


<b>FORM</b> <b>2</b> Rev 12/05	<b>State of Colorado</b> <b>Oil and Gas Conservation Commission</b> 1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">DE</td> <td style="width: 25%;">ET</td> <td style="width: 25%;">OE</td> <td style="width: 25%;">ES</td> </tr> </table>	DE	ET	OE	ES
DE	ET	OE	ES				
<b>APPLICATION FOR PERMIT TO:</b>			Document Number:  400131348  Plugging Bond Surety  20030110				
1. <input checked="" type="checkbox"/> <b>Drill,</b> <input type="checkbox"/> Deepen, <input type="checkbox"/> Re-enter, <input type="checkbox"/> Recomplete and Operate							
2. TYPE OF WELL OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> COALBED <input type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/> COMMINGLE ZONE <input type="checkbox"/>		Refiling <input type="checkbox"/> Sidetrack <input checked="" type="checkbox"/>					
3. Name of Operator: <u>WHITING OIL AND GAS CORPORATION</u>		4. COGCC Operator Number: <u>96155</u>					
5. Address: <u>1700 BROADWAY STE 2300</u> City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80290</u>							
6. Contact Name: <u>Michael Brown</u> Phone: <u>(307)237-9310</u> Fax: <u>()</u> Email: <u>ml_brown@bresnan.net</u>							
7. Well Name: <u>Twomile Creek</u>		Well Number: <u>22-13H</u>					
8. Unit Name (if appl): _____		Unit Number: _____					
9. Proposed Total Measured Depth: <u>9392</u>							
<b>WELL LOCATION INFORMATION</b>							
10. QtrQtr: <u>NWSW</u> Sec: <u>22</u> Twp: <u>11N</u> Rng: <u>57W</u> Meridian: <u>6</u> Latitude: <u>40.910330</u> Longitude: <u>-103.743050</u>							
Footage at Surface: <u>1949</u> feet    FNL/FSL <u>FSL</u> <u>1033</u> feet    FEL/FWL <u>FWL</u>							
11. Field Name: _____		Field Number: _____					
12. Ground Elevation: <u>4950</u>		13. County: <u>WELD</u>					
14. GPS Data: Date of Measurement: <u>09/17/2010</u> PDOP Reading: <u>2.1</u> Instrument Operator's Name: <u>Darren Veal</u>							
15. If well is <input type="checkbox"/> Directional <input checked="" type="checkbox"/> Horizontal (highly deviated) <b>submit deviated drilling plan.</b> Footage at Top of Prod Zone:    FNL/FSL    FEL/FWL    Bottom Hole:    FNL/FSL    FEL/FWL <u>1885</u> <u>FSL</u> <u>1208</u> <u>FWL</u> <u>660</u> <u>FSL</u> <u>660</u> <u>FEL</u> Sec: <u>22</u> Twp: <u>11N</u> Rng: <u>57W</u> Sec: <u>22</u> Twp: <u>11N</u> Rng: <u>57W</u>							
16. Is location in a high density area? (Rule 603b)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
17. Distance to the nearest building, public road, above ground utility or railroad: <u>2760</u> ft							
18. Distance to nearest property line: <u>1033</u> ft    19. Distance to nearest well permitted/completed in the same formation: <u>1755</u> ft							
20. <b>LEASE, SPACING AND POOLING INFORMATION</b>							
Objective Formation(s)	Formation Code	Spacing Order Number(s)	Unit Acreage Assigned to Well	Unit Configuration (N/2, SE/4, etc.)			
Niobrara	NBRR						

**IMPORTANT: SOME DATA FIELDS HAVE BEEN MODIFIED.**

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):  
All of Section 22, T11N-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

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.

If 28, 29, or 30 are "Yes" a pit permit may be required.

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	0	1,500	421	1,500	0
1ST	8+3/4	7	29	0	6,063	531	6,063	
2ND	6	4+1/2	11.6	0	9,392			

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

33. Comments \_\_\_\_\_

34. Location ID: \_\_\_\_\_ 422116

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: Michael L. Brown

Title: Agent Date: 2/8/2011 Email: ml\_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: 3/17/2011

**API NUMBER**

05 123 33161 01

Permit Number: \_\_\_\_\_ Expiration Date: 3/16/2013

**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 intermediate 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
400131348	FORM 2 SUBMITTED
400131359	WELL LOCATION PLAT
400131360	TOPO MAP
400131362	DRILLING PLAN
400131363	DEVIATED DRILLING PLAN
400131364	SURFACE AGRMT/SURETY

Total Attach: 6 Files

### **General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	On hold waiting on conductor casing info.	2/15/2011 9:44:50 AM
Permit	On hold placed on hold until 20 day comment period over at which time the pilot and then the lateral will be approved in that order with designation o "00" and "01" API numbers.	2/15/2011 9:44:23 AM

Total: 2 comment(s)

### **BMP**

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

Total: 0 comment(s)