

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



DE ET OE ES

APPLICATION FOR PERMIT TO:

1. Drill, Deepen, Re-enter, Recomplete and Operate

2. TYPE OF WELL

OIL GAS COALBED OTHER _____
SINGLE ZONE MULTIPLE ZONE COMMINGLE ZONE

Refiling
Sidetrack

Document Number:
400107509
Plugging Bond Surety
20030009

3. Name of Operator: NOBLE ENERGY INC 4. COGCC Operator Number: 100322

5. Address: 1625 BROADWAY STE 2200
City: DENVER State: CO Zip: 80202

6. Contact Name: MARI CLARK Phone: (303)228-4413 Fax: (303)228-4286
Email: mclark@nobleenergyinc.com

7. Well Name: STATE D Well Number: 01-30D

8. Unit Name (if appl): _____ Unit Number: _____

9. Proposed Total Measured Depth: 7416

WELL LOCATION INFORMATION

10. QtrQtr: NWSW Sec: 36 Twp: 4N Rng: 64W Meridian: 6
Latitude: 40.266040 Longitude: -104.506570

Footage at Surface: 1569 feet ^{FNL/FSL} FSL 616 feet ^{FEL/FWL} FWL

11. Field Name: WATTENBERG Field Number: 90750

12. Ground Elevation: 4737 13. County: WELD

14. GPS Data:

Date of Measurement: 09/24/2010 PDOP Reading: 1.9 Instrument Operator's Name: DAVID C HOLMES

15. If well is Directional Horizontal (highly deviated) **submit deviated drilling plan.**

Footage at Top of Prod Zone: ^{FNL/FSL} 75 FNL ^{FEL/FWL} 75 FEL ^{FNL/FSL} 75 FNL ^{FEL/FWL} 75 FEL
Sec: 2 Twp: 3N Rng: 64W Sec: 2 Twp: 3N Rng: 64W

16. Is location in a high density area? (Rule 603b)? Yes No

17. Distance to the nearest building, public road, above ground utility or railroad: 5281 ft

18. Distance to nearest property line: 616 ft 19. Distance to nearest well permitted/completed in the same formation: 700

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	407-87	160	GWA
NIOBRARA	NBRR	407-87	160	GWA

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):
N/2 SECTION 2, T3N, R64W

25. Distance to Nearest Mineral Lease Line: 75 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: 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
SURF	12+1/4	8+5/8	24		600	196	600	0
1ST	7+7/8	4+1/2	11.6		7,416	630	7,416	

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. UNIT CONFIGURATION = SE/SE OF SECTION 35, SW/SW OF SECTION 36, NW/NW OF SECTION 1 & THE NE/NE OF SECTION 2. WELL IS TO BE TWINNED WITH PROPOSED STATE C36-32D, STATE C36-33D & STATE C36-99HZ CREATING A 4 WELL PAD. Operator 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. waivers 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: MARI CLARK

Title: REG. ANALYST II Date: 1/28/2011 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: 3/9/2011

Permit Number: _____ Expiration Date: 3/8/2013

API NUMBER
05 123 33116 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 hr notice of spud to Bo Brown at 970-330-6085 or email at bo.brown@state.co.us .
- 2) Set surface casing per Rule 317d, cement to surface. 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 and from 200' below to 200' above Sussex. Verify cement with a cement bond log.
- 4) 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	Document Name	attached ?	
<u>Attachment Checklist</u>			
400128694	30 Day notice letter	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	APD Orig & 1 Copy	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
400128695	Deviated Drilling Plan	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400128696	Exception Loc Request	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400128697	Exception Loc Waivers	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Federal Drilling Permit	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	H2S Contingency Plan	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	Mineral lease map	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	Other	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	Surface agrmt/Surety	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	Topo map	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
400128693	Well Location Plat	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
<u>Other Attachments</u>			
400107509	FORM 2 SUBMITTED	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400128698	PROPOSED SPACING UNIT	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

General Comments

User Group	Comment	Comment Date
Permit	Well is compliance with the SLB.	3/7/2011 4:50:03 PM
Permit	Removed COGCC surface bond since well is bonded with SLB.	1/31/2011 3:02:31 PM
Permit	ON HOLDE-mailed Tim Kelly at SLB for verification of Surface Restoration bond.	1/31/2011 2:57:35 PM

Total: 3 comment(s)

BMP

Type	Comment

Total: 0 comment(s)