

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@syrginfo.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@syrinfo.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 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 9:09:33 AM
Permit	Received and attached the Deviated drilling plan, Directional Drilling Template, Proposed spacing unit map. ON HOLD: w/o 30 Day Certification letter.	11/13/2012 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 9:02:13 AM
Permit	Operator asked for rush. This document passed completeness.	11/13/2012 8:07:41 AM

Total: 5 comment(s)

BMP

<u>Type</u>	<u>Comment</u>

Total: 0 comment(s)