

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:

400071762

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: Rhonda Sandquist Phone: (970)737-1073 Fax: (970)737-1045
Email: pm3rsandquist@aol.com

7. Well Name: RBF Well Number: 13-15D

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

9. Proposed Total Measured Depth: 7676

WELL LOCATION INFORMATION

10. QtrQtr: SESW Sec: 15 Twp: 6N Rng: 67W Meridian: 6

Latitude: 40.482843 Longitude: -104.884155

Footage at Surface: 1165 FNL/FSL FSL 1356 FEL/FWL FWL

11. Field Name: Wattenberg Field Number: 90750

12. Ground Elevation: 4781 13. County: WELD

14. GPS Data:

Date of Measurement: 04/16/2010 PDOP Reading: 1.0 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 1980 FSL 652 FWL FWL Bottom Hole: FNL/FSL 1980 FSL 652 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 ☐ No

17. Distance to the nearest building, public road, above ground utility or railroad: 301

18. Distance to nearest property line: 155 19. Distance to nearest well permitted/completed in the same formation: 920

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	N/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 P.M. Section 15 - N/2SE/4 will be a farmout agreement from Noble Energy Inc as per attached.

25. Distance to Nearest Mineral Lease Line: 652 26. Total Acres in Lease: 80

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	7,676	300	7,676	

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

33. Comments No Conductive Surface Casing Will Be Used

34. Location ID: 418750

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: 7/20/2010 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. Nashin Director of COGCC Date: 10/5/2010

API NUMBER

05 123 32323 00

Permit Number: _____ Expiration Date: 10/4/2012

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) Provide 24 hour notice of MIRU to Ed Binkley at 970-506-9834 or e-mail at ed.binkley@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) Run and submit Directional Survey from TD to base of surface casing. The operator shall comply with Rule 321, and it shall be the operator's responsibility to ensure that the wellbore complies with setback requirements in commission orders or rules prior to producing the well.

**ADDITIONAL CONDITIONS OF APPROVAL
FORM 2/2A APPLICATIONS FOR PERMIT TO DRILL
and OIL & GAS LOCATION ASSESSMENTS**

SESW Section 15, T6N, R67W

FOR

RBF 13-15D, RBF 23-15D

And, retroactively for RBF 15B, RBF 14-15D, RBF 24-15D, RBF 11-22D and Location RBF 15B

•Review Town of Windsor requirements for access from public roads. Provide the following:

- oTraffic control plan, if necessary;
- oVehicle tracking controls;
- oAdditional signage, as required;
- oSingle point of access, (emergency egress may be provided);
- oTraffic associated with drilling, completion, and production activities shall be limited to 5 mph under the posted speed limit on Sundance Drive and other "neighborhood streets" within Peakview Estates;
- oNo unnecessary access to "neighborhood streets" within Peakview Estates by traffic associated with drilling and completion activities is permitted.

•Provide temporary engineering controls to prevent uncontrolled public access during drilling and completion activities.

•Provide temporary engineering controls to mitigate nuisance noise to residences to the north.

•Provide Emergency Response Plan.

•Provide onsite Health and Safety Officer during drilling and completion activities.

•Provide notice to COGCC 48-hours prior to commencement of construction activities.

•Provide notice to COGCC 24-hours prior to drill rig mobilization to location.

•Interim reclamation to begin immediately after completion activities.

•Provide notice and community awareness to neighborhood and meet with the neighborhood regarding schedule and activities. Post schedule changes at a location convenient to residents.

•Obtain Use by Special Review from Town of Windsor.

Attachment Check List

Att Doc Num	Name	Doc Description
1770492	SURFACE CASING CHECK	LF@2546067 1770492
2621985	LEGAL/LEASE DESCRIPTION	LF@2597999 2621985
400071762	FORM 2 SUBMITTED	LF@2511259 400071762
400078247	ACCESS ROAD MAP	LF@2511260 400078247
400078248	WELL LOCATION PLAT	LF@2511261 400078248
400078263	MULTI-WELL PLAN	LF@2511264 400078263
400078267	DEVIATED DRILLING PLAN	LF@2511265 400078267

Total Attach: 7 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Added COAs resulting from Town of Windsor requirements. Per Greg Deranleau, Synergy Resources Corporation concurs with the Conditions of Approval. PVG	10/5/2010 4:57:48 PM
Permit	Per Rhonda Sandquist, Surface Owner participates in the N2SW4 as a working interest owner. Attached farmout agreement. PVG	10/5/2010 4:52:38 PM
Permit	Surface owner is the mineral owner in the S2SW4. Requested clarification of whether the Surface owner at the wells surface location is also a mineral owner in the unit of the productive interval. PVG 8-18-10	8/18/2010 7:42:11 AM
Permit	Placed application on Hold. The two leases provided only cover the S2SW but the productive interval lies with the unit N2SW. The two leases also have meets and bounds descriptions, requested lease legal description covering lands within the spacing unit and/or Lease map if the description by meets and bounds. PVG 8-18-10	8/18/2010 7:17:45 AM

Total: 4 comment(s)

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