

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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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

Refilling   
Sidetrack

Document Number:  
400094912  
Plugging Bond Surety  
20030110

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: Terrace Well Number: 36-32M

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

9. Proposed Total Measured Depth: 6878

WELL LOCATION INFORMATION

10. QtrQtr: SWNE Sec: 36 Twp: 10N Rng: 59W Meridian: 6  
Latitude: 40.795290 Longitude: -103.926310

Footage at Surface: 2425 FNL/FSL FNL 2525 FEL/FWL FEL

11. Field Name: \_\_\_\_\_ Field Number: \_\_\_\_\_

12. Ground Elevation: 4890 13. County: WELD

14. GPS Data:

Date of Measurement: 09/17/2010 PDOP Reading: 1.9 Instrument Operator's Name: Darren Veal

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 \_\_\_\_\_

Sec: \_\_\_\_\_ Twp: \_\_\_\_\_ Rng: \_\_\_\_\_ Sec: \_\_\_\_\_ Twp: \_\_\_\_\_ Rng: \_\_\_\_\_

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: 2860 ft

18. Distance to nearest property line: 2425 ft 19. Distance to nearest well permitted/completed in the same formation: 6143 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.)
D-Sand	DK-JD			
J-Sand	DK-J			
Niobrara	NBRR			

21. Mineral Ownership:  Fee  State  Federal  Indian Lease #: 8441.5

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 36, T10N-R59W

25. Distance to Nearest Mineral Lease Line: 2425 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 27 or 28 are yes, is this location in a sensitive area (Rule 903)?  Yes  No **If 28, 29, or 30 are "Yes" a pit permit may be required.**

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	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bottom	Cement Top
SURF	12+1/4	9+5/8	36	560	280	560	
1ST	7+7/8	5+1/2	17	6,878	626	6,878	

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. Brown

Title: Agent Date: 9/24/2010 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 32491 00

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 spud and if DA to Colby Horton at 970-467-2517 or e-mail at colby.horton@state.co.us.
- 2) Note surface casing setting depth change from 400' to 560'. Increase cement coverage accordingly and cement to surface. Set surface casing per Rule 317d, 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 TD to a minimum of 200' above D Sand. Verify coverage with cement bond log.
- 4) If dry hole, set 60 sks cement from 50' below D Sand base to 100' above D Sand top, 40 sks cement 50' above Niobrara top, tag 50 sks cement ½ out, ½ in surface casing, 10 sks cement top of surface casing, cut 4' below GL, weld on plate, 5 sks cement in rat hole & 5 sks cement in mouse hole. Restore site per COGCC 1000 rules.

### Attachment Check List

Att Doc Num	Name	Doc Description
400094912	FORM 2 SUBMITTED	LF@2569830 400094912
400094930	WELL LOCATION PLAT	LF@2569831 400094930
400094958	TOPO MAP	LF@2569832 400094958
400094959	DRILLING PLAN	LF@2569833 400094959

Total Attach: 4 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 3:54:43 PM
Permit	On Hold State Land board is having a few issues with Whiting. Please hold their permit for several days.	10/12/2010 10:11:23 AM
Permit	E-mailed Tim Kelly at SLB for verification of Surface Restoration bond.	10/6/2010 12:40:24 PM
Permit	Questions answered	9/30/2010 11:35:54 AM
Permit	Back to draft to answer questions 35-36	9/28/2010 10:01:57 AM

Total: 5 comment(s)

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