



## Well History

Well Name: Bruzewski 33-15F

|                                   |  |  |  |                                 |  |                              |  |                                       |  |                    |  |                           |  |
|-----------------------------------|--|--|--|---------------------------------|--|------------------------------|--|---------------------------------------|--|--------------------|--|---------------------------|--|
| API<br>05123154820000             |  | Surface Legal Location<br>SWSE 33 4N 66W |  | Field Name<br>Wattenberg        |  | State<br>CO                  |  | Well Configuration Type<br>Horizontal |  |                    |  |                           |  |
| Ground Elevation (ft)<br>4,786.00 |  | Original KB Elevation (ft)<br>4,794.00   |  | KB-Ground Distance (ft)<br>8.00 |  | Spud Date<br>2/17/1992 00:00 |  | Rig Release Date                      |  | On Production Date |  | Abandon Date<br>6/16/2021 |  |

### Job

#### Drilling - original, 2/17/1992 00:00

|                          |   |                         |                       |           |
|--------------------------|---|-------------------------|-----------------------|-----------|
| Job Category<br>Drilling | Primary Job Type<br>Drilling - original | Start Date<br>2/17/1992 | End Date<br>2/21/1992 | Objective |
|--------------------------|---|-------------------------|-----------------------|-----------|

#### Daily Operations

| Start Date | Summary | End Date |
|------------|---------|----------|
|            |         |          |

#### Abandon Zone, 2/23/1992 00:00

|                         |                                  |                         |                       |           |
|-------------------------|----------------------------------|-------------------------|-----------------------|-----------|
| Job Category<br>Abandon | Primary Job Type<br>Abandon Zone | Start Date<br>2/23/1992 | End Date<br>2/23/1992 | Objective |
|-------------------------|----------------------------------|-------------------------|-----------------------|-----------|

#### Daily Operations

| Start Date | Summary | End Date |
|------------|---------|----------|
|            |         |          |

#### WBI - Abandon Well PDC, 6/10/2021 06:00

|                         |  |                         |                       |  |
|-------------------------|--|-------------------------|-----------------------|--|
| Job Category<br>Abandon | Primary Job Type<br>WBI - Abandon Well PDC | Start Date<br>6/10/2021 | End Date<br>6/16/2021 | Objective<br>Re-enter well to P&A well |
|-------------------------|--|-------------------------|-----------------------|--|

#### Daily Operations

| Start Date | Summary   | End Date  |
|------------|---|-----------|
| 6/10/2021  | ATP stubbed up 8-5/8" casing above ground and installed 8-5/8" wellhead and valves prior to rig move in.<br><br>Lay down containment. MIRU Ensign rig 350 and related equipment. Held safety meeting. 0 pressure on well. NU STS 11" 3k adapter flange to 8-5/8" wellhead. NU RMOR 11" x 9" spool, 9" flow cross with 2" and 3" flanges, 9" 3k BOP with blind and 2-7/8" pipe ram and 9" annular BOP with bird bath and Washington head. RMOR torqued all flanges and test pipe rams to 250 psi low and 1500 psi high. Test annular BOP to 250 psi low and 1500 psi high. Good test. All American lay 3" hardline and RU separator and incinerator. RU pipe wrangler. Lay out and tally Blueprint 2-7/8" 7.9# P-110 PH6 workstring. RU power swivel. Secured well. SDFD.  | 6/10/2021 |
| 6/14/2021  | Crew to location.<br>IWP CSG-80 psi. Held safety meeting. Opened well to tank. Blew down instantly. P/u RMOR 7 7/8" blade bit, x over 2 3/8" reg to 3 1/2" reg, 3 1/8" mud motor, x over 2 3/8" reg to 2 7/8" pac, 1- 2 7/8" 22# spiral drill collar. Tagged at ground level. Function tested motor. Established circulation and drilled down through surface cement. Continued in w/ a total of 6 drill collars. Changed over to 2 7/8" PH6 tbg. P/u rih w/ 8 jts PH6 to put eot @ 441'. Rolled hole clean. Closed pipe rams and pressured up surface csg to 950 psi. Held for 15 min. Good test. Bled down pressure. Continued to rih to a tag w/ 10' out on jt #11 @ 525'. Established circulation and drilled through the shoe cement down to all in on jt #13 @ 597'. Pumping 2.2 bbls/min rate @ 500 psi w/ cement across the shakers. At 597' we started taking heavy gas in returns. Opened well to incinerator and burned while circulating at 120 MCF rate @ 70 psi for 1.5 hours. Gas fell off. Decision was made to trip out of the hole and pick up a backpressure valve above the mud motor. Tripped out to the derrick w/ 12 jts workstring and laid down one joint and all drill collars. Installed 1- backpressure valve above motor and rih in the same order to tag on jt # 13 all in @ 597'. Continued to wash and ream pumping 2.5 bpm at 1000 psi down to tag at 2196'. Drilled down to 2196' and tbg hung up. Worked tbg free and reamed slowly to clean up. Rolled heavy mud and gas out of hole. Washed and reamed down to 3140' with 95 jnts and BHA. Gas kick. Burned gas at a rate of 120-150 mcf/day. Swivel packing failed. ND swivel and NU TIW valve and rolled hole clean burning gas while STS repacked swivel. Continued down with tags between 3870' and 3951' then smooth to hard tag at 4296' with 132 jnts and BHA. Rolled hole clean pumping 2 bpm at 1300 psi while burning gas at 125 mcf/day rate.   | 6/15/2021 |
| 6/15/2021  | Crew to location<br>Held safety meeting. Killed pump. Well Balanced. Tooh s/b in the derrick w/ 130 jts ph6 workstring, l/d on rack w/ 3 jts workstring, 6 drill collars and BHA. Tripped back in out of the derrick w/ 130 jts PH6 tbg. P/u RIH off rack w/ 3 jts PH6 workstring for a total of 133 jts @ 4145'. R/u Magnum cement services. Held safety meeting and presured tested lines to 2500 psi. Pumped 10 bbls fresh water ahead to establish circulation and rate. Mixed up and pumped 307 sacks ( 70 bbls) 14.1 PPG Type 3 cement from 4145' to aprox. 3461'. Displaced w/ 18 bbls fresh water to balanced plug. Good circulation throughout entire job at 2 bbl/min rate. R/d cementers. POOH L/d on racks w/ 28 jts workstring leaving 105 in the hole @ 3258'. R/u rig pump and established circulation and rolled hole for 4 hours mandatory wait time. Killed pump. P/u RIH off rack w/ 8 jts tbg and tagged 15' in on jt # 113 @ 3492'. Good tag. POOH L/d on racks w/ 64 jts tbg leaving 49 in the hole @ 1521'. R/u cementers. Pumped 10 bbls fresh water ahead to establish rate. Mixed up and pumped 123 sacks ( 28 bbls) 14.1 PPG Type 3 cement from 1521' to approx. 1305'. Good circulation throughout the entire job at 2 bbl/min rate. Displaced w/ 6.8 bbls fresh water to balance plug. R/d cementers. POOH L/d on racks w/ 12 jts tbg leaving 37' in the hole @ 1147'. R/u rig pump, established circulation and rolled hole for mandatory 4 hr wait time. PU 5 jnts of 2-7/8" PH6 tbg and RIH. Tagged cement plug at 1299' with 42 jnts. LD 19 jnts. EOT at 719'. RU Magnum cementers. Established circulation with 5 bbls fresh water. Mixed and pumped 254 sks of Type III 14.1# cement in a 58 bbl slurry to surface. 1 bbl of cement returned to tank. LD tbg. Topped off surface plug with 15 sks. Total of 61.5 bbls (269 sks) pumped for surface plug. Washed up pump and lines. RDMO cementers. ND stack. Installed nightcap on wellhead.<br>RDMO<br>Well to be cut and capped after 5 days per COGCC | 6/16/2021 |