

FORM  
5Rev  
09/14

## 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:

400822008

Date Received:

03/22/2017

## 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 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: 10311

Contact Name: Erin Ekblad

Name of Operator: SYNERGY RESOURCES CORPORATION

Phone: (720) 616.4319

Address: 1675 BROADWAY SUITE 2600

Fax: (720) 616.4301

City: DENVER State: CO Zip: 80202

API Number 05-123-39712-00

County: WELD

Well Name: SRC KIEHN

Well Number: 32-4NHZ

Location: QtrQtr: SWSE Section: 4 Township: 4N Range: 68W Meridian: 6

Footage at surface: Distance: 201 feet Direction: FSL Distance: 1761 feet Direction: FEL

As Drilled Latitude: 40.335808 As Drilled Longitude: -105.005219

## GPS Data:

Date of Measurement: 01/27/2015 PDOP Reading: 1.2 GPS Instrument Operator's Name: Brett Birch

\*\* If directional footage at Top of Prod. Zone Dist.: 863 feet Direction: FSL Dist.: 1774 feet Direction: FEL

Sec: 4 Twp: 4N Rng: 68W

\*\* If directional footage at Bottom Hole Dist.: 470 feet Direction: FNL Dist.: 1812 feet Direction: FEL

Sec: 4 Twp: 4N Rng: 68W

Field Name: WATTENBERG

Field Number: 90750

Federal, Indian or State Lease Number:

Spud Date: (when the 1st bit hit the dirt) 08/07/2014 Date TD: 08/15/2014 Date Casing Set or D&amp;A: 08/17/2014

Rig Release Date: 01/18/2015 Per Rule 308A.b.

## Well Classification:

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

Total Depth MD 11329 TVD\*\* 7063 Plug Back Total Depth MD 11276 TVD\*\* 7064

Elevations GR 5064 KB 5077 Digital Copies of ALL Logs must be Attached per Rule 308A ☒

## List Electric Logs Run:

MWD/LWD, CBL, MUD (Triple Combo 05-123-39719)

## 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 |
|-------------|--------------|----------------|-------|---------------|---------------|-----------|---------|---------|--------|
| SURF        | 13+1/2       | 9+5/8          | 36    | 0             | 560           | 187       | 0       | 560     | VISU   |
| 1ST         | 8+3/4        | 7              | 29    | 0             | 7,529         | 765       | 1,068   | 7,529   | CBL    |
| 1ST LINER   | 6+1/8        | 4+1/2          | 13.5  | 7287          | 11,321        |           |         |         |        |

### 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 |   |
| PARKMAN        | 3,368          |        | NO               | NO    |   |
| SUSSEX         | 3,814          |        | NO               | NO    |   |
| SHANNON        | 4,383          |        | NO               | NO    |   |
| SHARON SPRINGS | 6,843          |        | NO               | NO    |   |
| NIOBRARA       | 6,918          |        | NO               | NO    |   |

#### Operator Comments

The SHL moved from 201 FSL; 1766 FEL to 201 FSL; 1761 FEL. See attached as-drilled plat.

Halliburton post job report had 26#/ft for intermediate string, but actual is 29#/ft.

Please note: The Open Hole was run by Triple Combo on SRC Kiehn 31-4CHZ (API# 05-123-39719).

The KB and depths of 557', 7,509', and 11,327' on the mud log are inaccurate. Synergy verified these numbers through accurate sources.

Each attachment and log run during the drilling and completion of a well is intended to fulfill a specific purpose. At times, vendors that run these logs or jobs put additional data in their report that is not critical or relevant to the technical purpose of their job. This data is not verified with Synergy and at times is not 100% accurate. For example, setting depths for a liner, date casing was set, or TD dates on a mud log may not be accurate. Synergy confirms setting depths through either daily drilling reports or liner reports, confirms date casing was set through daily drilling reports, and confirms TD through either our Pason system or daily drilling reports. Additionally, Synergy confirms liner tops through liner reports and not the CBL. Synergy is not able to request that these vendors not include this information in their report.

This was an open hole where the liner was uncemented and therefore no liner cement job summary and those fields in the casing table have been left blank.

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

Signed: \_\_\_\_\_ Print Name: Erin Ekblad

Title: Manager Regulatory Affair Date: 3/22/2017 Email: eekblad@syrginfo.com

### Attachment Check List

| Att Doc Num                 | Document Name         | attached ?                              |  |
|-----------------------------|-----------------------|---|--|
| <u>Attachment Checklist</u> |                       |   |  |
| 401217370                   | CMT Summary *         | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |
|                             | Core Analysis         | Yes <input type="checkbox"/>            | No <input checked="" type="checkbox"/> |
| 401217363                   | 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>    |                       |   |  |
| 400822008                   | FORM 5 SUBMITTED      | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |
| 401217374                   | LAS-CEMENT BOND       | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |
| 401217380                   | LAS-MUD               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |
| 401217383                   | LAS-MUD               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |
| 401217388                   | PDF-MUD               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |
| 401217389                   | PDF-MUD               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |
| 401217393                   | LAS-MWD/LWD           | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |
| 401217394                   | PDF-MWD/LWD           | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |
| 401217400                   | PDF-MWD/LWD           | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |
| 401232635                   | PDF-CEMENT BOND       | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |
| 401239088                   | DIRECTIONAL DATA      | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |
| 401239128                   | PLAT                  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |

### General Comments

| <u>User Group</u> | <u>Comment</u>   | <u>Comment Date</u> |
|-------------------|--|---------------------|
| Engineering Tech  | • Engineering review complete.                             | 03/30/2017          |
| Permit            | Permitting review complete.                                | 03/28/2017          |
| Permit            | Returned to draft for operator to correct and/or complete. | 10/29/2015          |

Total: 3 comment(s)