# Schematic - Form 5A

**Well Name: Rieder 18T-221**

| API | Spud Date | Field Name | Surface Legal Location | State |
|---|---|---|---|---|
| 05123405690000 | 6/12/2015 | Wattenberg | SESE 18 4N 67W | CO |

Horizontal - Original Hole, 4/17/2017 1:49:05 PM

| MD (ftKB) | Vertical schematic (actual) |
|---|---|
| 11.8 | Wellhead; 13.0; 3.10 |
| | Casing Hanger; 13.0; 4.00 |
| 16.1 | Casing Joints; 16.1; 882.90 |
| 851.0 | Guide Shoe; 899.0; 1.00 |
| | Surface Casing Cement; 13.0-900.0 |
| | Casing Joints; 17.0; 7,277.50 |
| 899.9 | PBR; 7,086.9; 16.34 |
| | Liner Top Packer; 7,103.2; 3.40 |
| 6,965.9 | Intermediate Casing Cement; 13.0-7,339.0 |
| | Liner Hanger; 7,106.6; 5.70 |
| 7,063.3 | Cross Over; 7,112.3; 0.70 |
| | Casing Joints; 7,113.0; 287.50 |
| 7,065.3 | Float Collar; 7,294.5; 1.50 |
| | Casing Joints; 7,296.0; 41.47 |
| 7,097.4 | Float Shoe; 7,337.5; 1.50 |
| | Swell Packer; 7,400.5; 12.60 |
| 7,103.3 | Casing Joints; 7,413.1; 123.41 |
| | Frac Sleeve; 7,536.5; 4.11 |
| 7,105.0 | Casing Joints; 7,540.6; 82.86 |
| | Swell Packer; 7,623.5; 12.60 |
| 7,112.2 | Casing Joints; 7,636.1; 123.13 |
| | Frac Sleeve; 7,759.2; 4.11 |
| 7,294.6 | Casing Joints; 7,763.3; 82.03 |
| | Swell Packer; 7,845.4; 12.60 |
| 7,337.6 | Casing Joints; 7,858.0; 82.35 |
| | Frac Sleeve; 7,940.3; 4.11 |
| 7,361.9 | Casing Joints; 7,944.4; 82.82 |
| | Swell Packer; 8,027.2; 12.60 |
| 7,413.1 | Casing Joints; 8,039.9; 124.39 |
| | Frac Sleeve; 8,164.2; 4.11 |
| 7,540.7 | Casing Joints; 8,168.4; 81.49 |
| | Swell Packer; 8,249.8; 12.60 |
| 7,636.2 | Casing Joints; 8,262.4; 82.97 |
| | Frac Sleeve; 8,345.4; 4.11 |
| 7,763.5 | Casing Joints; 8,349.5; 82.87 |
| | Swell Packer; 8,432.4; 12.60 |
| 7,857.9 | Casing Joints; 8,445.0; 124.35 |
| | Frac Sleeve; 8,569.3; 4.11 |
| 7,944.6 | Casing Joints; 8,573.5; 82.81 |
| | Swell Packer; 8,656.3; 12.60 |
| 8,039.7 | Casing Joints; 8,668.9; 82.96 |
| | Frac Sleeve; 8,751.8; 4.11 |
| 8,168.3 | Casing Joints; 8,755.9; 82.80 |
| | Swell Packer; 8,838.7; 12.60 |
| 8,262.5 | Casing Joints; 8,851.3; 124.34 |
| | Frac Sleeve; 8,975.7; 4.11 |
| 8,349.4 | Casing Joints; 8,979.8; 82.80 |
| | Swell Packer; 9,062.6; 12.60 |
| 8,444.9 | Casing Joints; 9,075.2; 124.37 |
| | Frac Sleeve; 9,199.6; 4.11 |
| 8,573.5 | Casing Joints; 9,203.7; 82.81 |
| | Swell Packer; 9,286.5; 12.60 |
| 8,669.0 | Casing Joints; 9,299.1; 82.93 |
| | Frac Sleeve; 9,382.0; 3.57 |
| 8,755.9 | Casing Joints; 9,385.6; 81.96 |
| | Swell Packer; 9,467.5; 12.60 |
| 8,851.4 | Casing Joints; 9,480.1; 123.50 |
| | Frac Sleeve; 9,603.6; 4.11 |
| 8,979.7 | Casing Joints; 9,607.7; 82.58 |
| | Swell Packer; 9,690.3; 12.60 |
| 9,075.1 | Casing Joints; 9,702.9; 82.97 |
| | Frac Sleeve; 9,785.9; 4.04 |
| 9,203.7 | Casing Joints; 9,789.9; 82.86 |
| | Swell Packer; 9,872.8; 12.60 |
| 9,299.2 | Casing Joints; 9,885.4; 124.39 |
| | Frac Sleeve; 10,009.8; 4.11 |
| 9,385.5 | Casing Joints; 10,013.9; 82.74 |
| | Swell Packer; 10,096.6; 12.60 |
| 9,480.0 | Casing Joints; 10,109.2; 123.58 |
| | Frac Sleeve; 10,232.8; 4.04 |
| 9,607.6 | Casing Joints; 10,236.8; 82.87 |
| | Swell Packer; 10,319.7; 12.60 |
| 9,702.8 | Casing Joints; 10,332.3; 83.00 |
| | Frac Sleeve; 10,415.3; 4.04 |
| 9,790.0 | Casing Joints; 10,419.4; 82.84 |
| | Swell Packer; 10,502.2; 12.60 |
| 9,885.5 | Casing Joints; 10,514.8; 124.30 |
| | Frac Sleeve; 10,639.1; 4.11 |
| 10,013.8 | Casing Joints; 10,643.2; 82.87 |
| | Swell Packer; 10,726.1; 12.60 |
| 10,109.3 | Casing Joints; 10,738.7; 82.97 |
| | Frac Sleeve; 10,821.7; 4.11 |
| 10,236.9 | Casing Joints; 10,825.8; 82.81 |
| | Swell Packer; 10,908.6; 12.60 |
| 10,332.3 | Casing Joints; 10,921.2; 124.31 |
| | Frac Sleeve; 11,045.5; 4.11 |
| 10,419.3 | Casing Joints; 11,049.6; 81.86 |
| | Swell Packer; 11,131.4; 12.60 |
| 10,514.8 | Casing Joints; 11,144.1; 82.96 |
| | Frac Sleeve; 11,227.0; 4.11 |
| 10,643.4 | Casing Joints; 11,231.1; 82.50 |
| | Swell Packer; 11,313.6; 12.60 |
| 10,738.5 | Casing Joints; 11,326.2; 123.86 |
| | Frac Sleeve; 11,450.1; 4.11 |
| 10,825.8 | Casing Joints; 11,454.2; 81.73 |
| | Float Collar; 11,535.9; 1.08 |
| 10,921.3 | Float Shoe; 11,537.0; 2.00 |
| 11,049.5 | |
| 11,144.0 | |
| 11,231.0 | |
| 11,326.1 | |
| 11,454.1 | |
| 11,537.1 | |
| 11,543.0 | |