



# Well History

Well Name: **Floyd 5**

|                                   |  |                                  |                              |                                     |                                |              |
|-----------------------------------|--|----------------------------------|------------------------------|-------------------------------------|--------------------------------|--------------|
| API<br>05123245490000             | Surface Legal Location<br>SESE 32 4N 66W | Field Name<br>Wattenberg         | State<br>CO                  | Well Configuration Type<br>Vertical |                                |              |
| Ground Elevation (ft)<br>4,771.00 | Original KB Elevation (ft)<br>4,786.00   | KB-Ground Distance (ft)<br>15.00 | Spud Date<br>6/26/2007 00:00 | Rig Release Date<br>7/1/2007 00:00  | On Production Date<br>7/8/2007 | Abandon Date |

**Job**

**Drilling - original, 6/26/2007 00:00**

|                          |   |                         |                      |                                    |
|--------------------------|---|-------------------------|----------------------|------------------------------------|
| Job Category<br>Drilling | Primary Job Type<br>Drilling - original | Start Date<br>6/26/2007 | End Date<br>7/1/2007 | Objective<br>Drill new Codell well |
|--------------------------|---|-------------------------|----------------------|------------------------------------|

**Daily Operations**

| Start Date | Summary  | End Date  |
|------------|--|-----------|
| 6/26/2007  | RIG UP & TEAR DOWN, DIG RAT & MOUSE HOLE, SPUD WELL. DRILL FROM 0-524'   | 6/26/2007 |
| 6/27/2007  | DRILL 12.25' HOLE, WIPER TRIP, POOH, RUN CASING @ LAND @ 633', CEMENT TO SURFACE W/ 440 SXS 15.2 PPG, NIPPLE UP BOPS & TEST. DRILL FROM 633-926' | 6/27/2007 |
| 6/28/2007  | DRILL 7 7/8" HOLE FROM 926-3591.   | 6/28/2007 |
| 6/29/2007  | DRILL 7 7/8" HOLE FROM 3622-5902'  | 6/29/2007 |
| 6/30/2007  | DRILL 7 7/8" HOLE FROM 5902-7462' RIG REPAIR 1 HR.   | 6/30/2007 |
| 7/1/2007   | CONDITION MUD & CIRCULATE, LAYDOWN DP & BHA, RIH W/ 171 JTS 4.5" CSG, LAND @ 7462.87' RU HALLIBURTON & CEMENT W/ 800 SXS. RELEASE RIG @ 0630 AM. | 7/1/2007  |

**Initial Completion, 7/5/2007 00:00**

|                                     |  |                        |                      |   |
|-------------------------------------|--|------------------------|----------------------|---|
| Job Category<br>Completion/Workover | Primary Job Type<br>Initial Completion | Start Date<br>7/5/2007 | End Date<br>7/8/2007 | Objective<br>Complete a new Codell Well |
|-------------------------------------|--|------------------------|----------------------|---|

**Daily Operations**

| Start Date | Summary   | End Date  |
|------------|---|-----------|
| 7/5/2007   | Install 4 1/2" frac valve & RU Bran-deX Wireline. Ran a Gamma-ray/Cmt Bond/VDL/CCL log RU Bran-deX Wireline & correlated back to the PSI Density / Neutron open hole log (est PBTd @ 7399' WD & est TOC @ 800'). RU H-S Testing, loaded the hole & pressure tested the csg to 5000# for 15 min (good test) RD H-S. Made up & ran a 3.750" gauge ring. Made up a 3 1/8"x 12' slick gun, RIH & perforated the Codell formation from 7280' to 7292' w/ 6-spf (72 shots), 23 gram, .42" entry, 20.45" penetration @ 60 deg phasing. RD EWL & secured the well. Spot & fill frac tanks. MI & RU Halliburton Services. SIP=0#, load well bore w/ 0 gals & break Codell formation at 3730# @ 4.7 bpm. Start reverse step test (Eff perms=52, NWB=393, Perf=24#, WB=408#), ISIP=2960#, 5-min=2258# (.870 IFG). Increased the 1st Silverstim stage by 95.2 bbls. Stimulate the Codell formation w/ 476.9 bbls of cross linked FR, 2042.4 bbls of Silverstim fluids. 218,773# of Ottawa 30/50 sand & 13,652# of 12/20 SB Excel sand. Press: max/min/avg 4665/3634/3817, Rate: max/min/avg 33.4/29.1/30.4 Average temp=73.1 degs, Average viscosity=20.9 cp, ISIP=3646#, 5-min=3431# (.930 IFFG). Start well on flow back w/ a 16/64th choke @ 2:00 pm, SIP=3200#, FP=2950#, RDMO Halliburton. | 7/5/2007  |
| 7/25/2007  | MIPU & SDON.  | 7/25/2007 |
| 7/26/2007  | Well flowed back 900 bbls water, 22 bbls oil & was sent to the battery on 06/07 w/ 1050#. WP=220#, bled down & killed well w/ 80 bbls 2% KCL. ND the frac valve, NU x-over flange & the BOPs. Made up prod equip, TIH w/ prod tbg tallying & tagged TOF w/ 232-jts @ 7288' MD. NU the J-U head, loaded the hole & washed to PBTd w/ 236-jts @ 7409' MD. Rolled the hole clean, ND the J-U head, laid down 6-jts & landed prod tbg as follows= 2 3/8" API SN w/ notched collar & 230-jts 2 3/8" J-55 4.7# tbg to surface (SN @ 7246' MD). Broach the tbg, ND BOPs & the WH. Secured the well & SDON.   | 7/26/2007 |
| 7/27/2007  | SITP=5#, SICP=5#. Start swabbing w/ IFL @ 1900', kicked well off & let it unload to the tank. Secured the well, RDPU, pump, rig tank & MO equip. Returned well to production.<br>FINAL REPORT   | 7/27/2007 |

**Wellbore Integrity, 2/8/2016 06:00**

|                                     |  |                        |                       |   |
|-------------------------------------|--|------------------------|-----------------------|---|
| Job Category<br>Completion/Workover | Primary Job Type<br>Wellbore Integrity | Start Date<br>2/8/2016 | End Date<br>7/28/2016 | Objective<br>TEST TUBING, SET RBP ABOVE THE TOP PERFS, TEST THE CASING, AND INSTALL 5K WELL HEAD ON THE CASING FOR WBI. |
|-------------------------------------|--|------------------------|-----------------------|---|

**Daily Operations**

| Start Date | Summary  | End Date |
|------------|--|----------|
| 2/8/2016   | ITP 440 PSI, ICP 440 PSI, ISCP 0 PSI, WELL WAS ON BLOW DOWN THROUGH PRODUCTION EQUIPMENT, MIRU ENSIGN RIG 339, BLOW DOWN WELL TO RIG TANK, FUNCTION TESTED BOP, CONTROLLED WELL WITH 40 BBL OF CLAYTREAT/BIOCIDE WATER, ND PRODUCTION TREE AND MASTER VALVE, NU BOP, PU TAG JTS, RAN 5 JTS 158' AND NO TAG, LD TAG JTS, POOH WITH 2 3/8" PRODUCTION PIPE TO THE DERRICK, MIRU PICK TESTERS, PU STS'S 3 7/8 BLADE BIT AND 4 1/2 SCRAPER, RIH WITH PRODUCTION PIPE, RD THE TESTER, ALL PIPE TESTED GOOD, LD 10 JTS ON THE GROUND, PULLED 120 JTS TO THE DERRICK, SI AND SECURE WELL FOR THE NIGHT, SD. | 2/8/2016 |
| 2/9/2016   | NO PRESSURES, OPEN THE WELL, FINISH PULLING PIPE OUT OF THE HOLE, LD BIT AND SCRAPER, PU STS'S 4 1/2 RBP DRESSED FOR 11.6 CASING, RIH WITH PRODUCTION PIPE, SET RBP AT 6920.94 WITH 220 JTS IN THE HOLE 15' OUT ON JT 220, LD 1 JT, CIRCULATED OIL AND GAS OUT, PRESSURE TESTED CASING AND PLUG UP TO 2000 PSI, HELD GOOD FOR 15 MINUTES, LD 4 JTS ON THE GROUND, SPOTTED 2 SACKS OF SAND ON TOP OF THE PLUG, LD 5 MORE JTS ON THE GROUND, ND BOP AND 3K WELL HEAD, INSTALLED 5K WELL HEAD ON THE CASING, CLOSE WELL, RACK PUMP AND TANK, RDMOL.   | 2/9/2016 |