

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:

400402004

Date Received:

04/09/2013

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: Razor Well Number: 25-2411H

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

9. Proposed Total Measured Depth: 10109

WELL LOCATION INFORMATION

10. QtrQtr: NWNW Sec: 25 Twp: 10N Rng: 58W Meridian: 6

Latitude: 40.816264 Longitude: -103.820411

Footage at Surface: 264 feet FNL/FSL 661 feet FEL/FWL
FNL FWL

11. Field Name: Wildcat Field Number: 99999

12. Ground Elevation: 4763 13. County: WELD

14. GPS Data:

Date of Measurement: 09/21/2012 PDOP Reading: 2.2 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
660 FSL 661 FWL 660 FNL 660 FWL
Sec: 24 Twp: 10N Rng: 58W Sec: 24 Twp: 10N Rng: 58W

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: 4415 ft

18. Distance to nearest property line: 264 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 1320 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	535-296	640	All 24

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):

W/2 Sec 24-T10N-R58W; 320 Acres

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

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	25	20	56	0	80			
SURF	13+1/2	9+5/8	36	0	1,600	739	1,600	0
1ST	8+3/4	7	29	0	6,299	438	6,200	0
1ST LINER	6	4+1/2	11.6	5908	10,286	0		

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

33. Comments CADE RIG #21 IS CURRENTLY DRILLING THE LATERAL ON THE RAZOR_25-2411H (API: 05-123-3658100). UNFORTUNATELY WE HAVE DRILLED ACROSS A FAULT THAT PUT US IN A LOWER PART OF THE NIOBRARA "B" BENCH THAT WE DO NOT CONSIDER PAY. SO WE WOULD LIKE TO REQUEST PERMISSION TO SIDETRACK OUR LATERAL. DATA COLLECTED BY MWD-GAMMA TOOL AND THE MUD LOG INDICATED THAT WE CROSSED A FAULT WHICH PUT US IN A LOWER PART OF THE NIOBRARA "B-BENCH" THAT WE DO NOT CONSIDER TO BE PAY. TO GET BACK ON TARGET WE WOULD HAVE DRILL MORE THAN 1,000' OF LATERAL WHICH WOULD REDUCE THE OVERALL EFFECTIVE LATERAL LENGTH BY 25% WHICH IS WHY WE OPT TO SIDETRACK. TOTAL DEPTH REACHED: 9,800' (MD) SURFACE CASING: SIZE: 9.625" 36PPF J-55 LTC DEPTH: 1,650' INTERMEDIATE CASING: SIZE: 7.000" 29PPF HCP-110 LTC DEPTH: 6,154' DESCRIPTION OF FISH IN THE HOLE: NO FISH TO REPORT PLUG BACK DEPTHS: NO PLUGS PLANNED. SIDETRACK KICK OFF POINT: 6,777' (MD) BHL TARGET FOR SIDETRACK HOLE: (SAME TARGET) 660' FNL AND 660' FWL S24-T10N-R58W VERBAL APPROVAL TO SIDETRACK: DIANA BURN 4/6/13

34. Location ID: 431118

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: 4/9/2013

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: _____

Director of COGCC

Date: 4/23/2013

API NUMBER

05 123 36581 01

Permit Number: _____

Expiration Date: 4/22/2015

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 that the wellbore complies with setback requirements in commission orders or rules prior to producing the well.

Applicable Policies and Notices to Operators

Notice Concerning Operating Requirements for Wildlife Protection.

Attachment Check List

Att Doc Num	Name
2233942	CORRESPONDENCE
400402004	FORM 2 SUBMITTED
400402036	DEVIATED DRILLING PLAN
400402089	DIRECTIONAL DATA

Total Attach: 4 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Input description of sidetrack from form 4 doc #2132176 into operator comments section.	4/23/2013 9:59:51 AM
Permit	Well is being sidetracked due to a fault which caused the operator to miss their target formation. Please see sundry document #2132176 for more information. Final review complete.	4/15/2013 6:07:20 AM
Permit	Unplanned sidetrack. LGD and Public comment period waived.	4/9/2013 3:56:26 PM

Total: 3 comment(s)

BMP

<u>Type</u>	<u>Comment</u>