

# 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   |             | 05-123-29701         | BASHOR 09-31                  | Mahalo State<br>AA09-75HNC                     | 523  | NOBLE                   |           | AL                       |                  |  |   |                               |                                       |
| 2   | x           | 05-123-25491         | BASHOR 09-42                  | Mahalo State<br>AA09-74HNB                     | 96   | NOBLE                   |           | PR                       | 502              | 380  |   | 6500                          | 30                                    |
| 3   | x           | 05-123-25425         | BASHOR 09-43                  | Mahalo State<br>AA09-74HNB                     | 77   | NOBLE                   |           | PR                       | 580              | 382  |   | 6464                          | 80                                    |
| 4   | x           | 05-123-32642         | BASHOR PC<br>AA09-08          | Mahalo State<br>AA09-72-<br>1AHNC              | 85   | NOBLE                   |           | PR                       |                  | 380  |   | 6475                          | 1300                                  |
| 5   |             | 05-123-33167         | BASHOR PC<br>AA09-11          | Mahalo State<br>AA09-75HNC                     | 429  | NOBLE                   |           | XX                       |                  |  |   |                               |                                       |
| 6   | x           | 05-123-32508         | BASHOR PC<br>AA09-14          | Mahalo State<br>AA09-75HNC                     | 634  | NOBLE                   |           | PR                       |                  | 377  |   | 6460                          | 1360                                  |
| 7   | x           | 05-123-32643         | BASHOR PC<br>AA09-22          | Mahalo State<br>AA09-74-<br>1BHNC              | 35   | NOBLE                   |           | PR                       |                  | 378  |   | 6505                          | 1870                                  |
| 8   | x           | 05-123-32644         | BASHOR PC<br>AA09-23          | Mahalo State<br>AA09-74-<br>1BHNC              | 18   | NOBLE                   |           | PR                       |                  | 376  |   | 6478                          | 1190                                  |
| 9   | x           | 05-123-32509         | BASHOR PC<br>AA09-24          | Mahalo State<br>AA09-75HNC                     | 120  | NOBLE                   |           | PR                       |                  | 377  |   | 6478                          | 1110                                  |
| 10  |             | 05-123-32511         | BASHOR PC<br>AA09-25          | Mahalo State<br>AA09-75HNC                     | 1154   | NOBLE                   |           | XX                       |                  |  |   |                               |                                       |
| 11  | x           | 05-123-29272         | BASHOR<br>STATE 16-18         | Mahalo State<br>AA09-75HNC                     | 1214   | NOBLE                   |           | PR                       | 608              | 376  |   | 6473                          | 460                                   |
| 12  | x           | 05-123-29255         | BASHOR<br>STATE AA16-01       | Mahalo State<br>AA09-72-<br>1AHNC              | 628  | NOBLE                   |           | PR                       | 613              | 378  |   | 6468                          | 1068                                  |
| 13  | x           | 05-123-29254         | BASHOR<br>STATE AA16-02       | Mahalo State<br>AA09-74HNB                     | 560  | NOBLE                   |           | PR                       | 598              | 378  |   | 6468                          | 6280                                  |
| 14  |             | 05-123-26119         | BASHOR<br>STATE AA16-03       | Mahalo State<br>AA09-75HNC                     | 807  | NOBLE                   |           | PR                       | 743              | 373  |   | 6481                          | 2190                                  |
| 15  | x           | 05-123-29262         | BASHOR<br>STATE AA16-17       | Mahalo State<br>AA09-74-<br>1BHNC              | 1306   | NOBLE                   |           | PR                       | 599              | 377  |   | 6460                          | 1122                                  |
| 16  |             | 05-123-33438         | BASHOR<br>STATE AA16-27       | Mahalo State<br>AA09-74-<br>1BHNC              | 132  | NOBLE                   |           | AL                       |                  |  |   |                               |                                       |
| 17  |             | 05-123-26047         | BROWN USX<br>AA03-13          | Mahalo State<br>AA10-79HNB                     | 1493   | NOBLE                   |           | PR                       | 738              | 384  |   | 6476                          | 2390                                  |
| 18  |             | 05-123-24385         | CORNISH 11-10                 | Mahalo State<br>AA10-79HNB                     | 897  | PDC ENERGY<br>INC       |           | PR                       | 487              | 373  |   | 6464                          | 5904                                  |
| 19  |             | 05-123-24388         | CORNISH 12-10                 | Mahalo State<br>AA10-79HNB                     | 724  | PDC ENERGY<br>INC       |           | PR                       | 499              | 370  |   | 6509                          | 5972                                  |
| 20  |             | 05-123-22972         | GIBSON 43-09                  | Mahalo State<br>AA09-73-<br>1BHNB              | 107  | PDC ENERGY<br>INC       |           | AL                       |                  |  |   |                               |                                       |
| 21  | x           | 05-123-32365         | GUNNER<br>STATE AA16-<br>99HZ | Mahalo State<br>AA09-73-<br>1BHNB              | 922  | NOBLE                   |           | PA                       | 690              | 375  |   | 6585                          | 712                                   |
| 22  | x           | 05-123-29495         | NCLP PC AA04-<br>14           | Mahalo State<br>AA09-75HNC                     | 968  | NOBLE                   |           | PR                       |                  | 392  |   | 6492                          | 1740                                  |
| 23  |             | 05-123-37175         | NCLP PC AA04-<br>62-1HN       | Mahalo State<br>AA09-75-<br>1AHNB              | 133  | NOBLE                   |           | XX                       |                  |  |   |                               |                                       |
| 24  |             | 05-123-37173         | NCLP PC AA04-<br>63-1HN       | Mahalo State<br>AA09-75HNC                     | 844  | NOBLE                   |           | XX                       |                  |  |   |                               |                                       |
| 25  | x           | 05-123-37171         | NCLP PC AA04-<br>64-1HN       | Mahalo State<br>AA09-75HNC                     | 1442   | NOBLE                   |           | XX                       |                  |  |   |                               |                                       |
| 26  |             | 05-123-25397         | NEW CACHE LA<br>POUDRE 09A    | Mahalo State<br>AA09-75HNC                     | 1002   | PDC ENERGY<br>INC       |           | AL                       |                  |  |   |                               |                                       |
| 27  | x           | 05-123-35410         | Schaefer 10E-<br>223          | Mahalo State<br>AA10-79HNB                     | 547  | PDC ENERGY<br>INC       |           | PR                       | 905              | 369  |   | 6672                          | 520                                   |
| 28  | x           | 05-123-34874         | SCHAEFER 10J-<br>203          | Mahalo State<br>AA10-79HNB                     | 1359   | PDC ENERGY<br>INC       |           | PR                       | 935              | 367  |   | 6526                          | 430                                   |
| 29  | x           | 05-123-35406         | Schaefer 10J-<br>403          | Mahalo State<br>AA10-79HNB                     | 1325   | PDC ENERGY<br>INC       |           | PR                       | 875              | 367  |   |                               | 600                                   |

|    |   |              |                                       |                         |      |                |  |    |     |     |  |      |      |
|----|---|--------------|---------------------------------------|-------------------------|------|----------------|--|----|-----|-----|--|------|------|
| 30 | x | 05-123-35408 | Schaefer 10M-243                      | Mahalo State AA10-79HNB | 1471 | PDC ENERGY INC |  | PR | 914 | 366 |  | 6611 | 530  |
| 31 |   | 05-123-29968 | WALKER 13-10                          | Mahalo State AA10-79HNB | 790  | PDC ENERGY INC |  | PR | 499 | 373 |  | 6462 |      |
| 32 |   | 05-123-23955 | WALKER 14-10                          | Mahalo State AA10-79HNB | 893  | PDC ENERGY INC |  | PR | 542 | 381 |  | 6451 |      |
| 33 | x | 05-123-36182 | Wells Ranch State PC USX AA16-69-1HNL | Mahalo State AA10-79HNB | 353  | NOBLE          |  | PR |     | 481 |  | 6681 | 380  |
| 34 | x | 05-123-36183 | Wells Ranch State USX AA16-68-1HNL    | Mahalo State AA10-79HNB | 1114 | NOBLE          |  | PR |     | 482 |  | 6681 | 350  |
| 35 | x | 05-123-27002 | WELLS RANCH USX AA15-04               | Mahalo State AA10-79HNB | 896  | NOBLE          |  | PR | 528 | 383 |  | 6451 | 2100 |

Total Wells: 35

Meets Standard(STD): 21

Needs Evaluation: 14