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| 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> Document Number: 400057751 Plugging Bond Surety 20030009 | DE | ET | OE | ES |
| DE | ET | OE | ES | | | | |
| APPLICATION FOR PERMIT TO: | | | | | | | |
| 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 type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/> COMMINGLE ZONE <input checked="" 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>MARI CLARK</u> Phone: <u>(303)228-4413</u> Fax: <u>(303)228-4286</u> Email: <u>mclark@nobleenergyinc.com</u> | | | | | | | |
| 7. Well Name: <u>FIVE RIVERS K</u> | | Well Number: <u>16-30D</u> | | | | | |
| 8. Unit Name (if appl): _____ | | Unit Number: _____ | | | | | |
| 9. Proposed Total Measured Depth: <u>7728</u> | | | | | | | |
| WELL LOCATION INFORMATION | | | | | | | |
| 10. QtrQtr: <u>SWSE</u> Sec: <u>8</u> Twp: <u>4N</u> Rng: <u>66W</u> Meridian: <u>6</u> Latitude: <u>40.322110</u> Longitude: <u>-104.797370</u> | | | | | | | |
| Footage at Surface: <u>1138</u> feet FNL/FSL <u>FSL</u> 1416 feet FEL/FWL <u>FEL</u> | | | | | | | |
| 11. Field Name: <u>WATTENBERG</u> | | Field Number: <u>90750</u> | | | | | |
| 12. Ground Elevation: <u>4703</u> | | 13. County: <u>WELD</u> | | | | | |
| 14. GPS Data: Date of Measurement: <u>03/01/2010</u> PDOP Reading: <u>1.5</u> Instrument Operator's Name: <u>STEVEN A LUND</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>75</u> <u>FSL</u> <u>200</u> <u>FEL</u> <u>75</u> <u>FSL</u> <u>200</u> <u>FEL</u> Sec: <u>8</u> Twp: <u>4N</u> Rng: <u>66W</u> Sec: <u>8</u> Twp: <u>4N</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>182 ft</u> | | | | | | | |
| 18. Distance to nearest property line: <u>220 ft</u> 19. Distance to nearest well permitted/completed in the same formation: <u>746 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.) | | | |
| CODELL | CODL | 407-18 | 160 | GWA | | | |
| NIOBRARA | NBRR | 407-18 | 160 | GWA | | | |

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#: 20030012

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):
T4N R66W: S/2SE/4

25. Distance to Nearest Mineral Lease Line: 60 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

Method: ☒ Land Farming ☐ Land Spreading ☐ Disposal Facility Other: Closed Loop

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

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 | | 550 | 230 | 550 | 0 |
| 1ST | 7+7/8 | 4+1/2 | 11.6 | | 7,727 | 729 | 7,728 | |

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

33. Comments NO CONDUCTOR CASING WILL BE USED. 1ST STRING TOP OF CEMENT = 200' ABOVE NIOBRARA. WELL IS TO BE PART OF A 4 WELL PAD CONSISTING OF FIVE RIVERS K08-24D, K08-23, K09-33D, & K16-30D. PROPOSED GWA UNIT CONFIGURATION = T4N R66W: Section 8 SE/4SE/4, Section 9 SW/4SW/4, Section 16 NW/4NW/4, Section 17 NE/4NE/4

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: MARI CLARK

Title: REG. ANALYST II Date: 8/10/2010 Email: mclark@nobleenergyinc.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: 10/27/2010

API NUMBER

05 123 32442 00

Permit Number: _____ Expiration Date: 10/26/2012

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 and from 200' below Shannon to 200' above Shannon. 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.

Because the well head is located 181' from a public road, the derrick height may not exceed 120' as measured from the ground.

Attachment Check List

| Att Doc Num | Name |
|-------------|------------------------|
| 1770557 | SURFACE CASING CHECK |
| 400057751 | APD APPROVED |
| 400082476 | WELL LOCATION PLAT |
| 400082477 | 30 DAY NOTICE LETTER |
| 400082479 | DEVIATED DRILLING PLAN |
| 400083519 | PROPOSED SPACING UNIT |
| 400104025 | FORM 2 SUBMITTED |

Total Attach: 7 Files

General Comments

| <u>User Group</u> | <u>Comment</u> | <u>Comment Date</u> |
|--------------------------|--|----------------------------|
| Permit | Per Mari Clark, the lease description is S/2SE/4. PVG | 9/8/2010 8:52:14 AM |
| Permit | Need to clarify lease description. PVG | 9/3/2010 5:14:51 PM |
| Permit | Per Mari Clark, Noble Energy Inc is aware of the derrick height restriction and agrees with the COA. PVG | 9/3/2010 8:27:06 AM |

Total: 3 comment(s)

BMP

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

Total: 0 comment(s)