

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		DE ET OE ES	
APPLICATION FOR PERMIT TO:			Document Number: 400131864 Plugging Bond Surety 20090043	
1. <input checked="" type="checkbox"/> Drill, <input type="checkbox"/> Deepen, <input type="checkbox"/> Re-enter, <input type="checkbox"/> Recomplete and Operate				
2. TYPE OF WELL OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> COALBED <input type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> COMMINGLE ZONE <input type="checkbox"/>			Refiling <input type="checkbox"/> Sidetrack <input type="checkbox"/>	
3. Name of Operator: <u>SYNERGY RESOURCES CORPORATION</u> 4. COGCC Operator Number: <u>10311</u>				
5. Address: <u>20203 HIGHWAY 60</u> City: <u>PLATTEVILLE</u> State: <u>CO</u> Zip: <u>80651</u>				
6. Contact Name: <u>Rhonda Sandquist</u> Phone: <u>(970)737-1073</u> Fax: <u>(970)737-1045</u> Email: <u>rsandquist@syrinfo.com</u>				
7. Well Name: <u>SRC Haythorn</u> Well Number: <u>32-36D</u>				
8. Unit Name (if appl): _____ Unit Number: _____				
9. Proposed Total Measured Depth: <u>7740</u>				
WELL LOCATION INFORMATION				
10. QtrQtr: <u>NENE</u> Sec: <u>36</u> Twp: <u>7N</u> Rng: <u>66W</u> Meridian: <u>6</u> Latitude: <u>40.536900</u> Longitude: <u>-104.720283</u>				
Footage at Surface: <u>816</u> feet <u>FNL</u> <u>1231</u> feet <u>FEL</u> <small style="margin-left: 100px;">FNL/FSL</small> <small style="margin-left: 100px;">FEL/FWL</small>				
11. Field Name: <u>Eaton</u> Field Number: <u>19350</u>				
12. Ground Elevation: <u>4853</u> 13. County: <u>WELD</u>				
14. GPS Data: Date of Measurement: <u>01/11/2011</u> PDOP Reading: <u>4.0</u> Instrument Operator's Name: <u>Mark Hall</u>				
15. If well is <input checked="" type="checkbox"/> Directional <input type="checkbox"/> Horizontal (highly deviated) submit deviated drilling plan. Footage at Top of Prod Zone: FNL/FSL FEL/FWL Bottom Hole: FNL/FSL FEL/FWL <u>2143</u> <u>FNL</u> <u>2255</u> <u>FEL</u> <u>2143</u> <u>FNL</u> <u>2255</u> <u>FEL</u> Sec: <u>36</u> Twp: <u>7N</u> Rng: <u>66W</u> Sec: <u>36</u> Twp: <u>7N</u> Rng: <u>66W</u>				
16. Is location in a high density area? (Rule 603b)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
17. Distance to the nearest building, public road, above ground utility or railroad: <u>816 ft</u>				
18. Distance to nearest property line: <u>816 ft</u> 19. Distance to nearest well permitted/completed in the same formation: <u>1100 ft</u>				
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	un-spaced	160	NE/4

IMPORTANT: SOME DATA FIELDS HAVE BEEN MODIFIED.

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):

25. Distance to Nearest Mineral Lease Line: 474 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 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	500	320	500	0
1ST	7+7/8	4+1/2	11.6	0	7,740	490	7,740	200

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

33. Comments No conductive surface casing will be used.

34. Location ID: _____

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: 6/8/2011 Email: casmuson@syrinfo.com

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: 6/30/2011

API NUMBER 05 123 33827 00	Permit Number: _____ Expiration Date: <u>6/29/2013</u>
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CONDITIONS OF APPROVAL, IF ANY: _____

IMPORTANT: SOME DATA FIELDS HAVE BEEN MODIFIED.

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 Bo Brown at e-mail 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
400131864	FORM 2 SUBMITTED
400131891	WELL LOCATION PLAT
400131899	WAIVERS
400131908	OIL & GAS LEASE
400131910	MULTI-WELL PLAN
400131912	30 DAY NOTICE LETTER
400131913	EXCEPTION LOC REQUEST
400134928	DEVIATED DRILLING PLAN

Total Attach: 8 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Agency	Operator attached letter requesting 318A exception location. Waiver from surface owner is also attached.	6/30/2011 12:24:04 PM
Permit	Back to draft for plugging bond and removal of attachments that are on the 2A. sf	6/9/2011 9:11:27 AM

Total: 2 comment(s)

BMP

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

Total: 0 comment(s)