

FORM
2

Rev
12/05

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

400447842

Date Received:

07/15/2013

PluggingBond SuretyID

20030110

APPLICATION FOR PERMIT TO:

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

2. TYPE OF WELL

OIL ☒ GAS ☐ COALBED ☐ OTHER _____
SINGLE ZONE ☒ MULTIPLE ☐ COMMINGLE ☐

Refiling ☐

Sidetrack ☒

3. Name of Operator: WHITING OIL AND GAS CORPORATION

4. COGCC Operator Number: 96155

5. Address: 1700 BROADWAY STE 2300

City: DENVER State: CO Zip: 80290

6. Contact Name: Scott Webb Phone: (303)390-4095 Fax: (303)390-5590

Email: scottw@whiting.com

7. Well Name: Horsetail Well Number: 16-1610B

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

9. Proposed Total Measured Depth: 9897

WELL LOCATION INFORMATION

10. QtrQtr: NWNE Sec: 16 Twp: 10N Rng: 57W Meridian: 6

Latitude: 40.845272 Longitude: -103.754508

Footage at Surface: 395 feet FNL/FSL 2150 feet FEL/FWL
FNL FEL

11. Field Name: Wildcat Field Number: 99999

12. Ground Elevation: 4780 13. County: WELD

14. GPS Data:

Date of Measurement: 04/01/2013 PDOP Reading: 1.2 Instrument Operator's Name: Dallas Nelson

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
916 FNL 2151 FEL 660 FSL 2145 FEL
Sec: 16 Twp: 10N Rng: 57W Sec: 16 Twp: 10N Rng: 57W

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: 5280 ft

18. Distance to nearest property line: 395 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 5280 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	535-314	640	A Sec 16

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 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):

All Section 16-T10N-R57W

25. Distance to Nearest Mineral Lease Line: 660 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: _____

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	20+1/6	20+0/0	68	0	80			
SURF	13+1/2	9+5/8	36	0	1,833	837	1,833	0
1ST	8+3/4	7+0/0	29	0	6,160	429	6,160	0
1ST LINER	6+0/0	4+1/2	11.6	5342	9,897			

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

33. Comments _____

34. Location ID: 433159

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: Scott M. Webb

Title: Regulatory & Permitting M Date: 7/15/2013 Email: scottw@whiting.com

Operator must have a valid water right or permit allowing for industrial use or purchased water from a seller that has a valid water right or permit allowing for industrial use, otherwise an application for a change in type of use is required under Colorado law. Operator must also use the water in the location set forth in the water right decree or well permit, otherwise an application for a change in place of use is required under Colorado law. Section 37-92-103(5), C.R.S. (2011).

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: Matthew Lee Director of COGCC Date: 7/21/2013

API NUMBER

05 123 37506 01

Permit Number: _____ Expiration Date: 7/20/2015

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 cement coverage to a minimum of 200' above Niobrara. Verify coverage with cement bond log.
- 2) Run and submit Directional Survey from TD to base of surface casing. Ensure

Applicable Policies and Notices to Operators

Notice Concerning Operating Requirements for Wildlife Protection.

Attachment Check List

Att Doc Num	Name
400447842	FORM 2 SUBMITTED
400447856	DEVIATED DRILLING PLAN
400448193	DIRECTIONAL DATA
400448223	OTHER
400448225	PROPOSED PLUGGING PROCEDURE

Total Attach: 5 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	See proposed plugging procedure attachment for comments regarding the need to sidetrack. Final review complete.	7/18/2013 6:42:03 AM
Permit	Unplanned sidetrack. Public and LDG comment period waived.	7/16/2013 2:26:17 PM
Permit	Sent operator a copy of the guidance document for filing an unplanned sidetrack. Returned to draft for corrections.	7/15/2013 3:39:58 PM

Total: 3 comment(s)

BMP

<u>Type</u>	<u>Comment</u>
Storm Water/Erosion Control	Stormwater plan in-place

Total: 1 comment(s)