

## OFFSET WELL EVALUATIONS

| No. | Meet<br>STD | Offset Well<br>API # | Well Name                  | Nearest<br>Proposed<br>Horizontal<br>Well Name | Shortest<br>Horizontal<br>Distance From<br>Offset Well to<br>any Proposed<br>HZ Well | Offset Well<br>Operator                                | Spud Date  | Offset<br>Well<br>Status | Setting<br>Depth | Base of<br>Fox Hills or<br>Depth of<br>Deepest<br>Water Well | Historical<br>Remedial<br>Work to<br>provide<br>Fox Hills<br>Coverage | Objective<br>Formation<br>Top | Productive<br>Casing<br>Cement<br>Top |
|-----|-------------|----------------------|----------------------------|------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------|------------|--------------------------|------------------|--------------------------------------------------------------|-----------------------------------------------------------------------|-------------------------------|---------------------------------------|
| 1   | x           | 05-123-11101         | HOSHIKO 2                  | RED CLOUD<br>0N                                |                                                                                      | NOBLE<br>ENERGY INC                                    | 03/14/1983 | PR                       | 335              | 250                                                          |                                                                       | 6586                          |                                       |
| 2   |             | 05-123-11633         | ROTHE 1                    | RED CLOUD<br>10N                               |                                                                                      | NOBLE<br>ENERGY INC                                    | 01/20/1984 | PR                       | 442              | 400                                                          |                                                                       | 6440                          | 5620                                  |
| 3   |             | 05-123-12223         | MCDERMED 2-1               | RED CLOUD<br>3N                                |                                                                                      | NOBLE<br>ENERGY INC                                    | 12/28/1984 | SI                       | 311              | 400                                                          |                                                                       | 6392                          | 5557                                  |
| 4   |             | 05-123-12236         | MCDERMED 1-1               | RED CLOUD<br>3N                                |                                                                                      | PDC ENERGY<br>INC                                      | 01/29/1985 | SI                       | 307              | 400                                                          |                                                                       | 6477                          |                                       |
| 5   |             | 05-123-12239         | FEIT 1                     | RED CLOUD<br>3N                                |                                                                                      | NOBLE<br>ENERGY INC                                    | 01/10/1985 | PR                       | 436              | 400                                                          |                                                                       | 6420                          | 5620                                  |
| 6   |             | 05-123-12240         | REIN 1                     | RED CLOUD<br>7N                                |                                                                                      | NOBLE<br>ENERGY INC                                    | 01/16/1985 | PR                       | 436              | 400                                                          |                                                                       | 6370                          | 5520                                  |
| 7   | x           | 05-123-12513         | BRANCH 1-3                 | RED CLOUD<br>3N                                |                                                                                      | NOBLE<br>ENERGY INC                                    | 07/02/1985 | PR                       | 315              | 250                                                          |                                                                       | 6506                          | 5960                                  |
| 8   |             | 05-123-12523         | KAISER 8-3                 | RED CLOUD<br>8N                                |                                                                                      | BONANZA<br>CREEK<br>ENERGY<br>OPERATING<br>COMPANY LLC | 07/08/1985 | SI                       | 311              | 272                                                          |                                                                       | 6526                          | 5890                                  |
| 9   | x           | 05-123-12560         | FHA 10-1                   | RED CLOUD<br>10N                               |                                                                                      | PDC ENERGY<br>INC                                      | 09/14/1985 | PA                       | 320              | 400                                                          |                                                                       | 6380                          | 5920                                  |
| 10  | x           | 05-123-12585         | ROTHE 4-6                  | RED CLOUD<br>0N                                |                                                                                      | NOBLE<br>ENERGY INC                                    | 05/08/1986 | PR                       | 325              | 170                                                          |                                                                       | 6406                          | 5816                                  |
| 11  |             | 05-123-12586         | ROTHE 5-6                  | RED CLOUD<br>8N                                |                                                                                      | BONANZA<br>CREEK<br>ENERGY<br>OPERATING<br>COMPANY LLC | 07/26/1986 | SI                       | 302              | 400                                                          |                                                                       | 6431                          | 6032                                  |
| 12  | x           | 05-123-12590         | ROTHE 1                    | RED CLOUD<br>0N                                |                                                                                      | HIGHPOINT<br>OPERATING<br>CORPORATIO<br>N              | 08/31/1985 | SI                       | 314              | 165                                                          |                                                                       | 6424                          | 5671                                  |
| 13  |             | 05-123-12633         | AMIGO 1                    | RED CLOUD<br>8N                                |                                                                                      | NOBLE<br>ENERGY INC                                    | 10/02/1985 | PR                       | 433              | 400                                                          |                                                                       | 6398                          | 5540                                  |
| 14  |             | 05-123-12634         | AMIGO 2                    | RED CLOUD<br>8N                                |                                                                                      | NOBLE<br>ENERGY INC                                    | 10/02/1985 | SI                       | 410              | 400                                                          |                                                                       | 6400                          | 5630                                  |
| 15  | x           | 05-123-12636         | SHAKLEE 3                  | RED CLOUD<br>10N                               |                                                                                      | NOBLE<br>ENERGY INC                                    | 10/14/1985 | PA                       | 422              | 250                                                          |                                                                       | 6485                          | 5761                                  |
| 16  | x           | 05-123-12827         | FHA 2-1                    | RED CLOUD<br>8N                                |                                                                                      | NOBLE<br>ENERGY INC                                    | 01/02/1986 | SI                       | 344              | 250                                                          |                                                                       | 6484                          | 5966                                  |
| 17  | x           | 05-123-12957         | MCFERREN 4-2               | RED CLOUD<br>3N                                |                                                                                      | BONANZA<br>CREEK<br>ENERGY<br>OPERATING<br>COMPANY LLC | 09/14/1986 | SI                       | 302              | 250                                                          |                                                                       | 6582                          | 5990                                  |
| 18  | x           | 05-123-12969         | HOSHIKO 1-2                | RED CLOUD<br>2N                                |                                                                                      | PDC ENERGY<br>INC                                      | 01/30/1986 | PR                       | 313              | 200                                                          |                                                                       | 6402                          | 5455                                  |
| 19  | x           | 05-123-12970         | HOSHIKO 7-2                | RED CLOUD<br>7N                                |                                                                                      | NOBLE<br>ENERGY INC                                    | 09/08/1986 | SI                       | 304              | 250                                                          |                                                                       | 6449                          | 5682                                  |
| 20  |             | 05-123-12978         | HAPPY TALK 1               | RED CLOUD<br>10N                               |                                                                                      | NOBLE<br>ENERGY INC                                    | 01/31/1986 | PR                       | 376              | 400                                                          |                                                                       | 6394                          | 5294                                  |
| 21  | x           | 05-123-13273         | HOSHIKO 2-2                | RED CLOUD<br>4N                                |                                                                                      | PDC ENERGY<br>INC                                      | 12/28/1986 | PR                       | 308              | 250                                                          |                                                                       | 6420                          | 5770                                  |
| 22  | x           | 05-123-13344         | KISSLER 3-2                | RED CLOUD<br>10N                               |                                                                                      | NOBLE<br>ENERGY INC                                    | 03/01/1987 | SI                       | 365              | 269                                                          |                                                                       | 6604                          | 6285                                  |
| 23  | x           | 05-123-13679         | MCFERREN 5-2               | RED CLOUD<br>8N                                |                                                                                      | BONANZA<br>CREEK<br>ENERGY<br>OPERATING<br>COMPANY LLC | 11/06/1987 | SI                       | 309              | 250                                                          |                                                                       | 6624                          | 5972                                  |
| 24  | x           | 05-123-17079         | SAND CREEK<br>RANCH CO 2-3 | RED CLOUD<br>3N                                |                                                                                      | NOBLE<br>ENERGY INC                                    | 06/08/1993 | PA                       | 511              | 250                                                          |                                                                       | 6548                          | 6084                                  |
| 25  |             | 05-123-17425         | REIN 1-8                   | RED CLOUD<br>8N                                |                                                                                      | NOBLE<br>ENERGY INC                                    | 09/29/1993 | PR                       | 413              | 400                                                          |                                                                       | 6350                          | 5872                                  |
| 26  | x           | 05-123-17431         | BAKER STATE<br>B 36-13     | RED CLOUD<br>0N                                |                                                                                      | NOBLE<br>ENERGY INC                                    | 10/11/1993 | SI                       | 357              | 178                                                          |                                                                       | 6496                          | 5842                                  |
| 27  | x           | 05-123-17432         | BAKER STATE<br>B 36-14     | RED CLOUD<br>0N                                |                                                                                      | NOBLE<br>ENERGY INC                                    | 09/24/1993 | SI                       | 357              | 170                                                          |                                                                       | 6424                          | 5660                                  |

|    |   |              |                         |               |  |                  |            |    |     |     |  |      |      |
|----|---|--------------|-------------------------|---------------|--|------------------|------------|----|-----|-----|--|------|------|
| 28 | x | 05-123-17447 | FEIT 1-4                | RED CLOUD 2N  |  | NOBLE ENERGY INC | 09/30/1993 | PR | 512 | 400 |  | 6423 | 5923 |
| 29 | x | 05-123-17473 | BOOT HILLS FARMS 2-12   | RED CLOUD 10N |  | NOBLE ENERGY INC | 10/16/1993 | PA | 509 | 250 |  | 6458 | 5958 |
| 30 |   | 05-123-17530 | AMIGO FARMS 1-12        | RED CLOUD 10N |  | NOBLE ENERGY INC | 10/28/1993 | SI | 434 | 400 |  | 6400 | 5900 |
| 31 | x | 05-123-17623 | ROTHE 2-10              | RED CLOUD 10N |  | NOBLE ENERGY INC | 12/02/1993 | PR | 510 | 400 |  | 6504 | 6004 |
| 32 | x | 05-123-17816 | UPRC 35-13A             | RED CLOUD 0N  |  | SNYDER OIL CORP  |            | AL |     |     |  |      |      |
| 33 | x | 05-123-17817 | UPRC 35-14A             | RED CLOUD 0N  |  | SNYDER OIL CORP  |            | AL |     |     |  |      |      |
| 34 | x | 05-123-17818 | HOSHIKO 35-16H4         | RED CLOUD 0N  |  | NOBLE ENERGY INC | 07/31/1994 | PR | 428 | 209 |  | 6498 | 6090 |
| 35 | x | 05-123-17859 | HOSHIKO 2-8             | RED CLOUD 8N  |  | SNYDER OIL CORP  |            | AL |     |     |  |      |      |
| 36 | x | 05-123-19216 | ROTHE STATE B 36-15     | RED CLOUD 0N  |  | NOBLE ENERGY INC | 10/21/1996 | PA | 360 | 169 |  | 6443 | 5904 |
| 37 | x | 05-123-19217 | ROTHE STATE B 36-16     | RED CLOUD 0N  |  | NOBLE ENERGY INC | 11/13/1996 | PA | 360 | 166 |  | 6371 | 5845 |
| 38 | x | 05-123-20167 | HOSHIKO C 2-8           | RED CLOUD 8N  |  | NOBLE ENERGY INC | 10/14/2001 | PA | 352 | 400 |  | 6460 | 6016 |
| 39 | x | 05-123-21180 | HOSHIKO B 35-14         | RED CLOUD 0N  |  | NOBLE ENERGY INC | 12/30/2003 | SI | 593 | 250 |  | 6476 | 6034 |
| 40 | x | 05-123-21706 | HOSHIKO B 35-23         | RED CLOUD 0N  |  | NOBLE ENERGY INC | 12/22/2003 | SI | 404 | 221 |  | 6486 | 6023 |
| 41 | x | 05-123-21773 | ECKHARDT 44-34          | RED CLOUD 0N  |  | PDC ENERGY INC   | 11/10/2003 | PR | 377 | 250 |  | 6500 | 0    |
| 42 | x | 05-123-23166 | FUEGO C 1-19            | RED CLOUD 5N  |  | NOBLE ENERGY INC | 08/17/2005 | PR | 505 | 400 |  | 6484 | 5950 |
| 43 | x | 05-123-24614 | ECKHARDT B 35-33        | RED CLOUD 0N  |  | NOBLE ENERGY INC | 05/23/2007 | SI | 534 | 250 |  | 6504 | 2135 |
| 44 | x | 05-123-24635 | ECKHARDT B 35-13        | RED CLOUD 0N  |  | NOBLE ENERGY INC | 06/03/2007 | SI | 486 | 250 |  | 6551 | 2300 |
| 45 | x | 05-123-26306 | SAND CREEK RANCH C 2-3X | RED CLOUD 3N  |  | NOBLE ENERGY INC | 09/24/2007 | PA | 645 | 250 |  | 6561 | 2522 |
| 46 | x | 05-123-26536 | CLYNCKE STATE B 36-25   | RED CLOUD 0N  |  | NOBLE ENERGY INC | 12/14/2007 | SI | 524 | 168 |  | 6398 | 1370 |
| 47 | x | 05-123-31174 | MARLEY C 01-29          | RED CLOUD 1N  |  | NOBLE ENERGY INC |            | AL |     |     |  |      |      |
| 48 | x | 05-123-31180 | MARLEY C 01-32D         | RED CLOUD 10N |  | NOBLE ENERGY INC |            | AL |     |     |  |      |      |
| 49 | x | 05-123-31185 | MARLEY C 01-33D         | RED CLOUD 10N |  | NOBLE ENERGY INC | 01/09/2012 | PR | 690 | 400 |  | 6519 | 1675 |
| 50 | x | 05-123-31223 | MARLEY C 01-30D         | RED CLOUD 1N  |  | NOBLE ENERGY INC | 04/08/2011 | PR | 574 | 400 |  | 6540 | 1431 |
| 51 | x | 05-123-31224 | MARLEY C 01-31D         | RED CLOUD 6N  |  | NOBLE ENERGY INC | 04/13/2011 | PR | 602 | 400 |  | 6633 | 2076 |
| 52 | x | 05-123-31246 | MARLEY C 01-21D         | RED CLOUD 8N  |  | NOBLE ENERGY INC |            | AL |     |     |  |      |      |
| 53 | x | 05-123-31247 | MARLEY C 01-20D         | RED CLOUD 8N  |  | NOBLE ENERGY INC |            | AL |     |     |  |      |      |
| 54 | x | 05-123-31506 | MARLEY C 01-18D         | RED CLOUD 6N  |  | NOBLE ENERGY INC | 04/17/2011 | PR | 594 | 400 |  | 6501 | 1640 |
| 55 | x | 05-123-31508 | MARLEY C 01-28D         | RED CLOUD 0N  |  | NOBLE ENERGY INC | 04/21/2011 | PR | 577 | 400 |  | 6619 | 2120 |
| 56 | x | 05-123-31837 | MARLEY C01-22D          | RED CLOUD 6N  |  | NOBLE ENERGY INC |            | AL |     |     |  |      |      |
| 57 | x | 05-123-31839 | MARLEY C01-17           | RED CLOUD 6N  |  | NOBLE ENERGY INC |            | AL |     |     |  |      |      |
| 58 | x | 05-123-34150 | PANTHER C 02-23D        | RED CLOUD 10N |  | NOBLE ENERGY INC | 03/05/2012 | PR | 712 | 400 |  | 6541 | 1900 |
| 59 | x | 05-123-34231 | SOONER STATE B 36-63HN  | RED CLOUD 0N  |  | NOBLE ENERGY INC | 09/27/2011 | PR | 572 | 169 |  | 6378 | 1190 |
| 60 | x | 05-123-34675 | HOFFMAN C 02-65HN       | RED CLOUD 10N |  | NOBLE ENERGY INC | 04/28/2012 | PR | 695 | 400 |  | 6676 | 1610 |
| 61 | x | 05-123-34678 | HOFFMAN C 02-21D        | RED CLOUD 10N |  | NOBLE ENERGY INC | 04/23/2012 | PR | 706 | 250 |  | 6475 | 2010 |
| 62 | x | 05-123-34680 | HOFFMAN C 02-33D        | RED CLOUD 10N |  | NOBLE ENERGY INC | 04/11/2012 | PR | 711 | 250 |  | 7252 | 1130 |
| 63 | x | 05-123-34682 | HOFFMAN C 02-20D        | RED CLOUD 10N |  | NOBLE ENERGY INC | 04/06/2012 | PR | 702 | 250 |  | 6563 | 1760 |
| 64 | x | 05-123-34683 | HOFFMAN C 02-25D        | RED CLOUD 10N |  | NOBLE ENERGY INC | 04/18/2012 | PR | 702 | 250 |  | 6771 | 1622 |

|    |   |              |               |                  |  |                   |            |    |     |     |  |      |     |
|----|---|--------------|---------------|------------------|--|-------------------|------------|----|-----|-----|--|------|-----|
| 65 | x | 05-123-39515 | SUDEN 34R-203 | RED CLOUD<br>1N  |  | PDC ENERGY<br>INC | 12/13/2014 | PR | 875 | 250 |  | 6620 | 500 |
| 66 | x | 05-123-39754 | SUDEN 34U-403 | RED CLOUD<br>0N  |  | PDC ENERGY<br>INC | 01/27/2015 | PR | 875 | 250 |  | 6581 | 500 |
| 67 | x | 05-123-39755 | SUDEN 34R-323 | RED CLOUD<br>1N  |  | PDC ENERGY<br>INC | 11/12/2014 | PR | 875 | 250 |  | 6581 | 500 |
| 68 | x | 05-123-39756 | SUDEN 34R-423 | RED CLOUD<br>1N  |  | PDC ENERGY<br>INC | 12/24/2014 | PR | 875 | 250 |  | 6581 | 500 |
| 69 | x | 05-123-39757 | SUDEN 34U-243 | RED CLOUD<br>0N  |  | PDC ENERGY<br>INC | 01/17/2015 | PR | 875 | 250 |  | 6581 | 500 |
| 70 | x | 05-123-45810 | LINDSEY 4N    | RED CLOUD<br>10N |  | PDC ENERGY<br>INC |            | XX |     |     |  |      |     |
| 71 | x | 05-123-45811 | LINDSEY 5N    | RED CLOUD<br>10N |  | PDC ENERGY<br>INC |            | XX |     |     |  |      |     |
| 72 | x | 05-123-45812 | LINDSEY 2N    | RED CLOUD<br>10N |  | PDC ENERGY<br>INC |            | XX |     |     |  |      |     |
| 73 | x | 05-123-45813 | LINDSEY 3N    | RED CLOUD<br>10N |  | PDC ENERGY<br>INC |            | XX |     |     |  |      |     |
| 74 | x | 05-123-45815 | LINDSEY 1C    | RED CLOUD<br>10N |  | PDC ENERGY<br>INC |            | XX |     |     |  |      |     |

Total Wells: 74

Meets Standard(STD): 62

Needs Evaluation: 12