



Proposed PA WBD - Vertical

Well Name: WELLS RANCH USX BB15-11

| Original Hole [Land] | | Well Header | | | | | | | | |
|----------------------|-------------------------------|--|--------------------------------|--------------------------|-----------------------|--------------------------------|-------------|-----------------------|----------------------------------|--------------------------------------|
| MD (ftKB) | Vertical schematic (proposed) | Surface UWI 0512326560 | | Business Unit Rockies | Gov Auth Dist | Prod Tree Loc Land | | | | |
| | | Orig. KB to Gnd (ft) 13.00 | Original Spud Date 3/9/2008 | Abandon Date | Well Sub-Status PR | High... | N | | | |
| | | Comment | | | | | | | | |
| | | Geologic Horizons | | | | | | | | |
| 13.1 | | Formation Name FOXHILLS-BASE PROD | | | | Final Top MD (ftKB) 253.1 | | | | |
| | | Formation Name UPPER PIERRE AQUIFER-TOP PROD | | | | Final Top MD (ftKB) 442.8 | | | | |
| 25.9 | | Formation Name UPPER PIERRE AQUIFER-BASE PROD | | | | Final Top MD (ftKB) 1,478.7 | | | | |
| 474.1 | | Formation Name A SAND-TOP PROD | | | | Final Top MD (ftKB) 2,284.9 | | | | |
| 475.1 | | Formation Name PIERRE | | | | Final Top MD (ftKB) 2,613.0 | | | | |
| 674.9 | | Formation Name A SAND-BASE PROD | | | | Final Top MD (ftKB) 2,875.4 | | | | |
| 1,832.0 | | Formation Name PARKMAN-TOP PROD | | | | Final Top MD (ftKB) 3,433.5 | | | | |
| 2,165.0 | | Formation Name PARKMAN-BASE PROD | | | | Final Top MD (ftKB) 3,806.5 | | | | |
| 2,265.1 | | Formation Name SUSSEX-TOP PROD | | | | Final Top MD (ftKB) 3,919.1 | | | | |
| 2,267.1 | | Formation Name SUSSEX-BASE PROD | | | | Final Top MD (ftKB) 4,320.3 | | | | |
| 3,915.0 | | Formation Name SHANNON-TOP PROD | | | | Final Top MD (ftKB) 4,727.5 | | | | |
| 3,919.9 | | Formation Name SHANNON-BASE PROD | | | | Final Top MD (ftKB) 4,926.4 | | | | |
| 6,288.1 | | Formation Name TEEPEE BUTTES | | | | Final Top MD (ftKB) 5,605.0 | | | | |
| 6,313.3 | | Formation Name INTRA SHARON SPGS MK | | | | Final Top MD (ftKB) 6,327.7 | | | | |
| 6,315.9 | | Formation Name NIOBRARA-TOP PROD | | | | Final Top MD (ftKB) 6,362.0 | | | | |
| 6,327.4 | | Formation Name NIO A CHALK | | | | Final Top MD (ftKB) 6,362.2 | | | | |
| 6,363.8 | | Formation Name NIO A MARL | | | | Final Top MD (ftKB) 6,384.8 | | | | |
| 6,379.9 | | Formation Name NIO B CHALK | | | | Final Top MD (ftKB) 6,438.0 | | | | |
| 6,454.1 | | Formation Name NIO B MARL | | | | Final Top MD (ftKB) 6,471.9 | | | | |
| 6,470.1 | | Formation Name NIO C CHALK | | | | Final Top MD (ftKB) 6,517.4 | | | | |
| 6,583.0 | | Formation Name NIO C MARL | | | | Final Top MD (ftKB) 6,548.6 | | | | |
| 6,604.3 | | Formation Name NIO D CHALK | | | | Final Top MD (ftKB) 6,581.2 | | | | |
| 6,629.9 | | Formation Name NIO FT HAYS | | | | Final Top MD (ftKB) 6,605.6 | | | | |
| 6,641.1 | | Formation Name CODELL | | | | Final Top MD (ftKB) 6,629.0 | | | | |
| 6,774.6 | | Formation Name CARLILE | | | | Final Top MD (ftKB) 6,641.4 | | | | |
| 6,775.6 | | Formation Name GREENHORN | | | | Final Top MD (ftKB) 6,707.0 | | | | |
| 6,775.9 | | Surface Location (Congressional) | | | | | | | | |
| 6,790.0 | | Qtr 3 NE | Qtr 4 SW | Section 15 | Twنش... 5 | Twنش... N | Range 63 | Rng E/... W | Latitude (°) 40.39782306 9 | Longitude (°) -104.425087687 9 |
| 6,791.3 | | Wellbore Sections | | | | | | | | |
| | | Section Des | | Hole Size (in) | | Top Depth (ftKB) | | Btm Depth (ftKB) | | |
| | | SURFACE | | 12 1/4 | | 13.0 | | 485.0 | | |
| | | PRODUCTION | | 7 7/8 | | 485.0 | | 6,800.0 | | |
| | | Casing Strings | | | | | | | | |
| | | Csg Des | | Run Date | OD (in) | Wt/Len (lb/ft) | Grade | Top Depth (MD) (ftKB) | Set Depth (MD) (ftKB) | |
| | | Surface | | 3/9/2008 | 8 5/8 | 24.00 | J-55 | 13 | 475 | |
| | | Production Casing | | 3/12/2008 | 4 1/2 | 11.60 | M-80 | 13 | 6791.4 | |
| | | Cement | | | | | | | | |
| | | Des | | | Start Date | | Top (ftKB) | | Btm (ftKB) | |
| | | Surface Casing Cement | | | 3/9/2008 | | 13.0 | | 475.0 | |



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Well Name: WELLS RANCH USX BB15-11

| Original Hole [Land] | | Cement | | | |
|---------------------------------|---------------------------------------|--------------------------------|----------------------|--------------------------|---------------------|
| MD (ftKB) | Vertical schematic (proposed) | Des | Start Date | Top (ftKB) | Btm (ftKB) |
| | | Production Casing Cement | 3/12/2008 | 1,832.0 | 6,791.4 |
| Stim/Frac Summary | | | | | |
| Min Top Depth (ftKB) | | | Max Btm Depth (ftKB) | | |
| 6,364.0 | | | 6,641.0 | | |
| Perforations | | | | | |
| Linked Zone | | Date | 4/21/2025 00:00 | Top Depth (ftKB) | Bottom Depth (ftKB) |
| | | | | 675.0 | 675.0 |
| Linked Zone | | Date | 4/22/2008 16:00 | Top Depth (ftKB) | Bottom Depth (ftKB) |
| NIOBRARA, Original Hole | | | | 6,364.0 | 6,380.0 |
| Linked Zone | | Date | 4/22/2008 16:00 | Top Depth (ftKB) | Bottom Depth (ftKB) |
| NIOBRARA, Original Hole | | | | 6,454.0 | 6,470.0 |
| Linked Zone | | Date | 4/16/2008 08:00 | Top Depth (ftKB) | Bottom Depth (ftKB) |
| CODELL, Original Hole | | | | 6,630.0 | 6,641.0 |
| Other In Hole | | | | | |
| Run Date | Des | Make | OD (in) | Top (ftKB) | Btm (ftKB) |
| 8/11/2014 | Stage Tool | | 2 | 3,915.0 | 3,920.0 |
| Logs | | | | | |
| Date | Type | | | Depth Top (MD) (ftKB) | Btm (ftKB) |
| 3/12/2008 | Caliper/Comp.Density/Neutron/GR/SP/ML | | | 6,772 | 6,792.0 |
| 3/12/2008 | DIL/GR/SP/Caliper | | | 478 | 6,792.0 |
| 4/9/2008 | CBL/CCL/GR | | | 1,700 | 6,758.0 |
| 4/12/2011 | GYRO | | | 10 | 6,585.0 |
| Wellbore Plug Back Total Depths | | | | | |
| Date | Type | Com | | | PBTD (ftKB) |
| 4/9/2008 | FILL | DEPTH LOGGER FROM CBL | | | 6,765 |
| 6/23/2008 | PLUG REMNANTS | DRILL CIFTP AND CHASE TO 6776' | | | 6,776 |

Balanced Plug (Tubing and Annulus), Plug - Balanced, 4/21/2025 00:00 (Surface Plug); 13 -675; 2025-04-21; 165 sks in annulus, 55 sks in csg. 220 sks total.

675.0-675.0ftKB on 4/21/2025 00:00 (Perforated); 675-675; 2025-04-21

Cement Plug, Plug, 4/21/2025 00:00 (Courtesy Plug); 2165-2265; 2025-04-21; 10 sks

4 in, Cast Iron Bridge Plug, 4/21/2025 00:00; 2265-2267; 4; 2025-04-21

4 in, Cast Iron Bridge Plug w/ 2 SX Cement, 4/21/2025 00:00; 6288-6316; 4; 2025-04-21