

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:
400188628

PluggingBond SuretyID
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: Lisa Pfizenmaier Phone: (970)686-8831 Fax: ()
Email: lpfizenmaier@gwogco.com

7. Well Name: Bower Well Number: 10-24

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

9. Proposed Total Measured Depth: 7500

WELL LOCATION INFORMATION

10. QtrQtr: SESW Sec: 10 Twp: 6N Rng: 67W Meridian: 6
Latitude: 40.496020 Longitude: -104.881870

Footage at Surface: _____ feet FNL/FSL _____ feet FEL/FWL _____ feet

11. Field Name: Severance Field Number: 77030

12. Ground Elevation: 4857 13. County: WELD

14. GPS Data:
Date of Measurement: 06/20/2011 PDOP Reading: 2.4 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

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: 505 ft

18. Distance to nearest property line: 278 ft 19. Distance to nearest well permitted/completed in the same formation: 837 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	407-87	80	E/2SW/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):
 Lot B of Recorded Exemption No. 0807-10-4-RE-291, being part of the E/2 SW/4, sec.10, T6N-R67W, Rec. 1/11/78, as Rec # 1741243

25. Distance to Nearest Mineral Lease Line: 278 ft 26. Total Acres in Lease: 76

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	490	300	490	0
1ST	7+7/8	4+1/2	11.6	0	7,500	350	7,500	6,400

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. No changes or improvements have been made within 500ft. of the proposed wellhead location in the past year. Please change well name from Bower-Jacobi 10-24 to Bower 10-24.

34. Location ID: 302718

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: Lisa Pfizenmaier

Title: Permitting Technician Date: 7/22/2011 Email: lpfizenmaier@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: 8/21/2011

API NUMBER
05 123 29688 00

Permit Number: _____ Expiration Date: 8/20/2013

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) Note surface casing setting depth change from 400' to 490'. Increase cement coverage accordingly and cement to surface.
- 2) Provide 24 hour notice of MIRU to Bo Brown at e-mail bo.brown@state.co.us.
- 3) Comply with Rule 317.i and provide cement coverage from TD to a minimum of 200' above Niobrara. Verify coverage with cement bond log.

Attachment Check List

Att Doc Num	Name
400188628	FORM 2 SUBMITTED
400188648	PLAT
400188649	TOPO MAP
400188650	SURFACE AGRMT/SURETY

Total Attach: 4 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	changed Unit configuration from E/2, SW/4 to E/2SW/4 to equal 80 acres.	3/2/2011 3:14:21 PM

Total: 1 comment(s)

BMP

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

Total: 0 comment(s)