

FORM
2Rev
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 ☒ COMMINGLE ☒

 Refiling ☐
 Sidetrack ☐

Document Number:

400232975

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: 25-11-6

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

9. Proposed Total Measured Depth: 7524

WELL LOCATION INFORMATION

10. QtrQtr: SESE Sec: 23 Twp: 6N Rng: 67W Meridian: 6

Latitude: 40.465710 Longitude: -104.852080

 Footage at Surface: 190 feet FNL/FSL 180 feet FEL/FWL
 FSL FEL

11. Field Name: LaPoudre Field Number: 48125

12. Ground Elevation: 4722 13. County: WELD

14. GPS Data:

Date of Measurement: 09/08/2011 PDOP Reading: 3.0 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
 1319 FNL 0 FWL 1319 FNL 0 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: 271 ft

18. Distance to nearest property line: 180 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 830 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-Codell	NB-CD		160	GWA

21. Mineral Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian Lease #: _____22. Surface Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian23. 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 ☐ No23b. 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):

N/2NW/4 Section 25 T6N-R67W- 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+1/4	8+5/8	24	0	700	581	700	0
1ST	7+7/8	4+1/2	11.6	0	7,525	267	7,525	6,729

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 #23-44-22), O-I 25-11 (Doc #400233240), and O-I 25-21 (Doc #400236796). Production 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.PROPOSED SPACING UNIT - Sec 25:W/2NW/4 & Sec 26:E/2NE/4.

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. Analyst

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 35174 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
1694767	WAIVERS
1694768	PROPOSED SPACING UNIT
1694769	PROPOSED SPACING UNIT
1771581	SURFACE CASING CHECK
400232975	FORM 2 SUBMITTED
400243214	LOCATION PICTURES
400243215	WELL LOCATION PLAT
400243216	OIL & GAS LEASE
400243217	SURFACE AGRMT/SURETY
400246057	TOPO MAP
400246424	LEASE MAP
400246545	DIRECTIONAL DATA
400248647	DEVIATED DRILLING PLAN
400248653	EXCEPTION LOC WAIVERS
400248668	EXCEPTION LOC REQUEST

Total Attach: 15 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 9:06:42 AM
Permit	Received and attached 30 day cert letter/proposed spacing unit map and signed waiver. Ok to pass.	2/29/2012 9:06:27 AM
Permit	ON HOLD: requesting 30 day cert letter and proposed spacing unit map and signed waiver. changed spacing unit to 160, GWA. Added "PROPOSED SPACING UNIT- Sec 25:W/2NW/4 & Sec 26:E/2NE/4." to operator comments.	2/13/2012 1:52:23 PM
Permit	Operator corrected BHL. This form has passed completeness.	2/7/2012 4:25:48 PM
Permit	Returned to draft. BHL does not match plat.	2/7/2012 10:07:15 AM

Total: 5 comment(s)

BMP

<u>Type</u>	<u>Comment</u>
Drilling/Completion Operations	<p>Great Western Oil & Gas Company, LLC - Best Management Practices - Summary</p> <p>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. & 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 & 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)