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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|----|----|
| <b>FORM</b><br><b>2</b><br>Rev<br>12/05                                                                                                                                                                                                                                                                                      | <b>State of Colorado</b><br><b>Oil and Gas Conservation Commission</b><br>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:<br><div style="text-align: center;">400115636</div> Plugging Bond Surety<br><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<br>OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> COALBED <input type="checkbox"/> OTHER _____<br>SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> COMMINGLE ZONE <input type="checkbox"/>                                                       |                                                                                                                                                                            | Refiling <input type="checkbox"/><br>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><br>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><br>Email: <u>cheryljohnson@nobleenergyinc.com</u>                                                                                                                                                                               |                                                                                                                                                                            |                                                                                     |                                                                                                                                                                                                                        |    |    |    |    |
| 7. Well Name: <u>Jar Partnership</u>                                                                                                                                                                                                                                                                                         |                                                                                                                                                                            | Well Number: <u>14-34</u>                                                           |                                                                                                                                                                                                                        |    |    |    |    |
| 8. Unit Name (if appl): _____                                                                                                                                                                                                                                                                                                |                                                                                                                                                                            | Unit Number: _____                                                                  |                                                                                                                                                                                                                        |    |    |    |    |
| 9. Proposed Total Measured Depth: <u>2800</u>                                                                                                                                                                                                                                                                                |                                                                                                                                                                            |                                                                                     |                                                                                                                                                                                                                        |    |    |    |    |
| <b>WELL LOCATION INFORMATION</b>                                                                                                                                                                                                                                                                                             |                                                                                                                                                                            |                                                                                     |                                                                                                                                                                                                                        |    |    |    |    |
| 10. QtrQtr: <u>SWSW</u> Sec: <u>34</u> Twp: <u>2N</u> Rng: <u>46W</u> Meridian: <u>6</u><br>Latitude: <u>40.093000</u> Longitude: <u>-102.508050</u>                                                                                                                                                                         |                                                                                                                                                                            |                                                                                     |                                                                                                                                                                                                                        |    |    |    |    |
| Footage at Surface: <u>978</u> feet    FNL/FSL <u>846</u> feet    FEL/FWL <u>FWL</u>                                                                                                                                                                                                                                         |                                                                                                                                                                            |                                                                                     |                                                                                                                                                                                                                        |    |    |    |    |
| 11. Field Name: <u>Schramm</u>                                                                                                                                                                                                                                                                                               |                                                                                                                                                                            | Field Number: <u>76825</u>                                                          |                                                                                                                                                                                                                        |    |    |    |    |
| 12. Ground Elevation: <u>3939</u>                                                                                                                                                                                                                                                                                            |                                                                                                                                                                            | 13. County: <u>YUMA</u>                                                             |                                                                                                                                                                                                                        |    |    |    |    |
| 14. GPS Data:<br>Date of Measurement: <u>01/04/2011</u> PDOP Reading: <u>1.6</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><br>Footage at Top of Prod Zone: FNL/FSL _____ FEL/FWL _____ Bottom Hole: FNL/FSL _____ FEL/FWL _____<br>Sec: _____ Twp: _____ Rng: _____    Sec: _____ Twp: _____ Rng: _____ |                                                                                                                                                                            |                                                                                     |                                                                                                                                                                                                                        |    |    |    |    |
| 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>1018 ft</u>                                                                                                                                                                                                                          |                                                                                                                                                                            |                                                                                     |                                                                                                                                                                                                                        |    |    |    |    |
| 18. Distance to nearest property line: <u>846 ft</u> 19. Distance to nearest well permitted/completed in the same formation: <u>850 ft</u>                                                                                                                                                                                   |                                                                                                                                                                            |                                                                                     |                                                                                                                                                                                                                        |    |    |    |    |
| <b>20. LEASE, SPACING AND POOLING INFORMATION</b>                                                                                                                                                                                                                                                                            |                                                                                                                                                                            |                                                                                     |                                                                                                                                                                                                                        |    |    |    |    |
| Objective Formation(s)                                                                                                                                                                                                                                                                                                       | Formation Code                                                                                                                                                             | Spacing Order Number(s)                                                             | Unit Acreage Assigned to Well                                                                                                                                                                                          |    |    |    |    |
| Niobrara                                                                                                                                                                                                                                                                                                                     | NBRR                                                                                                                                                                       |                                                                                     |                                                                                                                                                                                                                        |    |    |    |    |
| Unit Configuration (N/2, SE/4, etc.)                                                                                                                                                                                                                                                                                         |                                                                                                                                                                            |                                                                                     |                                                                                                                                                                                                                        |    |    |    |    |

**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):  
T2N R46W: Section 33 E/2, Section 34 W/2

25. Distance to Nearest Mineral Lease Line: 846 ft 26. Total Acres in Lease: 640

**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: Evaporation and burial

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        | 9+7/8        | 7              | 17    | 0             | 480           | 170       | 480     | 0       |
| 1ST         | 6+1/4        | 4+1/2          | 9.5   | 0             | 2,790         | 125       | 2,800   | 0       |

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

33. Comments No conductor 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: Cheryl Johnson

Title: Regulatory Analyst II Date: 3/14/2011 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: 4/28/2011

**API NUMBER**

05 125 11970 00

Permit Number: \_\_\_\_\_ Expiration Date: 4/27/2013

**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 Colby Horton at 970-867-2517 or e-mail at colby.horton@state.co.us.
- 2) Set surface casing at least 50' into Pierre Shale for aquifer coverage, (480' 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) If completed, provide cement coverage from TD to a minimum of 200' above Niobrara. Verify coverage with cement bond log.
- 4) If dry hole, set 35 sks cement 50' above Niobrara top, 35 sks cement ½ out, ½ in surface casing, 10 sks cement at top of surface casing, cut casing 4' below GL, weld on plate, 5 sks cement in rat hole & 5 sks cement in mouse hole.

### **Attachment Check List**

| Att Doc Num | Name                 |
|-------------|----------------------|
| 1792135     | OIL & GAS LEASE      |
| 400115636   | FORM 2 SUBMITTED     |
| 400121655   | WELL LOCATION PLAT   |
| 400142225   | 30 DAY NOTICE LETTER |
| 400142226   | SURFACE AGRMT/SURETY |
| 400142227   | OIL & GAS LEASE      |

Total Attach: 6 Files

### **General Comments**

| <b><u>User Group</u></b> | <b><u>Comment</u></b>                                                                                                                                                                                    | <b><u>Comment Date</u></b> |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| Permit                   | 400115619 Distance between 23-34 and 13-34 is 1006 ft.<br>400115636 Distance between 14-34 and 13-34 is 850 ft.<br>400097238 Distance between 13-34 and 14-34 is 850 ft<br>From Cheryl Johnson at Noble. | 4/21/2011<br>1:06:13 PM    |
| Permit                   | Distance to nearest well should include the recently submitted APD's. BY                                                                                                                                 | 4/21/2011<br>1:05:33 PM    |

Total: 2 comment(s)

### **BMP**

| <b><u>Type</u></b> | <b><u>Comment</u></b> |
|--------------------|-----------------------|
|                    |                       |

Total: 0 comment(s)