

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:  
400060649  
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: SRC Pratt Well Number: 29TD

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

9. Proposed Total Measured Depth: 8562

WELL LOCATION INFORMATION

10. QtrQtr: SESE Sec: 29 Twp: 1N Rng: 68W Meridian: 6  
Latitude: 40.017331 Longitude: -105.022051

Footage at Surface: 944 FNL/FSL FSL 1094 FEL/FWL FEL

11. Field Name: Wattenberg Field Number: 90750

12. Ground Elevation: 5179 13. County: WELD

14. GPS Data:

Date of Measurement: 03/04/2010 PDOP Reading: 2.3 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 \_\_\_\_\_ FEL/FWL \_\_\_\_\_ Bottom Hole: FNL/FSL \_\_\_\_\_ FEL/FWL \_\_\_\_\_  
50 FSL 1311 FEL 50 FSL 1311 FEL  
Sec: 29 Twp: 1N Rng: 68W Sec: 29 Twp: 1N 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: 1056 ft

18. Distance to nearest property line: 944 19. Distance to nearest well permitted/completed in the same formation: 950 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	232-23	320	GWA
Niobrara/Codell	NB-CD	407-87	80	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 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):  
S/2 & NE/4 Section 29, T1N, R68W

25. Distance to Nearest Mineral Lease Line: 50 ft 26. Total Acres in Lease: 480

**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	900	430	900	0
1ST	7+7/8	4+1/2	11.6	8,562	550	8,562	200

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

33. Comments No Conductive Surface Casing Will Be Used. SUA attached to the form 2A. Proposed spacing unit for Jsand and Niob- Codells S/2SE4 SEC 29; N/2NE4 SEC32

34. Location ID: 319203

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: 5/27/2010 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: David S. Neslin Director of COGCC Date: 6/28/2010

<b>API NUMBER</b>
05 123 31821 00

Permit Number: \_\_\_\_\_ Expiration Date: 6/27/2012

**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 Jim Precup at 303-469-1902 or e-mail at james.precup@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
400060649	FORM 2 SUBMITTED	LF@2483801 400060649
400065365	ACCESS ROAD MAP	LF@2483802 400065365
400065376	SURFACE OWNER CONSENT	LF@2483803 400065376
400065378	MULTI-WELL PLAN	LF@2483804 400065378
400065380	OIL & GAS LEASE	LF@2483805 400065380
400065389	WELL LOCATION PLAT	LF@2483806 400065389
400065390	DEVIATED DRILLING PLAN	LF@2483807 400065390
400065392	PROPOSED SPACING UNIT	LF@2483808 400065392
400065393	PROPOSED SPACING UNIT	LF@2483809 400065393
400065403	OTHER	LF@2483810 400065403

Total Attach: 10 Files