

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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Document Number:

2583777

Plugging Bond Surety

20090080

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 ☐

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: HEINZE Well Number: 31-14

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

9. Proposed Total Measured Depth: 7300

WELL LOCATION INFORMATION

10. QtrQtr: SESW Sec: 31 Twp: 7N Rng: 63W Meridian: 6

Latitude: 40.524640 Longitude: -104.481850

Footage at Surface: 689 FNL/FSL FSL 1938 FEL/FWL FWL

11. Field Name: WATTENBERG Field Number: 90750

12. Ground Elevation: 4743 13. County: WELD

14. GPS Data:

Date of Measurement: 08/17/2010 PDOP Reading: 2.0 Instrument Operator's Name: R. GABRIEL

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

Footage at Top of Prod Zone: FNL/FSL 665 FSL 649 FWL 665 FSL 649 FWL
Sec: 31 Twp: 7N Rng: 63W Sec: 31 Twp: 7N 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: 665 ft

18. Distance to nearest property line: 689 ft 19. Distance to nearest well permitted/completed in the same formation: 913 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	W/2SW4

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):
S/2 (EXCEPT UPRR RES.) SEC. 31, T7N, R63W, 6TH PM, WELD COUNTY CO.

25. Distance to Nearest Mineral Lease Line: 649 ft 26. Total Acres in Lease: 316

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	500	265	500	0
1ST	7+7/8	4+1/2	11.6	7,300	525	7,300	3,000

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

33. Comments CONDUCTOR CASING WILL NOT BE SET. 30 DAY LETTER WAIVED IN SUA. NOT CHANGES OR IMPROVEMENTS HAVE BEEN MADE WITHIN 500 FT OF THE PROPOSED WELLHEAD LOCATION IN THE PAST YEAR. SURFACE LOC MOVED TO AVOID SEASONAL WATER ACCUMULATIONS

34. Location ID: 302765

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: 8/18/2010 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. Nashin Director of COGCC Date: 9/8/2010

API NUMBER

05 123 32191 00

Permit Number: _____ Expiration Date: 9/7/2012

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 spud to Bo Brown at 970-330-6085 or email at bo.brown@state.co.us.

2) Set surface casing per Rule 317d, cement to surface. 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 Niobrara. Verify coverage with cement bond log.

4) If dry hole, 40 sks cement 50' above Niobrara top, 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 surface location.

Attachment Check List

Att Doc Num	Name	Doc Description
2529499	WAIVERS	LF @ 2536486 2529499
2529500	EXCEPTION LOC REQUEST	LF @ 2536487 2529500
2529505	WAIVERS	LF @ 2536890 2529505
2529506	WAIVERS	LF @ 2536894 2529506
2583777	APD ORIGINAL	LF @ 2526676 2583777
2583778	WELL LOCATION PLAT	LF @ 2526677 2583778
2583779	TOPO MAP	LF @ 2526680 2583779
2583780	SURFACE AGRMT/SURETY	LF @ 2526678 2583780
2583781	DEVIATED DRILLING PLAN	LF @ 2526679 2583781

Total Attach: 9 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Variance to rule 303L2 (20 day comment period) approved by the Director	9/7/2010 2:52:51 PM
Permit	Original location for well is under water. Surface will be moved to existing pad location and directionally drilled to the same bottom hole location. Amended form 2A sent with permit.	8/25/2010 8:22:26 AM

Total: 2 comment(s)

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