


<b>FORM</b> <b>2</b> Rev 12/05	<b>State of Colorado</b> <b>Oil and Gas Conservation Commission</b> 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
DE	ET	OE	ES				
<b>APPLICATION FOR PERMIT TO:</b>			Document Number: <div style="text-align: center;">400159721</div> Plugging Bond Surety <div style="text-align: center;">20030009</div>				
1. <input checked="" type="checkbox"/> <b>Drill,</b> <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 type="checkbox"/> COALBED <input type="checkbox"/> OTHER <u>Injection</u> 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>NOBLE ENERGY INC</u>		4. COGCC Operator Number: <u>100322</u>					
5. Address: <u>1625 BROADWAY STE 2200</u> City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80202</u>							
6. Contact Name: <u>Cheryl Johnson</u> Phone: <u>(303)228-4437</u> Fax: <u>(303)228-4286</u> Email: <u>cheryljohnson@nobleenergyinc.com</u>							
7. Well Name: <u>Chapman</u>		Well Number: <u>SWD #1</u>					
8. Unit Name (if appl): _____		Unit Number: _____					
9. Proposed Total Measured Depth: <u>4200</u>							
<b>WELL LOCATION INFORMATION</b>							
10. QtrQtr: <u>SWNW</u> Sec: <u>33</u> Twp: <u>1S</u> Rng: <u>44W</u> Meridian: <u>6</u> Latitude: <u>39.929390</u> Longitude: <u>-102.314450</u>							
Footage at Surface: <u>1600</u> feet      FNL/FSL <u>FNL</u> <u>650</u> feet      FEL/FWL <u>FWL</u>							
11. Field Name: <u>Vernon</u>		Field Number: <u>86500</u>					
12. Ground Elevation: <u>3868</u>		13. County: <u>YUMA</u>					
14. GPS Data: Date of Measurement: <u>01/27/2011</u> PDOP Reading: <u>1.3</u> Instrument Operator's Name: <u>Michael Dilka</u>							
15. If well is <input type="checkbox"/> Directional <input type="checkbox"/> Horizontal (highly deviated) <b>submit deviated drilling plan.</b> Footage at Top of Prod Zone:      FNL/FSL      FEL/FWL      Bottom Hole:      FNL/FSL      FEL/FWL <div style="text-align: center;">           _____            Sec: _____      Twp: _____      Rng: _____      Sec: _____      Twp: _____      Rng: _____         </div>							
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>1574 ft</u>							
18. Distance to nearest property line: <u>650 ft</u> 19. Distance to nearest well permitted/completed in the same formation: <u>5 mi</u>							
<b>20. LEASE, SPACING AND POOLING INFORMATION</b>							
Objective Formation(s)	Formation Code	Spacing Order Number(s)	Unit Acreage Assigned to Well	Unit Configuration (N/2, SE/4, etc.)			
Lyons	LYNS						

**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):  
T1S R44W: SWNW of Section 33

25. Distance to Nearest Mineral Lease Line: \_\_\_\_\_ 650 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 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	9+5/8	36	0	350	200	350	0
1ST	8+3/4	7	23	0	4,200	800	4,200	0

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

33. Comments Proposed well will be an injection well. Produced Water Disposal Agreement is attached in lieu of SUA and 30 day letter. Injection wells within 5 mile radius are not going to the same formation as proposed for this well. Rule 318B is not applicable since this well is for injection not production. Cause 315-5 thru 12 were also reviewed but were not applicable due to formation and well type.

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: Cheryl Johnson

Title: Regulatory Analyst II Date: 5/12/2011 Email: cheryljohnson@nobleenergyinc

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: 6/7/2011

**API NUMBER**

05 125 11979 00

Permit Number: \_\_\_\_\_ Expiration Date: 6/6/2013

**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 hr notice of spud to Craig Quint at 719-767-8939 or e-mail at craig.quint@state.co.us.
- 2) Set surface casing at least 50' into Pierre Shale for aquifer coverage, (350' minimum - as proposed). Setting surface casing less than the approved depth is a permit violation unless prior written approval is obtained from the COGCC.
- 3) Provide cement coverage from TD to a minimum of 200' above Niobrara. Verify coverage with cement bond log.
- 4) Approval of this permit does not authorize injection. Approval of COGCC Forms 31 and 33 required prior to injection.

### **Attachment Check List**

Att Doc Num	Name
2566859	SURFACE CASING CHECK
400159721	FORM 2 SUBMITTED
400161723	PLAT
400161725	SURFACE AGRMT/SURETY

Total Attach: 4 Files

### **General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	SUA is Produced Water Disposal Agreement.	6/6/2011 7:36:14 AM
Permit	Please review the APD (400159721) and if acceptable change the objective formation from Cedar Hill to Lyons. Call or e-mail me if you have any questions. Thanks, Cheryl Johnson Regulatory Analyst II	6/2/2011 2:39:32 PM

Total: 2 comment(s)

### **BMP**

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

Total: 0 comment(s)