# State of Colorado
# Oil and Gas Conservation Commission

FORM 5
Rev 09/14

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109

## DRILLING COMPLETION REPORT

Document Number: 401667683

Date Received:

This form is to be submitted within 30 days of the setting of production casing, the plugging of a dry hole, the deepening or sidetracking of a well, or any time the wellbore configuration is changed. If the well is deepened or sidetracked a new Form 5 is required. If an attempt has been made to complete/produce a well, then the operator shall submit Form 5A (Completed Interval Report.) If the well has been plugged, a form 6 (Well Abandonment Report) is required.

Completion Type   [X] Final completion       [ ] Preliminary completion

OGCC Operator Number:    47120                                   Contact Name:   CRYSTAL MCCLAIN

Name of Operator:   KERR MCGEE OIL & GAS ONSHORE LP          Phone:  (720) 9294398

Address:   P O BOX 173779                                        Fax:

City:  DENVER          State:   CO     Zip:   80217-

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API Number    05-123-45915-00                              County:    WELD

Well Name:    AZUL                                   Well Number:  13-2HZ

Location:   QtrQtr:  SWSW    Section:  13    Township:  1N    Range:  66W    Meridian:  6

Footage at surface:   Distance:  921  feet   Direction:  FSL    Distance:  1174  feet   Direction:  FWL

As Drilled Latitude:   40.046543          As Drilled Longitude:   -104.730756

GPS Data:

Date of Measurement:  02/09/2018   PDOP Reading:  1.5   GPS Instrument Operator's Name:   ROB WILSON

** If directional footage at Top of Prod. Zone   Dist.:  454  feet. Direction:  FNL   Dist.:  285  feet. Direction:  FWL

Sec:  24    Twp:  1N    Rng:  66W

** If directional footage at Bottom Hole   Dist.:  480  feet. Direction:  FSL   Dist.:  383  feet. Direction:  FWL

Sec:  24    Twp:  1N    Rng:  66W

Field Name:   WATTENBERG                        Field Number:    90750

Federal, Indian or State Lease Number:

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Spud Date: (when the 1st bit hit the dirt)   01/27/2018  Date TD:   04/13/2018   Date Casing Set or D&A:   04/13/2018

Rig Release Date:   04/17/2018   Per Rule 308A.b.

Well Classification:

[ ] Dry  [X] Oil  [ ] Gas/Coalbed  [ ] Disposal  [ ] Stratigraphic  [ ] Enhanced Recovery  [ ] Storage  [ ] Observation

| Total Depth | MD | 12447 | TVD** | 7581 | Plug Back Total Depth | MD | 12437 | TVD** | 7581 |

| Elevations | GR | 5071 | KB | 5088 | **Digital Copies of ALL Logs must be Attached per Rule 308A** | [ ] |

List Electric Logs Run:

GR, CBL, OHL RUN ON THE AZUL 13-12HZ WELL (API: 05-123-45909).

## CASING, LINER AND CEMENT

| Casing Type | Size of Hole | Size of Casing | Wt/Ft | Csg/Liner Top | Setting Depth | Sacks Cmt | Cmt Top | Cmt Bot | Status |
|---|---|---|---|---|---|---|---|---|---|
| CONDUCTOR | 26 | 16 | 42 | 0 | 97 | 64 | 0 | 97 | VISU |
| SURF | 13+1/2 | 9+5/8 | 36 | 0 | 1,867 | 672 | 0 | 1,867 | VISU |
| 1ST | 7+7/8 | 5+1/2 | 17 | 0 | 12,437 | 1,100 | 56 | 12,437 | CBL |

## STAGE/TOP OUT/REMEDIAL CEMENT

Cement work date: _____

| Method used | String | Cementing tool setting/perf depth | Cement volume | Cement top | Cement bottom |
|---|---|---|---|---|---|
| | | | | | |

Details of work:

| |
|---|
| |

## FORMATION LOG INTERVALS AND TEST ZONES

| FORMATION NAME | Measured Depth | | Check if applies | | COMMENTS (All DST and Core Analysis must be submitted to COGCC) |
|---|---|---|---|---|---|
| | Top | Bottom | DST | Cored | |
| FOX HILLS | 1,644 | | | | |
| PARKMAN | 4,381 | | | | |
| SUSSEX | 4,758 | | | | |
| SHARON SPRINGS | 7,345 | | | | |
| NIOBRARA | 7,376 | | | | |
| CODELL | 8,175 | | | | Due to faulting, the top of the Codell was not seen. This is the depth at which the formation was first entered. |
| CARLILE | 8,601 | | | | |

Comment:

Due to anti-collision needs and the variability of directional drilling, our as-drilled BHL could be different than the permitted.

Per Rule 317.p Exception, Open Hole Resistivity Logs have been run on the Azul 13-12HZ Well (API: 05-123-45909).

The Top of Productive Zone provided is an estimate based on the landing point at 8104' MD.

Completion is estimated for Q3 2018.

Due to faulting, the Fort Hays was not seen in this well. We faulted from the Nio C directly into the Codell.

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: _____    Print Name: CRYSTAL MCCLAIN

Title: REGULATORY ANALYST        Date: _____    Email: CRYSTAL.MCCLAIN@ANADARKO.COM

# Attachment Check List

| Att Doc Num | Document Name | attached ? | | | |
|---|---|---|---|---|---|

## Attachment Checklist

| Att Doc Num | Document Name | Yes | | No | |
|---|---|---|---|---|---|
| 401667807 | CMT Summary * | Yes | ☒ | No | ☐ |
| | Core Analysis | Yes | ☐ | No | ☒ |
| 401667806 | Directional Survey ** | Yes | ☒ | No | ☐ |
| | DST Analysis | Yes | ☐ | No | ☒ |
| | Logs | Yes | ☒ | No | ☐ |
| | Other | Yes | ☐ | No | ☒ |

## Other Attachments

| Att Doc Num | Document Name | Yes | | No | |
|---|---|---|---|---|---|
| 401667798 | LAS-CEMENT BOND | Yes | ☒ | No | ☐ |
| 401667800 | PDF-CEMENT BOND | Yes | ☒ | No | ☐ |
| 401667802 | PDF-MWD/LWD | Yes | ☒ | No | ☐ |
| 401667804 | LAS-MWD/LWD | Yes | ☒ | No | ☐ |
| 401667809 | DIRECTIONAL DATA | Yes | ☒ | No | ☐ |

# General Comments

| User Group | Comment | Comment Date |
|---|---|---|
| | | Stamp Upon Approval |

Total: 0 comment(s)