

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 | | 05-123-17189 | A.J. GOLD 22-13 | SANFORD J29-680 | 1466 | NOBLE ENERGY INC | 07/21/1993 | PR | 507 | 900 | | 6891 | 6270 |
| 2 | x | 05-123-29137 | BENSLER J 29-17D | SANFORD J29-675 | 0 | NOBLE ENERGY INC | 09/27/2009 | PR | 489 | 900 | | 7115 | 930 |
| 3 | x | 05-123-29139 | BENSLER J 29-18D | SANFORD J29-675 | 0 | NOBLE ENERGY INC | 09/21/2009 | PR | 517 | 900 | | 7121 | 190 |
| 4 | x | 05-123-29136 | BENSLER J 29-21D | SANFORD J29-675 | 0 | NOBLE ENERGY INC | 09/26/2009 | PR | 488 | 900 | | 7486 | 1310 |
| 5 | x | 05-123-29138 | BENSLER J 29-27D | SANFORD J29-675 | 153 | NOBLE ENERGY INC | 09/28/2009 | PR | 484 | 900 | | 7101 | 860 |
| 6 | | 05-123-16856 | BOOTH 25-11 | SANFORD J30-675 | 876 | NOBLE ENERGY INC | 12/02/1993 | PR | 484 | 900 | | 7247 | 6727 |
| 7 | | 05-123-10686 | CALVIN 1 | SANFORD J29-680 | 1243 | NOBLE ENERGY INC | 05/19/1982 | PR | 378 | 900 | | 6952 | 6570 |
| 8 | | 05-123-12504 | COLTRANE-IGO 1 | SANFORD J29-675 | 977 | NOBLE ENERGY INC | 09/06/1985 | PR | 322 | 900 | | 6985 | |
| 9 | | 05-123-13988 | COLTRANE-PM J 28-4 | SANFORD J29-675 | 323 | NOBLE ENERGY INC | 09/22/1988 | PR | 303 | 900 | | 6985 | 6692 |
| 10 | x | 05-123-13989 | COLTRANE-PM J28-5 | SANFORD J29-675 | 694 | NOBLE ENERGY INC | 09/28/1988 | PR | 330 | 900 | | 7001 | |
| 11 | x | 05-123-41479 | Evans 30N-14B-XR | SANFORD J29-675 | 1032 | SYNERGY RESOURCES CORPORATION | | DG | | 900 | | | |
| 12 | x | 05-123-41468 | Evans 4N-14C-XR | SANFORD J29-675 | 1278 | SYNERGY RESOURCES CORPORATION | | DG | | 900 | | | |
| 13 | | 05-123-10726 | GOLD 1 | SANFORD J29-680 | 1317 | NOBLE ENERGY INC | 06/12/1982 | PR | 346 | 900 | | 6910 | 6654 |
| 14 | | 05-123-23203 | GRACIE J 27-19 | SANFORD J29-675 | 292 | PATINA OIL & GAS CORPORATION | 11/06/2005 | DA | 450 | 900 | | | |
| 15 | | 05-123-23404 | GRACIE J 27-19X | SANFORD J29-675 | 204 | NOBLE ENERGY INC | 11/11/2005 | PR | 411 | 900 | | 7326 | |
| 16 | | 05-123-11105 | HOMYAK 1 | SANFORD J30-675 | 301 | MONAGO OPERATING INC | 03/30/1983 | PR | 292 | 900 | | 7131 | |
| 17 | | 05-123-11859 | HOMYAK 2 | SANFORD J30-675 | 1011 | MONAHAN GAS & OIL INC | 06/18/1984 | PR | 422 | 900 | | 7095 | |
| 18 | | 05-123-19139 | HSR-WIEDEMAN 14-20 | SANFORD J29-675 | 1317 | NOBLE ENERGY INC | 04/06/1996 | PR | 415 | 900 | | 7044 | 6500 |
| 19 | | 05-123-19140 | HSR-WIEDEMAN 15-20 | SANFORD J29-680 | 1327 | NOBLE ENERGY INC | 04/08/1996 | PR | 414 | 900 | | 7049 | 6400 |
| 20 | | 05-123-19141 | HSR-WIEDEMAN 16-20 | SANFORD J29-680 | 1410 | NOBLE ENERGY INC | 04/06/1996 | PR | 415 | 900 | | 7002 | 5518 |
| 21 | x | 05-123-24781 | IFA #16-22-20 | SANFORD J29-680 | 1338 | K P KAUFFMAN COMPANY INC | | XX | | 900 | | | |
| 22 | x | 05-123-26335 | IFA #16-22-38 | SANFORD J29-675 | 1117 | K P KAUFFMAN COMPANY INC | | XX | | 900 | | | |
| 23 | | 05-123-18373 | IGO 28-3H6 | SANFORD J29-675 | 136 | NOBLE ENERGY INC | 10/28/1994 | PR | 406 | 900 | | 7099 | 3850 |
| 24 | x | 05-123-30887 | IGO FARMS J 28-19D | SANFORD J29-675 | 426 | NOBLE ENERGY INC | 12/22/2010 | PR | 612 | 900 | | 7006 | 1354 |
| 25 | x | 05-123-30889 | IGO FARMS J 28-20D | SANFORD J29-675 | 450 | NOBLE ENERGY INC | 12/28/2010 | PR | 620 | 900 | | 7154 | 1000 |
| 26 | x | 05-123-30895 | IGO FARMS J 28-31D | SANFORD J29-675 | 136 | NOBLE ENERGY INC | 01/09/2011 | PR | 616 | 900 | | 7106 | 1759 |
| 27 | x | 05-123-30891 | IGO FARMS J 28-32D | SANFORD J29-675 | 450 | NOBLE ENERGY INC | 01/03/2011 | PR | 619 | 900 | | 7202 | 3011 |
| 28 | | 05-123-17937 | KAMMERZELL 29-3H6 | SANFORD J29-675 | 184 | NOBLE ENERGY INC | 02/21/1994 | PR | 527 | 900 | | 7041 | 6500 |

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|----|---|--------------|--------------------|-----------------|------|--------------------------|------------|----|-----|-----|--|------|------|
| 29 | | 05-123-17938 | KAMMERZELL 29-4H6 | SANFORD J29-675 | 1192 | MONAHAN GAS & OIL INC | 02/20/1994 | PR | 492 | 900 | | 7084 | 6440 |
| 30 | | 05-123-17939 | KAMMERZELL 29-5 | SANFORD J29-675 | 1285 | MONAHAN GAS & OIL INC | 02/18/1994 | PR | 526 | 900 | | 7069 | 6436 |
| 31 | | 05-123-17940 | KAMMERZELL 29-6H6 | SANFORD J29-675 | 877 | NOBLE ENERGY INC | 02/23/1994 | PR | 527 | 900 | | 7030 | 4110 |
| 32 | x | 05-123-26537 | KAMMERZELL J 29-19 | SANFORD J29-675 | 990 | NOBLE ENERGY INC | 11/20/2007 | PR | 935 | 900 | | 7096 | 1733 |
| 33 | | 05-123-22720 | KORI J 19-13 | SANFORD J30-675 | 1459 | NOBLE ENERGY INC | 12/23/2005 | PR | 543 | 900 | | 7201 | 2629 |
| 34 | | 05-123-22719 | KORI J 19-14 | SANFORD J30-680 | 1466 | NOBLE ENERGY INC | 12/23/2005 | PR | 532 | 900 | | 7160 | 6740 |
| 35 | | 05-123-16363 | KORI J 19-15 | SANFORD J30-680 | 1306 | NOBLE ENERGY INC | 10/25/1994 | PR | 342 | 900 | | 7167 | |
| 36 | | 05-123-17999 | KORI J 19-16 | SANFORD J30-680 | 1339 | NOBLE ENERGY INC | 10/31/1994 | PR | 342 | 900 | | 7163 | 6716 |
| 37 | | 05-123-22722 | KORI J 19-23 | SANFORD J30-690 | 1191 | NOBLE ENERGY INC | 12/11/2005 | PR | 536 | 900 | | 7172 | 692 |
| 38 | | 05-123-23230 | KORI J 19-25 | SANFORD J30-690 | 1319 | NOBLE ENERGY INC | 12/18/2005 | PR | 538 | 900 | | 7192 | 1640 |
| 39 | | 05-123-22759 | LUNDVALL 11-20 | SANFORD J29-690 | 1235 | NOBLE ENERGY INC | 06/06/2005 | PR | 763 | 900 | | 2722 | 7280 |
| 40 | | 05-123-22760 | LUNDVALL 12-20 | SANFORD J29-690 | 1264 | NOBLE ENERGY INC | 05/26/2005 | PR | 776 | 900 | | 3039 | 7279 |
| 41 | | 05-123-10751 | LUNDVALL 3 | SANFORD J30-675 | 969 | NOBLE ENERGY INC | 06/02/1982 | PR | 250 | 900 | | 7118 | 6039 |
| 42 | | 05-123-10761 | LUNDVALL 4 | SANFORD J30-675 | 337 | NOBLE ENERGY INC | 06/10/1982 | PR | 253 | 900 | | 7157 | 6093 |
| 43 | x | 05-123-26533 | LUNDVALL J 30-19 | SANFORD J30-675 | 0 | NOBLE ENERGY INC | 11/11/2007 | PR | 988 | 900 | | 7264 | 1504 |
| 44 | | 05-123-21127 | NYC N 24-16 | SANFORD J30-685 | 1254 | NOBLE ENERGY INC | 10/21/2002 | PR | 444 | 900 | | 7201 | 6860 |
| 45 | | 05-123-23352 | STEVE J 30-4J | SANFORD J30-675 | 0 | NOBLE ENERGY INC | 12/02/2005 | PR | 538 | 900 | | 7396 | 6670 |
| 46 | | 05-123-23353 | STEVE J 30-6 | SANFORD J30-675 | 910 | NOBLE ENERGY INC | 11/23/2005 | PR | 542 | 900 | | 7434 | 6769 |
| 47 | | 05-123-11406 | STRONG 2-8 | SANFORD J29-680 | 1295 | K P KAUFFMAN COMPANY INC | 10/11/1983 | PR | 316 | 900 | | 6906 | 5835 |
| 48 | | 05-123-11661 | STRONG 3-15 | SANFORD J29-680 | 1355 | K P KAUFFMAN COMPANY INC | 02/09/1984 | PR | 304 | 900 | | 6884 | 6180 |
| 49 | | 05-123-26676 | TUSCANY 22-33 -A2 | SANFORD J29-690 | 1324 | K P KAUFFMAN COMPANY INC | | XX | | 900 | | | |
| 50 | | 05-123-16440 | UPRC 21-13H6 | SANFORD J29-675 | 1469 | NOBLE ENERGY INC | 11/01/1994 | PR | 418 | 900 | | 6977 | 4188 |
| 51 | | 05-123-16441 | UPRC 21-14H6 | SANFORD J29-680 | 1412 | NOBLE ENERGY INC | 11/19/1994 | PR | 430 | 900 | | 6942 | 4250 |
| 52 | | 05-123-17538 | UPRC 27-3C | SANFORD J29-675 | 0 | NOBLE ENERGY INC | 10/29/1993 | PR | 511 | 900 | | 7888 | 6108 |
| 53 | | 05-123-17594 | UPRC 27-4C | SANFORD J29-675 | 0 | NOBLE ENERGY INC | 11/21/1993 | PR | 509 | 900 | | 7650 | 6078 |
| 54 | | 05-123-17595 | UPRC 27-5C | SANFORD J29-675 | 1042 | NOBLE ENERGY INC | 11/11/1993 | PR | 499 | 900 | | 7223 | 6376 |
| 55 | | 05-123-17488 | UPRC 27-6C | SANFORD J29-675 | 1222 | NOBLE ENERGY INC | 10/21/1993 | PA | 550 | 900 | | 7454 | 5103 |
| 56 | | 05-123-16443 | UPRC 29-7C | SANFORD J29-675 | 984 | NOBLE ENERGY INC | 12/18/1992 | PR | 524 | 900 | | 7023 | |
| 57 | | 05-123-16442 | UPRC 29-8C | SANFORD J29-675 | 1174 | NOBLE ENERGY INC | 12/30/1992 | PR | 510 | 900 | | 6991 | 6527 |
| 58 | x | 05-123-09638 | UPRR 61 PAN AM C 1 | SANFORD J30-680 | 1292 | AMOCO PRODUCTION CO. | | PA | | 900 | | | |
| 59 | x | 05-123-18476 | UPV 27-1H6 | SANFORD J29-675 | 0 | NOBLE ENERGY INC | 08/26/1994 | PA | 470 | 900 | | 7385 | 4136 |
| 60 | x | 05-123-18477 | UPV 27-2H6 | SANFORD J29-675 | 0 | NOBLE ENERGY INC | 10/08/1994 | PR | 511 | 900 | | 7472 | 5042 |
| 61 | x | 05-123-18473 | UPV 27-7H6 | SANFORD J29-675 | 979 | NOBLE ENERGY INC | 10/20/1994 | PR | 464 | 900 | | 7186 | 4656 |
| 62 | x | 05-123-18474 | UPV 27-8H6 | SANFORD J29-675 | 959 | NOBLE ENERGY INC | 08/18/1994 | PA | 471 | 900 | | 7196 | 6104 |
| 63 | | 05-123-18650 | UPV 29-1H6 | SANFORD J29-675 | 387 | NOBLE ENERGY INC | 10/29/1994 | PR | 423 | 900 | | 7011 | 3970 |
| 64 | | 05-123-18651 | UPV 29-2H6 | SANFORD J29-675 | 117 | NOBLE ENERGY INC | 11/11/1994 | PR | 408 | 900 | | 7014 | 4504 |

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|----|---|--------------|--------------------|-----------------|------|-------------------------------|------------|----|-----|-----|--|------|------|
| 65 | x | 05-123-11895 | WIEDEMAN 1 | SANFORD J29-675 | 982 | NOBLE ENERGY INC | 07/29/1984 | PR | 515 | 900 | | 6994 | 6736 |
| 66 | | 05-123-22699 | WIEDEMAN 20-20 | SANFORD J29-690 | 1441 | NOBLE ENERGY INC | 05/21/2005 | PA | 766 | 900 | | 7087 | 6398 |
| 67 | | 05-123-17936 | WIEDEMAN 21-15H6 | SANFORD J29-680 | 1227 | NOBLE ENERGY INC | 02/08/1994 | PR | 448 | 900 | | 6987 | 6463 |
| 68 | | 05-123-18029 | WIEDEMAN 28-1H6 | SANFORD J29-675 | 337 | NOBLE ENERGY INC | 03/02/1994 | PR | 491 | 900 | | 7000 | 6204 |
| 69 | | 05-123-14787 | WIEDEMAN 4 | SANFORD J29-675 | 1407 | SYNERGY RESOURCES CORPORATION | 10/13/1990 | PR | 307 | 900 | | 6880 | 6408 |
| 70 | x | 05-123-26527 | WIEDEMAN J 28-17 | SANFORD J29-675 | 414 | NOBLE ENERGY INC | 10/17/2009 | PR | 436 | 900 | | 7072 | 1246 |
| 71 | x | 05-123-29472 | WIEDEMAN J 28-18D | SANFORD J29-675 | 302 | NOBLE ENERGY INC | 10/21/2009 | PR | 443 | 900 | | 7169 | 1340 |
| 72 | x | 05-123-29473 | WIEDEMAN J 28-21D | SANFORD J29-675 | 464 | NOBLE ENERGY INC | 10/24/2009 | PR | 429 | 900 | | 7351 | 1430 |
| 73 | x | 05-123-29474 | WIEDEMAN J 28-22D | SANFORD J29-675 | 490 | NOBLE ENERGY INC | 10/30/2009 | PR | 430 | 900 | | 7081 | 460 |
| 74 | | 05-123-11726 | WIEDEMAN J26-4 | SANFORD J29-675 | 1223 | SYNERGY RESOURCES CORPORATION | 04/10/1984 | PR | 333 | 900 | | 6909 | 6098 |
| 75 | | 05-123-10815 | WIEDEMAN R J 20-13 | SANFORD J29-690 | 1288 | NOBLE ENERGY INC | 10/19/1982 | PA | 297 | 900 | | 7193 | 6680 |
| 76 | | 05-123-14002 | WIEDEMAN-PM J28-2 | SANFORD J29-675 | 200 | NOBLE ENERGY INC | 07/23/1988 | PR | 339 | 900 | | 6992 | 6743 |
| 77 | x | 05-123-14003 | WIEDEMAN-PM J28-7 | SANFORD J29-675 | 873 | NOBLE ENERGY INC | 07/15/1988 | PR | 321 | 900 | | 6977 | |

Total Wells: 77

Meets Standard(STD): 26

Needs Evaluation: 51