

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:
400242519

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: Raindance Well Number: 30-44

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

9. Proposed Total Measured Depth: 7536

WELL LOCATION INFORMATION

10. QtrQtr: SESE Sec: 30 Twp: 6n Rng: 67W Meridian: 6
Latitude: 40.451210 Longitude: -104.928440

Footage at Surface: 188 feet FSL 540 feet FEL

11. Field Name: Wattenberg Field Number: 90750

12. Ground Elevation: 4985 13. County: WELD

14. GPS Data:
Date of Measurement: 12/28/2011 PDOP Reading: 2.5 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

643 FSL 618 FEL 643 FSL 618 FEL

Sec: 30 Twp: 6N Rng: 67W Sec: 30 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: 580 ft

18. Distance to nearest property line: 188 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 1752 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	160	S/2,SE/4 SEC. 30

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):

Lease map for Rec #3776517, Sec. 30: SE/4, Lot 1 (80.00) aka E/2SW/4 and Lot 2 (74.00) aka W/2SW/4 (also described as S/2), LESS a 2.57 acre parcel conveyed to the Town of Windsor in Rec. # 1781453 of the Weld County Records. Great Western owns the mineral rights.

25. Distance to Nearest Mineral Lease Line: 235 ft 26. Total Acres in Lease: 311

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	600	498	600	0
1ST	7+7/8	4+1/2	11.6	0	7,536	267	7,536	6,742

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

33. Comments A total of 4 wells will be drilled from this location: Raindance 30-54 (Doc#400242479), Raindance 30-34 (Doc#400242578), Raindance 30-43 (Doc #400242567). Surface Exception Waiver letter has been executed without protest from surface owner submitted with this permit for approval. Great Western Oil & Gas owns the mineral rights. Production Casing cement will be minimum 200' above the Niobrara on all wells.

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: _____ 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: _____

API NUMBER

05

Permit Number: _____ Expiration Date: _____

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.

Attachment Check List

Att Doc Num	Name
400242538	WELL LOCATION PLAT
400242539	TOPO MAP
400242540	DEVIATED DRILLING PLAN
400243622	SURFACE AGRMT/SURETY
400243625	DIRECTIONAL DATA
400243676	MINERAL LEASE MAP
400243899	EXCEPTION LOC WAIVERS

Total Attach: 7 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>

Total: 0 comment(s)

BMP

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

Total: 0 comment(s)