


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
DE	ET	OE	ES				
APPLICATION FOR PERMIT TO:			Document Number: <div style="text-align: center;">400159613</div> Plugging Bond Surety <div style="text-align: center;">20030009</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 checked="" type="checkbox"/> GAS <input type="checkbox"/> COALBED <input type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" 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>JAN KAJIWARA</u> Phone: <u>(303)228-4092</u> Fax: <u>(303)228-4286</u> Email: <u>jkajiwar@nobleenergyinc.com</u>							
7. Well Name: <u>70 RANCH BB</u>		Well Number: <u>21-65HN</u>					
8. Unit Name (if appl): _____		Unit Number: _____					
9. Proposed Total Measured Depth: <u>10910</u>							
WELL LOCATION INFORMATION							
10. QtrQtr: <u>NWSW</u> Sec: <u>21</u> Twp: <u>5N</u> Rng: <u>63W</u> Meridian: <u>6</u> Latitude: <u>40.384800</u> Longitude: <u>-104.450300</u>							
Footage at Surface: <u>2569</u> feet FNL/FSL <u>FSL</u> <u>69</u> feet FEL/FWL <u>FWL</u>							
11. Field Name: <u>WATTENBERG</u>		Field Number: <u>90750</u>					
12. Ground Elevation: <u>4612</u>		13. County: <u>WELD</u>					
14. GPS Data: Date of Measurement: <u>02/07/2011</u> PDOP Reading: <u>1.8</u> Instrument Operator's Name: <u>ROBERT DALEY</u>							
15. If well is <input type="checkbox"/> Directional <input checked="" type="checkbox"/> Horizontal (highly deviated) submit deviated drilling plan. Footage at Top of Prod Zone: FNL/FSL <u>2583</u> FSL <u>723</u> FEL/FWL <u>FWL</u> Bottom Hole: FNL/FSL <u>2634</u> FNL <u>535</u> FEL <u>FEL</u> Sec: <u>21</u> Twp: <u>5N</u> Rng: <u>63W</u> Sec: <u>21</u> Twp: <u>5N</u> Rng: <u>63W</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>3350</u> ft							
18. Distance to nearest property line: <u>69</u> ft 19. Distance to nearest well permitted/completed in the same formation: <u>690</u> ft							
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	NBRR	407-87	320	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 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):
SEE ATTACHED

25. Distance to Nearest Mineral Lease Line: 535 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

Method: ☒ Land Farming ☐ Land Spreading ☐ Disposal Facility Other: CLOSED LOOP

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
CONDUCTOR	18+1/2	16		0	100	6	100	0
SURF	13+3/4	9+5/8	36	0	550	181	550	0
1ST	8+3/4	7	26	0	6,867	1,033	6,867	
2ND	6+1/8	4+1/2	11.6	5553	10,910			

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

33. Comments THREE WELL PAD: 70 RANCH BB21-63HN (400159612), BB21-65HN (400159613), BB21-67HN (400159614). 2A (400159615). UNIT CONFIGURATION = S/2N/2, N2/S/2. Noble requests approval of a Rule 318Aa and Rule 318Ac exception location: Wellhead is to be located outside of a GWA drilling window and will be located more than 50' from an existing well location. Waiver attached. Noble requests approval of a Rule 603.a.(2) exception location: Wellhead is to be located less than 150' from a property line. Waiver attached

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: JAN KAJIWARA

Title: REGULATORY ANALYST Date: 5/5/2011 Email: jkajiwara@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: 5/29/2011

Permit Number: _____ Expiration Date: 5/28/2013

API NUMBER

05 123 33576 00

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 via e-mail at bo.brown@state.co.us.
- 2) Provide cement coverage from TD to a minimum of 200' above Niobrara. Verify coverage with cement bond log.
- 3) 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
400159613	FORM 2 SUBMITTED
400162045	30 DAY NOTICE LETTER
400162049	LEASE MAP
400162050	WELL LOCATION PLAT
400162052	DEVIATED DRILLING PLAN
400162054	EXCEPTION LOC REQUEST
400162055	EXCEPTION LOC WAIVERS
400162056	EXCEPTION LOC REQUEST
400162058	EXCEPTION LOC WAIVERS
400162065	PROPOSED SPACING UNIT

Total Attach: 10 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Form 2A problems fixed.	5/9/2011 9:09:33 AM
Permit	On hold Waiting for form 2A to be submitted.	5/9/2011 6:50:49 AM
Permit	Corrected line 22b to \$25,000 bond to match other wells on pad. Notified Opr-Jan. sf	5/6/2011 1:42:04 PM

Total: 3 comment(s)

BMP

<u>Type</u>	<u>Comment</u>
Storm Water/Erosion Control	Stormwater management plans (SWMP) are in place to address construction, drilling and operations associated with Oil & Gas development throughout the state of Colorado in accordance with Colorado Department of Public Health and Environment (CDPHE) General Permit No. COR-039527. BMP's will be constructed around the perimeter of the site prior to, or at the beginning of construction. BMP's used will vary according to the location, and will remain in place until the pad reaches final reclamation.
General Housekeeping	Housekeeping will consist of neat and orderly storage of materials and fluids. Wastes will be temporarily stored in sealed containers and regularly collected and disposed of at offsite, suitable facilities. If spills occur prompt cleanup is required to minimize any commingling of waste materials with stormwater runoff. Routine maintenance will be limited to fueling and lubrication of equipment. Drip pans will be used during routine fueling and maintenance to contain spills or leaks. Any waste product from maintenance will be containerized and transported offsite for disposal or recycling. There will be no major equipment overhauls conducted onsite. Equipment will be transported offsite for major overhauls. Cleanup of trash and discarded materials will be conducted at the end of each work day. Cleanup will consist of patrolling the roadway, access areas, and other work areas to pickup trash, scrap debris, other discarded materials, and any contaminated soil. These materials will be disposed of properly.
Material Handling and Spill Prevention	Spill Prevention Control and Countermeasures (SPCC) plans are in place to address any possible spill associated with Oil & Gas operations throughout the state of Colorado in accordance with CFR 112.

Total: 3 comment(s)