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|-----------------------------------|-------------------------------------------|-------------------------------------------|--------------------------------|--------------------------------|-------------------------------------|
| API / UWI<br>3003930154           | Surface Legal Location<br>031-028N-005W-A | Field Name<br>BASIN DAKOTA (PRORATED GAS) | License No.                    | State/Province<br>NEW MEXICO   | Well Configuration Type<br>VERTICAL |
| Ground Elevation (ft)<br>6,438.00 | Original KB/RT Elevation (ft)<br>6,444.00 | KB-Ground Distance (ft)<br>6.00           | KB-Casing Flange Distance (ft) | KB-Tubing Hanger Distance (ft) |                                     |

| MD<br>(ftKB) | TVD<br>(ftKB) | Vertical schematic (actual)                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------|---------------|-----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 16.1         |               | Tubing Hanger; 7 1/16 in; 16.0 ftKB; 16.9 ftKB                              | <p>Surface Casing Cement; 16.0-244.2; 5/11/2008; PJSM. R/U CEMENTERS. TEST LINES TO 1500 PSI. PUMPED 20 BBLS. H2O SPACER. PUMPED 36 BBLS. OF TYPE III CEMENT @ 15.2 PPG. SHUT DOWN AND DROP PLUG. START 15 BBLS. CMT DISPLACEMENT. SHUT DOWN/SHUT IN. 21 BBLS BACK TO SURFACE. FINAL CIRC PRESSURE 150 PSI. PLUG DOWN @ 07:50.</p> <p>1; Surface; 9 5/8 in; 9.00 in; 16.0 ftKB; 244.2 ftKB</p>                                                                                                                                                                                |
| 17.1         |               |                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 24.0         |               |                                                                             | <p>INTERMEDIATE; 16.0-3,533.0; 5/13/2008; PJSM. R/U CEMENTERS. TEST LINES TO 3500 PSI. PUMPED 10 BBLS. H2O SPACER. START 10 BBLS MUDCLEAN SPACER. START 2ND 10 BBLS H2O SPACER. PUMPED 148 BBLS OF LEAD CEMENT @ 12.1 PPG. START 37 BBLS TAIL CEMENT SLURRY @ 14.6 PPG. SHUT DOWN AND DROP PLUG. START 142.3 BBLS CMT DISPLACEMENT. BUMP PLUG @ 1275 PSI. 72 BBLS CEMENT BACK TO SURFACE. FINAL CIRC PRESSURE 573 PSI. PLUG DOWN @ 23:29. BLEED OF &amp; CHECK FLOATS. FLOATS HELD. R/D CEMENTERS.</p> <p>2; Intermediate; 7 in; 6.46 in; 16.0 ftKB; 4 TURB; 3,533.2 ftKB</p> |
| 24.9         |               |                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 67.6         |               |                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 73.5         |               |                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 196.2        |               |                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 243.1        |               |                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 244.1        |               |                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 253.9        |               |                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 795.9        |               |                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 2,569.9      |               |                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 2,684.1      |               | Ojo Alamo (final)                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 2,764.1      |               | Kirtland (final)                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 2,799.9      |               | Fruitland (final)                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 3,234.9      |               | Pictured Cliffs (final)                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 3,396.0      |               | Lewis (final)                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 3,492.1      |               |                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 3,493.1      |               |                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 3,531.2      |               |                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 3,533.1      |               |                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 3,547.9      |               |                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 3,839.9      |               | Tubing; 2 3/8 in; 4.70 lb/ft; J-55; 16.9 ftKB; 7,560.8 ftKB                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 3,883.2      |               |                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 3,873.0      |               |                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 4,202.1      |               | Chacra (final)                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 4,799.9      |               | Massive Cliff House (final)                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 4,925.9      |               |                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 5,082.0      |               | Menefee (final)                                                             | <p>PERF - CLIFF HOUSE / MENELEE UPPER; 4,926.0-5,234.0; 3/16/2018</p> <p>Production Casing Cement; 2,800.0-7,687.7; 5/16/2008</p> <p>PERF - POINT LOOKOUT / MENELEE LOWER; 5,257.0-5,579.0; 3/16/2018</p>                                                                                                                                                                                                                                                                                                                                                                     |
| 5,233.9      |               |                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 5,256.9      |               |                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 5,430.1      |               | Massive Point Lookout (final)                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 5,579.1      |               |                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 5,928.1      |               | Mancos (final)                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 6,654.9      |               | Upper Gallup (final)                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 7,350.1      |               | Greenhorn (final)                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 7,416.0      |               | Graneros (final)                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 7,440.0      |               | Dakota (final)                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 7,450.1      |               | Tubing Pup Joint; 2 3/8 in; 4.70 lb/ft; J-55; 7,560.8 ftKB; 7,562.9 ftKB    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 7,540.0      |               | Tubing; 2 3/8 in; 4.70 lb/ft; J-55; 7,562.9 ftKB; 7,594.0 ftKB              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 7,560.7      |               |                                                                             | Perforated; 7,450.0-7,656.0; 7/16/2008                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 7,563.0      |               | Pump Seating Nipple; 2 3/8 in; 4.70 lb/ft; J-55; 7,594.0 ftKB; 7,595.1 ftKB |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 7,593.8      |               | Mule Shoe; 2 3/8 in; 4.70 lb/ft; J-55; 7,595.1 ftKB; 7,595.9 ftKB           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 7,595.1      |               |                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 7,595.8      |               |                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 7,655.8      |               |                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 7,685.0      |               |                                                                             | Cement Plug; 7,685.0-7,687.7; 5/16/2008                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 7,685.4      |               |                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 7,688.0      |               |                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 7,687.0      |               |                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 7,687.7      |               |                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 7,688.0      |               |                                                                             | 3; Production; 4 1/2 in; 4.00 in; 15.9 ftKB; 7,687.7 ftKB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |