

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:

400096443

Plugging Bond Surety

20030110

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: 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: Larry Brown Phone: (307)237-9310 Fax: ()
Email: ld_brown@bresnan.net
7. Well Name: Pawnee Well Number: 16-13H
8. Unit Name (if appl): _____ Unit Number: _____
9. Proposed Total Measured Depth: 10266

WELL LOCATION INFORMATION

10. QtrQtr: NWSW Sec: 16 Twp: 10N Rng: 59W Meridian: 6
Latitude: 40.835220 Longitude: -103.992170

Footage at Surface: 1834 feet FNL/FSL 413 feet FEL/FWL
FSL FWL

11. Field Name: _____ Field Number: _____
12. Ground Elevation: 5115 13. County: WELD

14. GPS Data:

Date of Measurement: 09/10/2010 PDOP Reading: 2.2 Instrument Operator's Name: Tim Leibert

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

Footage at Top of Prod Zone: FNL/FSL 1701 FSL 921 FWL 660 Bottom Hole: FNL/FSL 660 FEL/FWL FEL
Sec: 16 Twp: 10N Rng: 59W Sec: 16 Twp: 10N Rng: 59W

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: 413 ft 19. Distance to nearest well permitted/completed in the same formation: 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			

21. Mineral Ownership: ☐ Fee ☒ State ☐ Federal ☐ Indian Lease #: 8440.5

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):
All of Section 16, T10N-R59W

25. Distance to Nearest Mineral Lease Line: 413 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: _____

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	9+5/8	36		1,500	421	1,500	0
1ST	8+3/4	7	29		6,604	574	6,604	0
2ND	6	4+1/2	11.6		10,266			

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

33. Comments conductor casing will not be used.

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: Larry D. Brpwn

Title: Agent Date: 9/30/2010 Email: ld_brown@bresnan.net

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: 10/31/2010

API NUMBER

05 123 32493 01

Permit Number: _____ Expiration Date: 10/30/2012

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.

- 1) Provide 24 hr notice of MIRU to Colby Horton at 970-370-0040 or colby.horton@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 the first casing shoe to a minimum of 200' above Niobrara. 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	Name
400096443	APD APPROVED
400096499	WELL LOCATION PLAT
400096509	TOPO MAP
400096519	DEVIATED DRILLING PLAN
400097098	DRILLING PLAN
400104820	FORM 2 SUBMITTED

Total Attach: 6 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Surface Restoration Bond on file with SLB; per Tim Kelly	10/14/2010 3:51:09 PM
Permit	On Hold State Land board is having a few issues with Whiting. Please hold their permit for several days.	10/12/2010 10:12:32 AM
Permit	will conductor casing be used?	10/6/2010 1:04:30 PM
Permit	E-mailed Tim Kelly at SLB for verification of Surface Restoration bond.	10/6/2010 12:58:57 PM
Permit	Opr corrected attachments	10/5/2010 11:57:29 AM
Permit	DRAFT: drilling plan corrupt	10/1/2010 2:15:42 PM

Total: 6 comment(s)

BMP

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

Total: 0 comment(s)