

FORM  
2

Rev  
12/05

# 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:

400345667

Date Received:

11/12/2012

PluggingBond SuretyID

20090043

## APPLICATION FOR PERMIT TO:

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

### 2. TYPE OF WELL

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

Refiling

Sidetrack

3. Name of Operator: SYNERGY RESOURCES CORPORATION

4. COGCC Operator Number: 10311

5. Address: 20203 HIGHWAY 60

City: PLATTEVILLE State: CO Zip: 80651

6. Contact Name: Brianne Visconti Phone: (970)737-1073 Fax: (970)737-1045

Email: bvisconti@syrinfo.com

7. Well Name: SRC Pratt Well Number: 2KD

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

9. Proposed Total Measured Depth: 8050

## WELL LOCATION INFORMATION

10. QtrQtr: NESW Sec: 2 Twp: 4N Rng: 68W Meridian: 6

Latitude: 40.339850 Longitude: -104.975377

Footage at Surface: 1574 feet FSL 1235 feet FWL

11. Field Name: wATTENBERG Field Number: 90750

12. Ground Elevation: 5004 13. County: WELD

### 14. GPS Data:

Date of Measurement: 11/12/2012 PDOP Reading: 1.3 Instrument Operator's Name: Aaron Demo

15. If well is  Directional  Horizontal (highly deviated) **submit deviated drilling plan.**

Footage at Top of Prod Zone: FNL/FSL \_\_\_\_\_ FEL/FWL \_\_\_\_\_ Bottom Hole: FNL/FSL \_\_\_\_\_ FEL/FWL \_\_\_\_\_  
2571 FSL 1264 FWL 2571 FSL 1264 FWL  
Sec: 2 Twp: 4N Rng: 68W Sec: 2 Twp: 4N Rng: 68W

16. Is location in a high density area? (Rule 603b)?  Yes  No

17. Distance to the nearest building, public road, above ground utility or railroad: 1164 ft

18. Distance to nearest property line: 530 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 920 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.) |
|------------------------|----------------|-------------------------|-------------------------------|--------------------------------------|
| Dakota                 | DKTA           | 499-15                  | 320                           | W/2                                  |
| JSand                  | JSND           | 232-23                  | 320                           | W/2                                  |
| Niobrara               | NBRR           |                         | 160                           | GWA                                  |

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 Bond  \$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):

SW/4 of Section 2 T4N R68W

25. Distance to Nearest Mineral Lease Line: 1067 ft 26. Total Acres in Lease: 149

### 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 28 or 29 are yes, is this location in a sensitive area (Rule 901.e)?  Yes  No

31. Mud disposal:  Offsite  Onsite

If 28, 29, or 30 are "Yes" a pit permit may be required.

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 | Wt/Ft | Csg/Liner Top | Setting Depth | Sacks Cmt | Cmt Btm | Cmt Top |
|-------------|--------------|----------------|-------|---------------|---------------|-----------|---------|---------|
| SURF        | 12+1/4       | 8+5/8          | 24    | 0             | 550           | 350       | 550     |         |
| 1ST         | 7+7/8        | 4+1/2          | 11.6  | 0             | 8,050         | 410       | 8,050   |         |

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

33. Comments No conductive surface casing will be used. Proposed Spacing Unit: S/2NW/4 & N/2SW/4 Section 2.

34. Location ID: 422304

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: Brianne Visconti

Title: Administrator Date: 11/12/2012 Email: bvisconti@syrginfo.com

Operator must have a valid water right or permit allowing for industrial use or purchased water from a seller that has a valid water right or permit allowing for industrial use, otherwise an application for a change in type of use is required under Colorado law. Operator must also use the water in the location set forth in the water right decree or well permit, otherwise an application for a change in place of use is required under Colorado law. Section 37-92-103(5), C.R.S. (2011).

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: Matthew Lee Director of COGCC Date: 12/4/2012

API NUMBER

05 123 36387 00

Permit Number: \_\_\_\_\_ Expiration Date: 12/3/2014

**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.

- 1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU.
- 2) Comply with Rule 317.i and provide cement coverage from TD to a minimum of 200' above Niobrara. Verify coverage with cement bond log.
- 3) Comply with Rule 321. Run and submit Directional Survey from TD to base of surface casing. Ensure that the wellbore complies with setback requirements in commission orders or rules prior to producing the well.

**Applicable Policies and Notices to Operators**

Notice Concerning Operating Requirements for Wildlife Protection.

**Attachment Check List**

| Att Doc Num | Name                   |
|-------------|------------------------|
| 1695268     | OIL & GAS LEASE        |
| 1695269     | PROPOSED SPACING UNIT  |
| 1695270     | DEVIATED DRILLING PLAN |
| 1695271     | 30 DAY NOTICE LETTER   |
| 1695273     | PROPOSED SPACING UNIT  |
| 400345667   | FORM 2 SUBMITTED       |
| 400345696   | WELL LOCATION PLAT     |
| 400346274   | DIRECTIONAL DATA       |

Total Attach: 8 Files

**General Comments**

| <u>User Group</u> | <u>Comment</u>   | <u>Comment Date</u>      |
|-------------------|--|--------------------------|
| Permit            | Final Review Completed. No LGD or public comment received.   | 12/4/2012<br>2:15:56 PM  |
| Permit            | received and attached 30 day cert. Added Disposal Facility, Location ID # 422304 and Proposed Spacing Unit: S/2NW/4 & N/2SW/4 Section 2 to comments. Changed distance to nearest well from 4330' to 920' per operator. ok to pass. | 11/15/2012<br>9:09:33 AM |
| Permit            | Received and attached the Deviated drilling plan, Directional Drilling Template, Proposed spacing unit map.<br>ON HOLD: w/o 30 Day Certification letter.   | 11/13/2012<br>4:06:54 PM |
| Permit            | ON HOLD: Requesting Deviated drilling plan, Directional Drilling Template, Proposed spacing unit map & 30 Day Certification letter.  | 11/13/2012<br>9:02:13 AM |
| Permit            | Operator asked for rush. This document passed completeness.  | 11/13/2012<br>8:07:41 AM |

Total: 5 comment(s)

**BMP**

| <u>Type</u> | <u>Comment</u> |
|-------------|----------------|
|             |                |

Total: 0 comment(s)