


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		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">DE</td> <td style="width: 25%;">ET</td> <td style="width: 25%;">OE</td> <td style="width: 25%;">ES</td> </tr> </table>	DE	ET	OE	ES
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APPLICATION FOR PERMIT TO:			Document Number: <div style="text-align: center;">400132277</div> Plugging Bond Surety <div style="text-align: center;">20090043</div>				
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 Pratt</u> Well Number: <u>13-2D</u>							
8. Unit Name (if appl): _____ Unit Number: _____							
9. Proposed Total Measured Depth: <u>8140</u>							
WELL LOCATION INFORMATION							
10. QtrQtr: <u>NESW</u> Sec: <u>2</u> Twp: <u>4N</u> Rng: <u>68W</u> Meridian: <u>6</u> Latitude: <u>40.339849</u> Longitude: <u>-104.975234</u>							
Footage at Surface: <u>1573</u> feet FNL/FSL <u>FSL</u> <u>1275</u> feet FEL/FWL <u>FWL</u>							
11. Field Name: <u>Wattenberg</u> Field Number: <u>90750</u>							
12. Ground Elevation: <u>5004</u> 13. County: <u>WELD</u>							
14. GPS Data: Date of Measurement: <u>01/06/2011</u> PDOP Reading: <u>2.3</u> Instrument Operator's Name: <u>Mark A. 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 <div style="display: flex; justify-content: space-around;"> <div> <u>2165</u> <u>FSL</u> <u>460</u> <u>FWL</u> </div> <div> <u>2165</u> <u>FSL</u> <u>460</u> <u>FWL</u> </div> </div> Sec: <u>2</u> Twp: <u>4N</u> Rng: <u>68W</u> Sec: <u>2</u> Twp: <u>4N</u> Rng: <u>68W</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>1159 ft</u>							
18. Distance to nearest property line: <u>531 ft</u> 19. Distance to nearest well permitted/completed in the same formation: <u>1000 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.)			
J Sand	JSND	232-23	320	W2			
Niobrara/Codell	NB-CD	407-87	80	W2SW4			

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 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):
SW/4 of Section 2, T4N, R68W

25. Distance to Nearest Mineral Lease Line: _____ 460 ft 26. Total Acres in Lease: _____ 149

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

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.

If 28, 29, or 30 are "Yes" a pit permit may be required.

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	550	350	550	0
1ST	7+7/8	4+1/2	11.6	0	8,140	410	8,140	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: 2/23/2011 Email: crasmuson@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: 3/25/2011

API NUMBER

05 123 33222 00

Permit Number: _____ Expiration Date: 3/24/2013

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 Bo Brown at 970-397-4124 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
400132277	FORM 2 SUBMITTED
400132399	ACCESS ROAD MAP
400132404	WELL LOCATION PLAT
400132410	OIL & GAS LEASE
400132414	NRCS MAP UNIT DESC
400132415	NRCS MAP UNIT DESC
400132416	SURFACE OWNER CONSENT
400132418	MULTI-WELL PLAN
400134177	DRILLING PLAN

Total Attach: 9 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	---HOLD OFF-Operator declaring W2, will be submitting APD's for NW4. Also asked for NB-CD to be added. per CR.	3/10/2011 11:00:15 AM
Permit	---====Changed nearest well to pending pratt 2b. This interpretation/accuracy may be subject to change.	3/9/2011 3:56:46 PM
Permit	-----Within 800' window, closer than 50' from pending wells to east	3/9/2011 3:56:45 PM
Permit	--====ON HOLD-318A.a.(4)A --Operator Wants smaller than 320 for J-SAND— Reviewed	3/9/2011 3:56:44 PM

Total: 4 comment(s)

BMP

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

Total: 0 comment(s)