

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 ☐

Refiling ☐  
Sidetrack ☐

Document Number:

2557111

Plugging Bond Surety

20090080

3. Name of Operator: GREAT WESTERN OIL & GAS COMPANY LLC

4. COGCC Operator Number: 10110

5. Address: 503 MAIN ST

City: WINDSOR State: CO Zip: 80550

6. Contact Name: JEFF REALE Phone: (970)686-8831 Fax: (866)413-3354

Email: JREALE@GWOGCO.COM

7. Well Name: NEW CACHE Well Number: 8-43

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

9. Proposed Total Measured Depth: 7250

WELL LOCATION INFORMATION

10. QtrQtr: SWSE Sec: 8 Twp: 6N Rng: 63W Meridian: 6

Latitude: 40.497390 Longitude: -104.456520

Footage at Surface: 1249 FNL/FSL FSL 1429 FEL/FWL FEL

11. Field Name: WATTENBERG Field Number: 90750

12. Ground Elevation: 4689 13. County: WELD

14. GPS Data:

Date of Measurement: 03/15/2010 PDOP Reading: 2.0 Instrument Operator's Name: E. HERNANDEZ

15. If well is ☒ Directional ☐ Horizontal (highly deviated) **submit deviated drilling plan.**

Footage at Top of Prod Zone: FNL/FSL 1983 FSL 657 FEL FEL Bottom Hole: FNL/FSL 1983 FSL 657 FEL FEL  
Sec: 8 Twp: 6N Rng: 63W Sec: 8 Twp: 6N Rng: 63W

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: 1370 ft

18. Distance to nearest property line: 48 ft 19. Distance to nearest well permitted/completed in the same formation: 20 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		80	E/2SE/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 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 THAT PART OF THE E/2 SE/4 LYING NORTH OF HWY 392, SECTION 8, T6N, R63W, 6TH PM

25. Distance to Nearest Mineral Lease Line: 48 ft 26. Total Acres in Lease: 75

### 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	8+5/8	24	460	265	460	0
1ST	7+7/8	4+1/2	11.6	7,250	200	7,250	6,300

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

33. Comments CONDUCTOR CASING WILL NOT BE SET. 30-DAY NOTICE WAIVER IN SUA. PROPOERTY LINE EXCEPTION GRANTED.

34. Location ID: 309871

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: JEFF REALE

Title: VP OPERATIONS Date: 4/15/2010 Email: JREALE@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: David S. Neslin Director of COGCC Date: 6/4/2010

#### API NUMBER

05 123 31704 00

Permit Number: \_\_\_\_\_ Expiration Date: 6/3/2012

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.**

COGCC ENG COA – SME 1) Provide 24 hr notice of MIRU to Bo Brown at 970-392-4124 or e-mail at bo.brown@state.co.us.

2) 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 production casing is set, cement coverage shall be at a minimum from the production casing shoe to 200' above Niobrara. Verify all placed cement with 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	Doc Description
2553109	EXCEPTION LOC WAIVERS	LF@2459102 2553109
2553110	EXCEPTION LOC REQUEST	LF@2459101 2553110
2557111	APD ORIGINAL	LF@2457818 2557111
2557112	WELL LOCATION PLAT	LF@2457819 2557112
2557113	TOPO MAP	LF@2457847 2557113
2557114	SURFACE AGRMT/SURETY	LF@2457851 2557114
2557115	30 DAY NOTICE LETTER	LF@2457820 2557115
2557116	DEVIATED DRILLING PLAN	LF@2457821 2557116

Total Attach: 8 Files