

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: Larry Brown Phone: (307)237-9310 Fax: ()
Email: ld_brown@bresnan.net

7. Well Name: Wildhorse Well Number: 18-1834H

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

9. Proposed Total Measured Depth: 10426

WELL LOCATION INFORMATION

10. QtrQtr: NWNE Sec: 18 Twp: 9N Rng: 59W Meridian: 6
Latitude: 40.756967 Longitude: -104.018808

Footage at Surface: 320 feet FNL 1980 feet FEL

11. Field Name: Wildcat Field Number: 99999

12. Ground Elevation: 5042 13. County: WELD

14. GPS Data:
Date of Measurement: 08/19/2011 PDOP Reading: 1.7 Instrument Operator's Name: Loren Shanks

15. If well is Directional Horizontal (highly deviated) **submit deviated drilling plan.**
Footage at Top of Prod Zone: 854 FNL 1975 FEL Bottom Hole: 660 FSL 1980 FEL
Sec: 18 Twp: 9N Rng: 59W Sec: 18 Twp: 9N 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: 1980 ft
18. Distance to nearest property line: 320 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 1323 ft

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.)
Nibrara	NBRR			

21. Mineral Ownership: Fee State Federal Indian Lease #: COC-067758
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 of Section 18 T9N R59W

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	26	20		0	80		80	0
SURF	13+1/2	9+5/8	36	0	1,000	449	1,000	0
1ST	8+3/4	7	29	0	6,587	469	6,587	0
2ND	6	4+1/2	11.6	0	10,426			

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

33. Comments _____

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. Brown

Title: Agent Date: 8/27/2012 Email: ld_brown@bresnan.net

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: 9/28/2012

API NUMBER **05 123 36123 00** Permit Number: _____ Expiration Date: 9/27/2014

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 48 hour notice prior to spud via electronic Form 42.
- 2) Provide cement coverage from base of intermediate casing to a minimum of 200' above Niobrara. Verify coverage with cement bond log.
- 3) 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
400320594	FORM 2 SUBMITTED
400320604	WELL LOCATION PLAT
400320605	TOPO MAP
400320606	DRILLING PLAN
400320607	DEVIATED DRILLING PLAN
400323818	DIRECTIONAL DATA

Total Attach: 6 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Final Review Completed. LGD comment addressed (see COA's added); no public comment received.	9/26/2012 6:05:12 AM
Permit	The attached drilling plan has this a lateral and pilot program. Per the operator no pilot will be drilled.	9/13/2012 4:12:20 PM
Permit	Per operator corrected distance to nearest lease line.	9/11/2012 3:54:58 PM
Permit	Requested updated distance to lease, information on pilot from drilling plan, and to remove acres from objective formation since this is unspaced.	9/11/2012 6:11:59 AM
Permit	Operator corrected values.	9/5/2012 7:14:24 PM
Permit	Return to Draft: Deviated drill plan values inconsistent with drill data values	8/27/2012 9:26:39 PM

Total: 6 comment(s)

BMP

<u>Type</u>	<u>Comment</u>
Material Handling and Spill Prevention	<p>Spill Prevention Control and Countermeasures (SPCC) plans are in place to address any possible spill associated with oil and gas operations throughout the State of Colorado.</p> <ul style="list-style-type: none">• Materials and fluids will be stored in a neat and orderly fashion.• Waste will be collected regularly and disposed of at an offsite facility.• Prompt cleanup is required of spills to minimize waste materials entering the stormwater runoff.• Drip pans will be used during fueling and maintenance to contain spills or leaks.• Cleanup of trash and discarded material will be done at the end of the work day.• Cleanup will consist of monitoring the road, location and any other work areas.• Material to be cleaned up includes trash, scrap, and contaminated soil.
Storm Water/Erosion Control	<p>Stormwater management plans (SWMP) are in place to address construction, drilling and operations associated with oil and gas development throughout the State of Colorado. BMPs will be constructed as necessary to prevent stormwater from leaving the construction site. BMPs used will vary according to the location, and will remain until the pad is reclaimed.</p>
Planning	<p>The Operator participates in the Colorado Oil & Gas Association Voluntary Baseline Groundwater Sampling Program.</p>

Total: 3 comment(s)