

FORM  
5Rev  
11/20

## State of Colorado

## Oil and Gas Conservation Commission

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



Document Number:

402516927

Date Received:

## DRILLING COMPLETION REPORT

Per Rule 308A, this form and all required attachments shall be submitted after completing the drilling operations to drill, sidetrack, or deepen a wellbore and after changing the casing and/or cement configuration of a wellbore. If any attempt has been made to test, complete, or produce the well, the operator shall also submit a Form 5A (Completed Interval Report) per Rule 308B. If the well has been plugged, the operator shall also submit a Form 6 (Well Abandonment Report) per Rule 311.

Completion Type ☒ Final completion ☐ Preliminary completion

OGCC Operator Number: 96155

Contact Name: Bethany Kerley

Name of Operator: WHITING OIL &amp; GAS CORPORATION

Phone: (303) 802-8376

Address: 1700 LINCOLN STREET SUITE 4700

Fax:

City: DENVER State: CO Zip: 80290

Email: bethany.kerley@whiting.com

API Number 05-123-43930-00

County: WELD

Well Name: Razor

Well Number: 261-2347

Location: QtrQtr: NESE Section: 26 Township: 10N Range: 58W Meridian: 6  
FNL/FSL FEL/FWL

Footage at surface: Distance: 2354 feet Direction: FSL Distance: 793 feet Direction: FEL

As Drilled Latitude: 40.808825 As Drilled Longitude: -103.825458

GPS Data: GPS Quality Value: 1.8 Type of GPS Quality Value: PDOP Date of Measurement: 05/15/2017

\*\* If directional footage at Top of Prod. Zone Dist: 2489 feet Direction: FNL Dist: 775 feet Direction: FEL  
Sec: 26 Twp: 10N Rng: 58W\*\* If directional footage at Bottom Hole Dist: 100 feet Direction: FNL Dist: 670 feet Direction: FEL  
Sec: 23 Twp: 10N Rng: 58W

Field Name: WILDCAT

Field Number: 99999

Federal, Indian or State Lease Number:

Spud Date: (when the 1st bit hit the dirt) 05/27/2017 Date TD: 05/30/2017 Date Casing Set or D&amp;A: 06/01/2017

Rig Release Date: 06/20/2017 Per Rule 308A.b.

Well Classification:

☐ Dry ☒ Oil ☐ Gas/Coalbed ☐ Disposal ☐ Stratigraphic ☐ Enhanced Recovery ☐ Storage ☐ Observation

Total Depth MD 13927 TVD\*\* 5858 Plug Back Total Depth MD 13856 TVD\*\* 5861

Elevations GR 4711 KB 4732 Digital Copies of ALL Logs must be Attached ☒

List All Logs Run:

Mud Log, MWD/LWD, CBL (Triple Combo run in API 05-123-38488)

## FLUID VOLUMES USED IN DRILLING OPERATIONS

(Enter "0" if a type of a fluid was not used. Do not leave blank.)

Total Fluids (bbls): Fresh Water (bbls):

Recycled or Reused Fluids That Offset the Use of Fresh Water (bbls):

**CASING, LINER AND CEMENT**

| <u>Casing Type</u> | <u>Size of Hole</u> | <u>Size of Casing</u> | <u>Grade</u> | <u>Wt/Ft</u> | <u>Csg/Liner Top</u> | <u>Setting Depth</u> | <u>Sacks Cmt</u> | <u>Cmt Btm</u> | <u>Cmt Top</u> | <u>Status</u> |
|--------------------|---------------------|-----------------------|--------------|--------------|----------------------|----------------------|------------------|----------------|----------------|---------------|
| CONDUCTOR          | 24                  | 16                    | J-55         | 75           | 0                    | 101                  | 153              | 101            | 0              | VISU          |
| SURF               | 13+1/2              | 9+5/8                 | J-55         | 36           | 0                    | 2079                 | 560              | 2079           | 0              | VISU          |
| 1ST                | 8+1/2               | 5+1/2                 | HCP110       | 20           | 0                    | 13900                | 2355             | 13927          | 580            | CBL           |

Subsurface hazards include, but are not limited to, the following: overpressured zones, underpressured zones, major geologic faults, salt sections, H2S at concentrations greater than or equal to 100 ppm.

Bradenhead Pressure Action Threshold 624 psig

This threshold is calculated per Rule 308A.b.(2)G. If this well is located in a bradenhead test area (see Rule 207.b) per an Order of the Commission, it may be subject to a different threshold.

Does the casing centralization comply with Rule 317.g? Yes

If "NO", provide details below.

**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 |   |
| PIERRE         | 1,411          |        | NO               | NO    |   |
| HYGIENE        | 3,164          |        | NO               | NO    |   |
| SHARON SPRINGS | 5,527          |        | NO               | NO    |   |
| NIOBRARA       | 5,533          |        | NO               | NO    |   |
| FORT HAYS      | 5,808          |        | NO               | NO    |   |
| CODELL         | 5,847          |        | NO               | NO    |   |

Operator Comments:

Well drilled within 100' setback. Form 5A will be submitted documenting that the bottom 116.0' of wellbore will not produce. Geo Dynamics sleeve 1 is at 13811.0'(lowest completed interval), Float Collar is at 13856.4'.

No open hole logs run. Triple Combo log run on Razor 261-2316B, API 05-123-38488. One of the first wells drilled on the pad will be logged with an open-hole resistivity log with gamma-ray from TD to into the surface casing.

Form 4 filed to add Codell to APD, ref doc 402521954 through Order 535-508. Order does not specify Ft Hays. Update to Order 535-314 adding Ft Hays is pending.

TPZ corrected to 2489' FNL, 775' FEL based on top perf at 6232'.

GPS taken off of conductor prior to surface spud

BHL provided by survey company

Left field name as Wildcat per COGCC Permit Tech

Corrected well logs names to their standard industry abbreviations, added API to logs run box.

Verified logs run

Corrected 1st string cement sx count to include 105 sx scavenger

Corrected TOC per engineer interpretation of CBL

Corrected 1st string cement bottom to TD per directional survey

Corrected API and noted variance in cement depth on surface ticket.

Added Eng'r calculated sacks of cement for conductor

Attached .las format of CBL from surface to KOP

Added location and corrected API on MWD MD/TVD.pdf and .las logs.

Added location and corrected API on Directional Data Import.

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

Signed: \_\_\_\_\_

Print Name: Bethany Kerley

Title: Engineering Tech III

Date: \_\_\_\_\_

Email: bethany.kerley@whiting.com

### Attachment Check List

| Att Doc Num                 | Document Name         | attached ? |                                     |    |                                     |
|-----------------------------|-----------------------|------------|-------------------------------------|----|-------------------------------------|
| <u>Attachment Checklist</u> |                       |            |                                     |    |                                     |
| 402517503                   | CMT Summary *         | Yes        | <input checked="" type="checkbox"/> | No | <input type="checkbox"/>            |
|                             | Core Analysis         | Yes        | <input type="checkbox"/>            | No | <input checked="" type="checkbox"/> |
| 402517504                   | Directional Survey ** | Yes        | <input checked="" type="checkbox"/> | No | <input type="checkbox"/>            |
|                             | DST Analysis          | Yes        | <input type="checkbox"/>            | No | <input checked="" type="checkbox"/> |
|                             | Logs                  | Yes        | <input checked="" type="checkbox"/> | No | <input type="checkbox"/>            |
|                             | Other                 | Yes        | <input type="checkbox"/>            | No | <input checked="" type="checkbox"/> |
| <u>Other Attachments</u>    |                       |            |                                     |    |                                     |
| 402517488                   | LAS-MWD/LWD           | Yes        | <input checked="" type="checkbox"/> | No | <input type="checkbox"/>            |
| 402517490                   | PDF-MWD/LWD           | Yes        | <input checked="" type="checkbox"/> | No | <input type="checkbox"/>            |
| 402517491                   | PDF-MWD/LWD           | Yes        | <input checked="" type="checkbox"/> | No | <input type="checkbox"/>            |
| 402517492                   | PDF-CBL 1ST RUN       | Yes        | <input checked="" type="checkbox"/> | No | <input type="checkbox"/>            |
| 402517493                   | LAS-CBL 1ST RUN       | Yes        | <input checked="" type="checkbox"/> | No | <input type="checkbox"/>            |
| 402517500                   | PDF-MUD               | Yes        | <input checked="" type="checkbox"/> | No | <input type="checkbox"/>            |
| 402522057                   | DIRECTIONAL DATA      | Yes        | <input checked="" type="checkbox"/> | No | <input type="checkbox"/>            |

### General Comments

| <u>User Group</u> | <u>Comment</u> | <u>Comment Date</u> |
|-------------------|----------------|---------------------|
|                   |                | Stamp Upon Approval |

Total: 0 comment(s)

