

**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

Document Number:  
400233240

PluggingBond SuretyID  
20090080

3. Name of Operator: GREAT WESTERN OIL & GAS COMPANY LLC      4. COGCC Operator Number: 10110

5. Address: 700 AUTOMATION DR - UNIT A  
City: WINDSOR      State: CO      Zip: 80550-3119

6. Contact Name: Janni Keidel      Phone: (303)398-0388      Fax: (866)742-1784  
Email: jkeidel@gwogco.com

7. Well Name: O-I      Well Number: 25-11

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

9. Proposed Total Measured Depth: 7435

**WELL LOCATION INFORMATION**

10. QtrQtr: SESE      Sec: 23      Twp: 6N      Rng: 67W      Meridian: 6  
Latitude: 40.465760      Longitude: -104.852080

Footage at Surface: \_\_\_\_\_ feet      FNL/FSL \_\_\_\_\_ feet      FEL/FWL \_\_\_\_\_ feet

11. Field Name: LaPoudre      Field Number: 48125

12. Ground Elevation: 4772      13. County: WELD

14. GPS Data:  
Date of Measurement: 09/08/2011      PDOP Reading: 2.0      Instrument Operator's Name: C. Vanmatre

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

662      FNL      661      FWL      662      FNL      661      FWL

Sec: 25      Twp: 6N      Rng: 67W      Sec: 25      Twp: 6N      Rng: 67W

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: 256 ft

18. Distance to nearest property line: 180 ft      19. Distance to nearest well permitted/completed in the same formation(BHL): 926 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.)
Niobrara-Codell	NB-CD		80	N/2NW/4

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):

Section 25: N/2NW/4 - lease date: 4/11/11 - Recorded 5/20/11 - Reception # 3769747 - 80 Acres

25. Distance to Nearest Mineral Lease Line: 180 ft 26. Total Acres in Lease: 80

### 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
SURF	12+1/8	8+5/8	24	0	700	581	700	0
1ST	7+7/8	4+1/4	11.6	0	7,435	265	7,435	6,645

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

33. Comments Conductor casing will not be set. A total of four wells will be drilled from this location, O-I 25-11-6 (Doc #400232975), O-I 23-44-22 (Doc #400233115), O-I 25-11 (Doc #400233240), and O-I 25-21 (Doc #400236796). Production casing cement will be 200' above the Niobrara. Request for Location Exception Rule 318A(a) has been submitted with this permit along with waiver letter. 30 day noticed waived in SUA.

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: Janni Keidel

Title: Permit & Reg. Analysis Date: 2/6/2012 Email: jkeidel@gwogco.com

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: 2/29/2012

**API NUMBER**

05 123 35175 00

Permit Number: \_\_\_\_\_ Expiration Date: 2/27/2014

**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) 2) Provide 24 hour notice of MIRU to COGCC inspector Jim Precup via e-mail at james.precup@state.co.us Indicate Spud Notice in the subject line and provide the following information: Operator Name, Well Name and Number, API #, Spud Date, Contact Name, Contact Phone #, E-mail Address.
- 2) Comply with Rule 317.i and provide cement coverage from TD to a minimum of 200' above Niobrara and from 200' below Sussex to 200' above Sussex. Verify coverage with cement bond log.
- 3) 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.

Operator must meet water well testing requirements per Rule 318A.

### Attachment Check List

Att Doc Num	Name
1771581	
400233240	FORM 2 SUBMITTED
400243423	LOCATION PICTURES
400243424	WELL LOCATION PLAT
400243426	TOPO MAP
400243427	OIL & GAS LEASE
400243429	SURFACE AGRMT/SURETY
400246059	DEVIATED DRILLING PLAN
400246422	LEASE MAP
400246549	DIRECTIONAL DATA
400248752	EXCEPTION LOC WAIVERS
400248754	EXCEPTION LOC REQUEST

Total Attach: 12 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Final Review Completed. No LGD or public comment received.	2/29/2012 9:09:24 AM
Permit	ON HOLD: w/o form 2A.	2/13/2012 1:46:42 PM

Total: 2 comment(s)

## BMP

<u>Type</u>	<u>Comment</u>
Drilling/Completion Operations	<p>Great Western Oil &amp; Gas Company, LLC - Best Management Practices - Summary Storm water management Plans (SWMP) will be in place to address construction, drilling and operations associated with Oil and Gas development throughout the state of Colorado in accordance with Colorado Department of Public Health (CDPHE). BMP's will be constructed around the perimeter of the site prior to or at the beginning of construction; BMP's used will vary according to the location, and will remain in place until the pad reaches final reclamation.</p> <p>Spill Prevention Control and Counter Measures (SPCC) plans will be in place to address any possible spills associated with Oil and Gas operations throughout the state of Colorado in accordance with CFR 112. In accordance with COGCC Rule 1002.f. (2)A. &amp; B., shall provide a designated storage area for dry bulk chemicals and miscellaneous fluids. The storage area shall be covered to prevent contact of precipitation with chemicals, shall be elevated above storm- or standing water, and shall provide sufficient containment to prevent release of spilled fluids or chemicals from impacting soil, surface water or groundwater and will prevent the co-mingling of spilled fluids or chemicals with other E &amp; P Waste.</p> <p>Housekeeping will consist of neat and orderly storage of materials and fluids. Wastes will be temporarily stored in sealed containers and regularly collected and disposed of at offsite, suitable facilities. If spills occur prompt cleanup is required to minimize any commingling of waste materials with storm water runoff. Routine maintenance will be limited to fueling and lubrication of equipment. Drip pans will be used during routine fueling and maintenance to contain spills or leaks. Any waste product from maintenance will be containerized and transported offsite for disposal or recycling, There will be no major equipment overhauls conducted onsite. Equipment will be transported offsite for major overhauls. Cleanup will consist of patrolling the roadways, access areas, and other work areas to pick up trash, scrap debris, other discarded materials, and any contaminated soil. These materials will be disposed of properly and promptly.</p>

Total: 1 comment(s)