

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 ☐

Refilling ☐
Sidetrack ☐

Document Number:

2592605

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: APPALOOSA Well Number: 33-13

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

9. Proposed Total Measured Depth: 7650

WELL LOCATION INFORMATION

10. QtrQtr: NESW Sec: 33 Twp: 7N Rng: 65W Meridian: 6

Latitude: 40.527750 Longitude: -104.672190

Footage at Surface: 1455 feet FNL/FSL FSL 1536 feet FEL/FWL FWL

11. Field Name: EATON Field Number: 19350

12. Ground Elevation: 4787 13. County: WELD

14. GPS Data:

Date of Measurement: 09/14/2010 PDOP Reading: 2.3 Instrument Operator's Name: C. VAN MATRE

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

Footage at Top of Prod Zone: FNL/FSL 1901 FSL 658 FWL FWL Bottom Hole: FNL/FSL 1901 FSL 658 FWL FWL
Sec: 33 Twp: 7N Rng: 65W Sec: 33 Twp: 7N Rng: 65W

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: 380 ft

18. Distance to nearest property line: 152 ft 19. Distance to nearest well permitted/completed in the same formation: 1000 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/2, SW/4

21. Mineral Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian Lease #: 3727693

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):
 LOTS 3, 13, 18 AND 21, APPALOOSA ACRES ESTATES PUD, SECTION 33, T7N, R65W, 6TH PM, WELD COUNTY, COLORADO

25. Distance to Nearest Mineral Lease Line: 152 ft 26. Total Acres in Lease: 4

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	530	300	530	0
1ST	7+7/8	4+1/2	11.6	0	7,650	365	7,650	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.

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: JEFF REALE

Title: VP OPERATIONS Date: 1/14/2011 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: 2/25/2011

API NUMBER

05 123 33003 00

Permit Number: _____ Expiration Date: 2/24/2013

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) Provide 24 hour notice of MIRU to Ed Binkley at 970-506-9834 or e-mail at ed.binkley@state.co.us
- 2) Set at least 530' of surface casing, cement to surface.
- 3) Provide cement coverage from TD to a minimum of 200' above Niobrara. Verify coverage with cement bond log.
- 4) Run and submit Directional Survey from TD to base of surface casing. Ensure wellbore complies with setback requirements in commission orders or rules prior to producing the well.

Attachment Check List

Att Doc Num	Name
2592605	APD ORIGINAL
2592606	WELL LOCATION PLAT
2592607	TOPO MAP
2592608	SURFACE AGRMT/SURETY
2592609	DEVIATED DRILLING PLAN

Total Attach: 5 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	---OPERATOR MAY SEND LAND MAN TO INVESTIGATE CHANGE TO HIGH DENSITY	1/25/2011 11:25:53 AM
Permit	CHANGED TO HIGH DENSITY; 20 CONSTRUCTED AND PLATTED UNITS WITHIN 1000 FEET. NO WAIVERS NECESSARY SINCE NONE OF THE BUILDING UNITS WITHIN 350 FEET OF THE WELLS.	1/24/2011 1:35:31 PM
Permit	---==Note-603.a.(2) for as drilled well location compliance pertaining to lack of exception request.	1/24/2011 12:59:44 PM

Total: 3 comment(s)

BMP

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

Total: 0 comment(s)