334 | 310 | | 6566 | 5901 |
| 5 | | 05-123-10833 | WILMOTH 1 | POPHAM 1C | 754 | NOBLE ENERGY INC | 02/23/2009 | PR | 333 | 326 | | 6594 | 0 |
| 6 | | 05-123-10834 | SITZMAN 2 | POPHAM 1C | 656 | NOBLE ENERGY INC | 02/09/2005 | SI | 305 | 310 | | 6546 | 6004 |
| 7 | x | 05-123-10836 | ECKHARDT 1 | POPHAM 1C | 710 | NOBLE ENERGY INC | 11/01/1989 | SI | 350 | 254 | | 6531 | 6012 |
| 8 | x | 05-123-10897 | WELD 2 | POPHAM 8N | 107 | NOBLE ENERGY INC | 02/15/1983 | PR | 250 | 250 | | | 5950 |
| 9 | x | 05-123-10929 | BATES 1 | POPHAM 13N | 83 | NOBLE ENERGY INC | 10/15/1984 | SI | 200 | 282 | | 6533 | 0 |
| 10 | x | 05-123-10988 | HOFF 31-10 | POPHAM 13N | 1389 | NOBLE ENERGY INC | 01/20/1983 | PA | 210 | 276 | | 6493 | 6150 |
| 11 | | 05-123-11013 | MILLEGE 1 | POPHAM 3N | 125 | PDC ENERGY INC | 12/19/2007 | PR | 330 | 285 | | 6546 | 5726 |
| 12 | | 05-123-11038 | FLACK 1 | POPHAM 8N | 80 | PDC ENERGY INC | 12/31/2007 | PR | 330 | 295 | | 6534 | 0 |
| 13 | x | 05-123-12101 | SHAKLEE 1 | POPHAM 20N | 779 | NOBLE ENERGY INC | 01/04/1985 | PR | 436 | 250 | | 6480 | 5638 |
| 14 | x | 05-123-12282 | KISSLER 3-1 | POPHAM 13N | 85 | NOBLE ENERGY INC | 02/05/1985 | SI | 309 | 250 | | 6515 | 5886 |
| 15 | x | 05-123-12513 | BRANCH 1-3 | POPHAM 18N | 49 | NOBLE ENERGY INC | 07/02/1985 | PR | 315 | 250 | | 6506 | 5960 |
| 16 | x | 05-123-12523 | KAISER 8-3 | POPHAM 18N | 18 | BONANZA CREEK ENERGY LLC | 07/08/1985 | PR | 311 | 250 | | 6526 | 5890 |
| 17 | x | 05-123-12957 | MCFERREN 4-2 | POPHAM 20N | 887 | BONANZA CREEK ENERGY LLC | 09/14/1986 | PR | 302 | 250 | | 6582 | 5992 |
| 18 | x | 05-123-13344 | KISSLER 3-2 | POPHAM 18N | 49 | NOBLE ENERGY INC | 03/01/1987 | PR | 365 | 250 | | 6604 | 6285 |
| 19 | x | 05-123-13679 | MCFERREN 5-2 | POPHAM 20N | 799 | BONANZA CREEK ENERGY LLC | 11/06/1987 | PR | 309 | 250 | | 6624 | 5972 |
| 20 | x | 05-123-14510 | MILLAGE 12-3 | POPHAM 3N | 99 | PDC ENERGY INC | 12/13/1989 | PR | 355 | 250 | | 6516 | 6200 |
| 21 | x | 05-123-14516 | FLACK 21-3 | POPHAM 9N | 30 | PDC ENERGY INC | 12/01/2007 | PR | 352 | 250 | | 6502 | 6098 |
| 22 | x | 05-123-17160 | ATKINSON- GALE 3-13 | POPHAM 4N | 17 | NOBLE ENERGY INC | 10/11/2006 | PR | 511 | 250 | | 6566 | 5966 |
| 23 | x | 05-123-17473 | BOOT HILLS FARMS 2-12 | POPHAM 20N | 991 | NOBLE ENERGY INC | 02/22/2005 | PR | 509 | 250 | | 6458 | 5958 |
| 24 | x | 05-123-17580 | ROSKOP 10-1 | POPHAM 18N | 1344 | NOBLE ENERGY INC | 11/01/1993 | PR | 458 | 251 | | 6478 | 5978 |
| 25 | x | 05-123-17581 | EMBREE 10-3 | POPHAM 9N | 1296 | NOBLE ENERGY INC | 12/11/1993 | PA | 511 | 115 | | 6508 | 6008 |
| 26 | x | 05-123-17789 | OSTER 3-1014 | POPHAM 12N | 113 | NOBLE ENERGY INC | 11/30/2011 | PR | 530 | 250 | | 6564 | 6064 |
| 27 | x | 05-123-17816 | UPRC 35-13A | POPHAM 20N | 1112 | SNYDER OIL CORP | | AL | | | | | |
| 28 | x | 05-123-17841 | OSTER 3-1614 | POPHAM 19N | 116 | NOBLE ENERGY INC | 01/17/2012 | PR | 435 | 250 | | 6472 | 5972 |
| 29 | x | 05-123-17894 | SITZMAN 4-114 | POPHAM 1C | 580 | NOBLE ENERGY INC | 01/14/1994 | SI | 462 | 285 | | 6650 | 6050 |
| 30 | x | 05-123-18162 | WILMOTH 4-914 | POPHAM 1C | 585 | NOBLE ENERGY INC | 09/23/1994 | PR | 469 | 322 | | 6552 | 5830 |
| 31 | x | 05-123-19122 | BATES C 3-02 | POPHAM 13N | 17 | GERRITY OIL & GAS CORP | | AL | | | | | |

| | | | | | | | | | | | | |
|----|---|--------------|--------------------|------------|------|------------------|------------|----|-----|-----|------|------|
| 32 | x | 05-123-21764 | ECKHARDT 34-34 | POPHAM 14N | 459 | PDC ENERGY INC | 12/18/2003 | PR | 377 | 250 | 6500 | 0 |
| 33 | x | 05-123-21772 | BAILEY 14-34 | POPHAM 4N | 359 | PDC ENERGY INC | 11/22/2004 | PR | 380 | 250 | 6542 | 0 |
| 34 | x | 05-123-21773 | ECKHARDT 44-34 | POPHAM 19N | 264 | PDC ENERGY INC | 01/10/2004 | PR | 377 | 250 | 6500 | 0 |
| 35 | x | 05-123-21780 | BAILEY 24-34 | POPHAM 9N | 437 | PDC ENERGY INC | 01/25/2005 | PR | 377 | 250 | 6525 | 0 |
| 36 | x | 05-123-21905 | BATES C 3-2 | POPHAM 13N | 66 | NOBLE ENERGY INC | 01/20/2006 | SI | 449 | 250 | 6552 | 5740 |
| 37 | x | 05-123-23068 | FLACK 5 | POPHAM 6N | 109 | PDC ENERGY INC | 11/13/2005 | PR | 395 | 250 | 6549 | 0 |
| 38 | x | 05-123-23729 | ECKHARDT 5 | POPHAM 17C | 864 | PDC ENERGY INC | 04/25/2006 | PR | 395 | 250 | 6490 | 1320 |
| 39 | x | 05-123-23730 | BAILEY 5 | POPHAM 6N | 880 | PDC ENERGY INC | 04/12/2006 | PR | 400 | 250 | 6530 | 0 |
| 40 | x | 05-123-24525 | WILMOTH C 4-23 | POPHAM 1C | 1337 | NOBLE ENERGY INC | 03/10/2007 | PR | 495 | 325 | 6583 | 1620 |
| 41 | x | 05-123-24614 | ECKHARDT B 35-33 | POPHAM 20N | 1038 | NOBLE ENERGY INC | 05/23/2007 | PR | 534 | 250 | 6504 | 2135 |
| 42 | x | 05-123-24635 | ECKHARDT B 35-13 | POPHAM 20N | 1098 | NOBLE ENERGY INC | 06/03/2007 | SI | 486 | 250 | 6551 | 2300 |
| 43 | x | 05-123-24972 | SITZMAN C 4-27 | POPHAM 1C | 1379 | NOBLE ENERGY INC | 04/25/2007 | SI | 475 | 273 | 6563 | 1500 |
| 44 | x | 05-123-25181 | SITZMAN C 4-22 | POPHAM 1C | 1376 | NOBLE ENERGY INC | 06/04/2007 | SI | 487 | 320 | 6572 | 2020 |
| 45 | x | 05-123-25419 | GALE C 3-25 | POPHAM 7N | 108 | NOBLE ENERGY INC | 02/17/2008 | PR | 613 | 250 | 6521 | 2170 |
| 46 | x | 05-123-25497 | LOEFFLER C 10-30 | POPHAM 2N | 596 | NOBLE ENERGY INC | 02/22/2008 | PR | 613 | 115 | 6651 | 2060 |
| 47 | x | 05-123-26218 | WILMOTH C 3-33 | POPHAM 1C | 229 | NOBLE ENERGY INC | 07/10/2007 | PR | 739 | 318 | 6589 | 875 |
| 48 | x | 05-123-27182 | OSTER C 03-23 | POPHAM 15N | 115 | NOBLE ENERGY INC | 12/26/2008 | PR | 524 | 250 | 6574 | 1369 |
| 49 | x | 05-123-27308 | SITZMAN C 4-17 | POPHAM 1C | 1450 | NOBLE ENERGY INC | 10/20/2006 | SI | 550 | 299 | 6580 | 1938 |
| 50 | x | 05-123-30042 | MERCER C 11-30D | POPHAM 20N | 869 | NOBLE ENERGY INC | 01/30/2010 | PR | 608 | 250 | 6522 | 2594 |
| 51 | x | 05-123-30338 | FLACK 1-8I | POPHAM 6N | 12 | PDC ENERGY INC | | XX | | 250 | | |
| 52 | x | 05-123-30339 | MILLEGE 1-7B | POPHAM 1C | 7 | PDC ENERGY INC | | XX | | 250 | | |
| 53 | x | 05-123-30340 | FLACK 1-9I | POPHAM 10N | 98 | PDC ENERGY INC | | XX | | 250 | | |
| 54 | x | 05-123-34134 | OREDIGGER C10-69HN | POPHAM 1C | 532 | NOBLE ENERGY INC | 10/18/2011 | PR | 669 | 335 | 7031 | 3820 |
| 55 | x | 05-123-34680 | HOFFMAN C 02-33D | POPHAM 20N | 46 | NOBLE ENERGY INC | 04/11/2012 | PR | 711 | 250 | 7252 | 1130 |
| 56 | x | 05-123-39513 | SUDEN 34M-423 | POPHAM 12N | 309 | PDC ENERGY INC | 11/06/2014 | PR | 903 | 250 | | 0 |
| 57 | x | 05-123-39514 | SUDEN 34M-223 | POPHAM 13N | 137 | PDC ENERGY INC | 11/23/2014 | PR | 892 | 250 | | 0 |
| 58 | x | 05-123-39515 | SUDEN 34R-203 | POPHAM 16N | 146 | PDC ENERGY INC | 12/14/2014 | PR | 875 | 250 | | 500 |
| 59 | x | 05-123-39516 | SUDEN 34R-343 | POPHAM 15N | 144 | PDC ENERGY INC | 12/02/2014 | PR | 929 | 250 | | 0 |
| 60 | x | 05-123-39754 | SUDEN 34U-403 | POPHAM 20N | 347 | PDC ENERGY INC | 01/27/2015 | PR | 875 | 250 | | 500 |
| 61 | x | 05-123-39755 | SUDEN 34R-323 | POPHAM 18N | 131 | PDC ENERGY INC | 11/12/2014 | PR | 875 | 250 | | 500 |
| 62 | x | 05-123-39756 | SUDEN 34R-423 | POPHAM 17C | 159 | PDC ENERGY INC | 12/24/2014 | PR | 875 | 250 | | 500 |
| 63 | x | 05-123-39757 | SUDEN 34U-243 | POPHAM 20N | 132 | PDC ENERGY INC | 01/17/2015 | PR | 875 | 250 | | 500 |
| 64 | x | 05-123-39978 | CHESNUT 270-243 | POPHAM 9N | 170 | PDC ENERGY INC | 01/30/2015 | PR | 926 | 250 | | 1100 |
| 65 | x | 05-123-39979 | CHESNUT 270-303 | POPHAM 11N | 174 | PDC ENERGY INC | 01/15/2015 | PR | 937 | 250 | | 615 |
| 66 | x | 05-123-39980 | CHESNUT 27K-323 | POPHAM 8N | 141 | PDC ENERGY INC | 02/10/2015 | PR | 935 | 250 | | 1030 |
| 67 | x | 05-123-39981 | CHESNUT 27K-403 | POPHAM 7N | 131 | PDC ENERGY INC | 02/22/2015 | PR | 924 | 250 | | 1800 |
| 68 | x | 05-123-40070 | CHESNUT 27K-203 | POPHAM 6N | 189 | PDC ENERGY INC | 11/05/2014 | PR | 936 | 250 | | 1080 |

| | | | | | | | | | | | | | |
|----|---|--------------|------------------|-----------|------|----------------|------------|----|-----|-----|--|--|------|
| 69 | x | 05-123-40071 | CHESNUT 27K-343 | POPHAM 5N | 167 | PDC ENERGY INC | 10/21/2014 | PR | 929 | 250 | | | 640 |
| 70 | x | 05-123-40072 | CHESNUT 27G-203 | POPHAM 2N | 215 | PDC ENERGY INC | 10/08/2014 | PR | 929 | 250 | | | 1590 |
| 71 | x | 05-123-40073 | CHESNUT 27G-423 | POPHAM 3N | 221 | PDC ENERGY INC | 09/18/2014 | PR | 918 | 250 | | | 1450 |
| 72 | x | 05-123-45067 | BATH-SCH 32H-312 | POPHAM 1C | 1271 | PDC ENERGY INC | | XX | | | | | |
| 73 | x | 05-123-45074 | BATH-SCH 32H-212 | POPHAM 1C | 1484 | PDC ENERGY INC | | XX | | | | | |
| 74 | x | 05-123-45076 | BATH-SCH 32H-202 | POPHAM 1C | 1051 | PDC ENERGY INC | | XX | | | | | |
| 75 | x | 05-123-45081 | SCHMIER 32H-302 | POPHAM 1C | 782 | PDC ENERGY INC | | XX | | | | | |
| 76 | x | 05-123-45082 | SCHMIER 32I-302 | POPHAM 1C | 256 | PDC ENERGY INC | | XX | | | | | |
| 77 | x | 05-123-45083 | SCHMIER 32I-212 | POPHAM 1C | 250 | PDC ENERGY INC | | XX | | | | | |
| 78 | x | 05-123-45084 | SCHMIER 32H-232 | POPHAM 1C | 585 | PDC ENERGY INC | | XX | | | | | |
| 79 | x | 05-123-45085 | SCHMIER 32I-312 | POPHAM 1C | 271 | PDC ENERGY INC | | XX | | | | | |

Total Wells: 79

Meets Standard(STD): 73

Needs Evaluation: 6