

**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:  
400242567

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: 30-43

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

9. Proposed Total Measured Depth: 7783

**WELL LOCATION INFORMATION**

10. QtrQtr: SESE      Sec: 30      Twp: 6N      Rng: 67W      Meridian: 6  
Latitude: 40.451210      Longitude: -104.928370

Footage at Surface: 188 feet FSL      520 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: 1.8      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

1928      FSL      624      FEL      1928      FSL      624      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: 560 ft

18. Distance to nearest property line: 188 ft      19. Distance to nearest well permitted/completed in the same formation(BHL): 1231 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/2SE1/4 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: 624 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	601	500	601	0
1ST	7+7/8	4+1/2	11.6	0	7,783	267	7,783	6,989

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 30-44 (Doc#400242519), Raindance 30-34 (Doc #400242578). Surface Exception Waiver letter has been executed without protest from surface owner, and 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
400242574	WELL LOCATION PLAT
400242575	TOPO MAP
400242576	DEVIATED DRILLING PLAN
400242746	SURFACE AGRMT/SURETY
400243626	DIRECTIONAL DATA
400243900	EXCEPTION LOC WAIVERS
400243903	MINERAL LEASE MAP

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)