

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



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Document Number:
400036956
Plugging Bond Surety
20030009

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

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: Cheryl Johnson Phone: (303)228-4437 Fax: (303)228-4286
Email: cheryljohnson@nobleenergyinc.com
7. Well Name: Sater C Well Number: 14-22
8. Unit Name (if appl): _____ Unit Number: _____
9. Proposed Total Measured Depth: 7362

WELL LOCATION INFORMATION

10. QtrQtr: NWSE Sec: 14 Twp: 4N Rng: 64W Meridian: 6
Latitude: 40.312020 Longitude: -104.513120
Footage at Surface: 2494 FNL/FSL FSL 1325 FEL/FWL FEL
11. Field Name: Wattenberg Field Number: 90750
12. Ground Elevation: 4645 13. County: WELD

14. GPS Data:

Date of Measurement: 12/10/2009 PDOP Reading: 2.3 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 _____ FEL/FWL _____ Bottom Hole: FNL/FSL _____ FEL/FWL _____
Sec: _____ Twp: _____ Rng: _____ Sec: _____ Twp: _____ Rng: _____

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: 150 ft

18. Distance to nearest property line: 155 ft 19. Distance to nearest well permitted/completed in the same formation: 852 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.)
Codell	CODL	407-87	160	GWA
J-Sand	JSND	232-23	320	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):
T4N R64W: Sec 14: SE4

25. Distance to Nearest Mineral Lease Line: 155 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 27 or 28 are yes, is this location in a sensitive area (Rule 903)? Yes No **If 28, 29, or 30 are "Yes" a pit permit may be required.**

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	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bottom	Cement Top
SURF	12+1/4	8+5/8	24	475	202	475	0
1ST	7+7/8	4+1/2	11.6	7,362	674	7,362	

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

33. Comments NO CONDUCTOR CASING WILL BE USED. TOC=200' ABOVE THE NIOBRARA. OPERATOR NOTIFIED OF RIG HEIGHT COA. WELL OUTSIDE THE DRILLING WINDOW AND MORE THAN 50' FROM EXISTING WELL, EXCEPTIONS GRANTED PROPOSED SPACING UNIT IS S/2NE4, N/2SE4

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 Date: 4/12/2010 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. Nashin Director of COGCC Date: 5/14/2010

API NUMBER
05 123 31614 00

Permit Number: _____ Expiration Date: 5/13/2012

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.

DRILLING RIG HEIGHT CANNOT EXCEED 100 FEET DUE TO CLOSE PROXIMTY TO ABOVE GROUND UTILITY

- 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, with 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. Verify coverage with cement bond log. 4 If dry hole, set 60 sks cement from 50' below D Sand base to 100' above D Sand top, 40 sks cement 50' above Niobrara top, 50 sks cement ½ out, ½ in surface casing, 10 sks cement top of surface casing, cut 4' below GL, weld on plate, 5 sks cement in rat hole & 5 sks cement in mouse hole. Restore surface location.

DRILLING RIG HEIGHT CANNOT EXCEED 100 FEET DUE TO CLOSE PROXIMTY TO ABOVE GROUND UTILITY

Attachment Check List

Att Doc Num	Name	Doc Description
1725820	SURFACE CASING CHECK	LF@2475627 1725820
1760966	PROPOSED SPACING UNIT	LF@2476524 1760966
400036956	FORM 2 SUBMITTED	LF@2452341 400036956
400053291	WELL LOCATION PLAT	LF@2452343 400053291
400053292	SURFACE AGRMT/SURETY	LF@2452345 400053292
400053293	30 DAY NOTICE LETTER	LF@2452347 400053293
400053294	WAIVERS	LF@2452348 400053294
400053297	EXCEPTION LOC REQUEST	LF@2452350 400053297
400054338	PROPOSED SPACING UNIT	LF@2452351 400054338

Total Attach: 9 Files