

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:  
400031107  
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 State Well Number: 16KD

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

9. Proposed Total Measured Depth: 7512

WELL LOCATION INFORMATION

10. QtrQtr: NESW Sec: 16 Twp: 4N Rng: 67W Meridian: 6  
Latitude: 40.309514 Longitude: -104.900308

Footage at Surface: 1436 FNL/FSL FSL 1518 FEL/FWL FWL

11. Field Name: Wattenberg Field Number: 90750

12. Ground Elevation: 4897 13. County: WELD

14. GPS Data:

Date of Measurement: 01/04/2010 PDOP Reading: 1.4 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 \_\_\_\_\_  
2562 FSL 1362 FWL 2562 FSL 1362 FWL  
Sec: 16 Twp: 4N Rng: 67W Sec: 16 Twp: 4N 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: 1330 ft

18. Distance to nearest property line: 81 ft 19. Distance to nearest well permitted/completed in the same formation: 707 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.)
Niobrara/Codell	NB/CD	407-87	160	N/2SW/416&S/2NW/416

21. Mineral Ownership:  Fee  State  Federal  Indian Lease #: 88/5056-S

22. Surface Ownership:  Fee  State  Federal  Indian

23. Is the Surface Owner also the Mineral Owner?  Yes  No Surface Surety ID#: 20090044

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, Sec. 16, 4N, 67W

25. Distance to Nearest Mineral Lease Line: 1436 ft 26. Total Acres in Lease: 320

**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	580	300	580	0
1ST	7+7/8	4+1/2	11.3	7,512	490	7,512	200

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

33. Comments No Conductive Surface Casing Will Be Used

34. Location ID: 332784

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: 2/3/2010 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: \_\_\_\_\_ Director of COGCC Date: \_\_\_\_\_

Permit Number: \_\_\_\_\_ Expiration Date: \_\_\_\_\_

**API NUMBER**  
05

**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.

### Attachment Check List

Att Doc Num	Name	Doc Description
400032134	MULTI-WELL PLAN	Baseline Multiple Well Pad Plan-SRC State Wells.pdf
400032135	WELL LOCATION PLAT	Baseline Survey SRC State 16KD.pdf
400032138	DRILLING PLAN	Ensign Directional-SynergySRCState16KDPlan#11-11-10.pdf
400032139	WAIVERS	Surface Property Line Waiver-SRC State 16KD.pdf
400032140	SURFACE AGRMT/SURETY	Surface Use Agreement SRC State Wells-Grays Inc..pdf
400035536	SURFACE OWNER CONSENT	Surface Owner Notification-Consultation Waiver.pdf
400035537	EXCEPTION LOC WAIVERS	Request For Exception-Rule 318A-Landowner.pdf
400035538	OTHER	SRC State 16KD-318Ae 20 day Certification Letter.pdf
400035556	PROPOSED SPACING UNIT	SRC State 16KD-.Proposed 160 Acre Spacing Unit Map.pdf
400035570	PROPOSED SPACING UNIT	SRC State 16KD-318A Proposed Spacing Unit Plan.pdf
400038720	FORM 2 SUBMITTED	400038720.pdf

Total Attach: 11 Files