

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



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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:

400039643

Plugging Bond Surety

20090043

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: Ed Holloway Phone: (970)737-1073 Fax: (970)737-1045

Email: pm3rsandquist@aol.com

7. Well Name: SRC Northridge Well Number: 4AD

8. Unit Name (if appl): _____ Unit Number: _____

9. Proposed Total Measured Depth: 7965

WELL LOCATION INFORMATION

10. QtrQtr: SWNE Sec: 4 Twp: 5N Rng: 66W Meridian: 6

Latitude: 40.431429 Longitude: -104.783483

Footage at Surface: 2168 FNL/FSL FNL 2660 FEL/FWL FEL

11. Field Name: Wattenberg Field Number: 90750

12. Ground Elevation: 4740 13. County: WELD

14. GPS Data:

Date of Measurement: 12/14/2009 PDOP Reading: 1.1 Instrument Operator's Name: John C. Barickman

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

Footage at Top of Prod Zone: FNL/FSL 1506 FNL 1435 FWL 1506 FNL 1435 FWL
Sec: 4 Twp: 5N Rng: 66W Sec: 4 Twp: 5N Rng: 66W

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: 390 ft

18. Distance to nearest property line: 151 ft 19. Distance to nearest well permitted/completed in the same formation: 2126 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.)
J Sand	JSND		160	NW/4
Niobrara/Codell	NB-CD	407-87	160	NW/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):
NW/4 Sec. 4, T5N, R66W

25. Distance to Nearest Mineral Lease Line: 1225 ft 26. Total Acres in Lease: 160

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	660	350	660	0
1ST	7+7/8	4+1/2	11.6	7,965	410	7,965	200

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

33. Comments No Conductive Surface Casing Will Be Used. Location is outside the drilling window; exception granted. well is in a high density area. Waivers obtained for WHOA period.

34. Location ID: 333286

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. Land & Field Ops. Date: 2/16/2010 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: David S. Neslin Director of COGCC Date: 3/23/2010

API NUMBER

05 123 29596 00

Permit Number: _____ Expiration Date: 3/22/2011

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.

Location is outside the drilling window; excption granted; Well is in high density area

1) Provide 24 hour notice of MIRU to Bo Brown at 970-330-6085 or e-mail at bo.brown@state.co.us. 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.

Attachment Check List

Att Doc Num	Name	Doc Description
1760498	WELL LOCATION PLAT	LF@2432220 1760498
1760611	WAIVERS	LF@2439429 1760611
1760612	WAIVERS	LF@2439454 1760612
400040889	MULTI-WELL PLAN	LF@2426994 400040889
400040890	WELL LOCATION PLAT	LF@2426995 400040890
400040891	EXCEPTION LOC REQUEST	LF@2429886 400040891
400040892	EXCEPTION LOC WAIVERS	LF@2426996 400040892
400040893	SURFACE OWNER CONSENT	LF@2426997 400040893
400040895	SURFACE AGRMT/SURETY	LF@2426998 400040895
400040910	DRILLING PLAN	LF@2426999 400040910
400040918	FORM 2 SUBMITTED	LF@2429887 400040918

Total Attach: 11 Files