



## Well History

Well Name: MDM 33-14

|                                   |  |  |  |                                  |  |                              |  |                                     |  |                                 |  |              |  |
|-----------------------------------|--|--|--|----------------------------------|--|------------------------------|--|-------------------------------------|--|---------------------------------|--|--------------|--|
| API<br>05123213300000             |  | Surface Legal Location<br>NWSE 14 2N 68W |  | Field Name<br>Wattenberg         |  | State<br>CO                  |  | Well Configuration Type<br>Vertical |  |                                 |  |              |  |
| Ground Elevation (ft)<br>4,891.00 |  | Original KB Elevation (ft)<br>4,903.00   |  | KB-Ground Distance (ft)<br>12.00 |  | Spud Date<br>5/30/2003 00:00 |  | Rig Release Date<br>6/4/2003 00:00  |  | On Production Date<br>6/17/2003 |  | Abandon Date |  |

### Daily Operations

| Start Date | Summary   | End Date |
|------------|---|----------|
| 5/4/2016   | CREW TO LOCATION. HELD SAFETY MEETING. TP: 100 PSI CP: 100 PSI SCP: 0 PSI<br>OPENED WELL TO RIG TANK. KILLED W/40 BBLs OF BIOCID/CLAYTREAT WATER. POOH. LD BIT AND SCRAPER.<br>MIRU CASED HOLE WIRELINE. RIH WITH OWEN 4.5" 10K CIBP. CORRELATED WITH LOGS, GOT ON DEPTH AND SET<br>CIBP AT 7110' KB. POOH. RIH WITH DUMP BAILER AND SPOTTED 2 SKS OF CEMENT ON TOP OF CIBP. POOH. RDMO<br>WIRELINE. PU STS 3-7/8" CONE BIT, PUMP OFF BIT SUB AND SEAT NIPPLE AND RIH WITH 208 JNTS OF 2-3/8" 4.7# J-<br>55 8RD EUE TBNG. ND BOPS. LAND TBNG AT 6849.61' KB. NU 5K TOP FLANGE. LOADED HOLE AND ROLLED CLEAN.<br>TESTED CIBP, CASING AND WELLHEAD TO 2000 PSI. HELD GOOD. BLED OFF PRESSURE. BROACHED TBNG TO SN.<br>MADE 1 SWAB RUN FROM 1000'. SECURED WELL. RDMO<br><br>11.00' Adj KB<br>6835.51' - 208 jnts of 2-3/8" 4.7# J-55 8rd eue tbng<br>1.10' - Seat Nipple<br>2.00' - 3-7/8" cone bit w/pump off bit sub with float<br>6849.61' KB              | 5/4/2016 |
| 9/8/2016   | NO PRESSURES, WELL WAS SHUT IN, MIRU BAYOU RIG 22, FUNCTION TESTED BOP, OPENED THE WELL, ND 5K TOP<br>FLANGE AND MASTER VALVE, NU BOP, PU, PRESSURE TESTED BOP AND LINES UP TO 2500 PSI, NO LEAKS,<br>DROPPED 2" STANDING VALVE DOWN TBG, PRESSURE TESTED TBG UP TO 3000 PSI, HELD GOOD FOR 15 MINUTES,<br>FISHED OUT STANDING VALVE WITH SAND LINE, POOH WITH PRODUCTION PIPE, LD PO BIT AND BIT SUB, PU A 3 7/8<br>BURN SHOE, RIH WITH PRODUCTION PIPE, TAGGED CEMENT AT 7093.56 WITH 216 JTS, PU STS'S POWER SWIVEL,<br>DRILLED OUT CEMENT DOWN TO THE PLUG AT 7111.21 WITH 217 JTS, STARTED DRILLING OUT THE PLUG, PLUG<br>DROPPED 2" AND LOST CIRCULATION, DRILLED OUT THE PLUG AND CHASED TO 7902.41 WITH 242 JTS, COULDN'T<br>CLEAN OUT TO PLUG BACK BECAUSE WE DIDN'T GET CIRCULATION, LD 2 JTS, PULLED OUT 240 JTS TO THE<br>DERRICK, LD BURN SHOE, PICK UP 2 3/8 NC/SN, RAN 120 JTS IN THE HOLE AND SHUT IN AND SECURE WELL FOR<br>THE NIGHT, SD. | 9/8/2016 |
| 9/9/2016   | NO PRESSURES, OPENED THE WELL, FINISH RUNNING IN THE HOLE WITH 2 3/8 PRODUCTION PIPE, LANDED TBG<br>AT 7859.28 KB WITH 240 JTS 1-8' SUB AND NC/SN (14.72' ABOVE J-SAND PERFS), ND BOP, INSTALLED 5K TOP<br>FLANGE AND MASTER VALVE, RU SWAB LUBRICATOR, MADE A BROACH RUN DOWN TO SEAT NIPPLE, LD BROACH,<br>PU 2" SWAB CUPS, STARTED SWABBING, IFL AT 5000', MADE 8 SWAB RUNS, RECOVERED 20 BBL OF WATER, FFL AT<br>6300', LD SWAB LUBRICATOR, CLOSE WELL, FINAL PRESSURES, TBG STRONG BLOW, CSG 80 PSI, RACK PUMP AND<br>TANK, RDMOL.<br><br>TUBING DETAILS<br>KB 10.00<br>SUB 2 3/8 J-55 4.7 8.00<br>240JTS 2 3/8 J-55 4.7 7839.68<br>NC/SN 1.60<br>TOTAL 7859.28  | 9/9/2016 |

### Wireline, 10/25/2016 06:00

|                       |                              |                          |                        |  |
|-----------------------|------------------------------|--------------------------|------------------------|--|
| Job Category<br>Other | Primary Job Type<br>Wireline | Start Date<br>10/25/2016 | End Date<br>10/25/2016 | Objective<br>FISH PLUNGER/ BROACH TIGHT SPOT |
|-----------------------|------------------------------|--------------------------|------------------------|--|

### Daily Operations

| Start Date | Summary  | End Date   |
|------------|--|------------|
| 10/25/2016 | RU<br>RIH W/ 2"JUL FISHED PLUNGER AT 7854 OUH. TIGHT SPOT OUH AT 0-17 FT ICE AND HYDRATES ON JUL. RIH W/ 1.906<br>BROACH TAG AT 7855. CLEANED TIGHT SPOTS AT 0-17FT AT 1935 FT. RD | 10/26/2016 |