

FORM

2

Rev  
12/05

## State of Colorado

## Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



|    |    |    |    |
|----|----|----|----|
| DE | ET | OE | ES |
|----|----|----|----|

## APPLICATION FOR PERMIT TO:

1. ☒ Drill, ☐ Deepen, ☐ Re-enter, ☐ Recomplete and Operate

## 2. TYPE OF WELL

 OIL ☐ GAS ☒ COALBED ☐ OTHER \_\_\_\_\_  
 SINGLE ZONE ☒ MULTIPLE ZONE ☐ COMMINGLE ZONE ☐

 Refiling ☐  
 Sidetrack ☐

Document Number:

400071758

Plugging Bond Surety

20090043

3. Name of Operator: SYNERGY RESOURCES CORPORATION4. COGCC Operator Number: 103115. Address: 20203 HIGHWAY 60City: PLATTEVILLE State: CO Zip: 806516. Contact Name: Rhonda Sandquist Phone: (970)737-1073 Fax: (970)737-1045Email: pm3rsandquist@aol.com7. Well Name: RBF Well Number: 24-15D

8. Unit Name (if appl): \_\_\_\_\_ Unit Number: \_\_\_\_\_

9. Proposed Total Measured Depth: 7658

## WELL LOCATION INFORMATION

10. QtrQtr: SESW Sec: 15 Twp: 6N Rng: 67W Meridian: 6Latitude: 40.482624 Longitude: -104.884153
 Footage at Surface: 1085 FNL/FSL FSL 1357 FEL/FWL FWL
11. Field Name: Wattenberg Field Number: 9075012. Ground Elevation: 4780 13. County: WELD

## 14. GPS Data:

Date of Measurement: 04/16/2010 PDOP Reading: 1.0 Instrument Operator's Name: John C. Barickman15. If well is ☒ Directional ☐ Horizontal (highly deviated) **submit deviated drilling plan.**
 Footage at Top of Prod Zone: FNL/FSL 507 FSL 2108 FWL FWL Bottom Hole: FNL/FSL 507 FSL 2108 FWL FWL  
 Sec: 15 Twp: 6N Rng: 67W Sec: 15 Twp: 6N Rng: 67W
16. Is location in a high density area? (Rule 603b)? ☒ Yes ☐ No17. Distance to the nearest building, public road, above ground utility or railroad: 349 ft18. Distance to nearest property line: 235 ft 19. Distance to nearest well permitted/completed in the same formation: 3364 ft

## 20. LEASE, SPACING AND POOLING INFORMATION

| Objective Formation(s) | Formation Code | Spacing Order Number(s) | Unit Acreage Assigned to Well | Unit Configuration (N/2, SE/4, etc.) |
|------------------------|----------------|-------------------------|-------------------------------|--------------------------------------|
| Niobrara/Codell        | NB-CD          | 407-87                  | 80                            | S/2SW/4                              |

21. Mineral Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian Lease #: \_\_\_\_\_

22. Surface Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian

23. Is the Surface Owner also the Mineral Owner? ☒ Yes ☐ No Surface Surety ID#: \_\_\_\_\_

23a. If 23 is Yes: Is the Surface Owner(s) signature on the lease? ☒ Yes ☐ No

23b. If 23 is No ☐ Surface Owners Agreement Attached or ☐ \$25,000 Blanket Surface Bon ☐ \$2,000 Surface Bond ☐ \$5,000 Surface Bond

24. Using standard QtrQtr, Sec, Twp, Rng format enter entire mineral lease description upon which this proposed wellsite is located (attach separate sheet/map if you prefer):  
 Township 6 North, Range 67 West, 6th PM, Section 15 - See Attached Leases----- N/2SE/4 will be a Farmout Agreement form Noble Energy Inc.

25. Distance to Nearest Mineral Lease Line: 235 ft 26. Total Acres in Lease: 69

### DRILLING PLANS AND PROCEDURES

27. Is H2S anticipated? ☐ Yes ☒ No If Yes, attach contingency plan.

28. Will salt sections be encountered during drilling? ☐ Yes ☒ No

29. Will salt (>15,000 ppm TDS CL) or oil based muds be used during drilling? ☐ Yes ☒ No

30. If questions 27 or 28 are yes, is this location in a sensitive area (Rule 903)? ☐ Yes ☐ No **If 28, 29, or 30 are "Yes" a pit permit may be required.**

31. Mud disposal: ☒ Offsite ☐ Onsite

Method: ☐ Land Farming ☐ Land Spreading ☒ Disposal Facility Other: \_\_\_\_\_

Note: The use of an earthen pit for Recompletion fluids requires a pit permit (Rule 905b). If air/gas drilling, notify local fire officials.

| Casing Type | Size of Hole | Size of Casing | Weight Per Foot | Setting Depth | Sacks Cement | Cement Bottom | Cement Top |
|-------------|--------------|----------------|-----------------|---------------|--------------|---------------|------------|
| SURF        | 12+1/4       | 8+5/8          | 24              | 400           | 300          | 400           | 0          |
| 1ST         | 7+7/8        | 4+1/2          | 11.6            | 7,658         | 300          | 7,658         |            |

32. BOP Equipment Type: ☒ Annular Preventer ☐ Double Ram ☐ Rotating Head ☐ None

33. Comments No conductive surface casing will be used.

34. Location ID: \_\_\_\_\_

35. Is this application in a Comprehensive Drilling Plan ? ☐ Yes ☒ No

36. Is this application part of submitted Oil and Gas Location Assessment ? ☒ Yes ☐ No

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

Signed: \_\_\_\_\_ Print Name: Craig Rasmuson

Title: Mgr. of Land & Field Ops. Date: 7/27/2010 Email: craigrasmuson@comcast.net

Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: \_\_\_\_\_ Director of COGCC Date: \_\_\_\_\_

|                             |   |
|-----------------------------|---|
| <b>API NUMBER</b><br><br>05 | Permit Number: _____ Expiration Date: _____ |
|-----------------------------|---|

**CONDITIONS OF APPROVAL, IF ANY:** \_\_\_\_\_

All representations, stipulations and conditions of approval stated in the Form 2A for this location shall constitute representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated in this Permit-to-Drill.

**Attachment Check List**

| Att Doc Num | Name                   | Doc Description                            |
|-------------|------------------------|--|
| 400080063   | OIL & GAS LEASE        | RBF O & G Lease #1.pdf                     |
| 400080065   | OIL & GAS LEASE        | RBF O & G Lease #2.pdf                     |
| 400080074   | MULTI-WELL PLAN        | Baseline-RBF Multiple Well Pad Plan.pdf    |
| 400080076   | DEVIATED DRILLING PLAN | EnsignSynergyRBF24-15DPlan#27-6-10.pdf     |
| 400080558   | WELL LOCATION PLAT     | Baseline-RBF 24-15D Well Location Plat.pdf |
| 400080559   | ACCESS ROAD MAP        | Baseline-RBF 24-15D Access Road Map.pdf    |

Total Attach: 6 Files