

**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:  
400194555

PluggingBond SuretyID  
20080107

3. Name of Operator: QUICKSILVER RESOURCES INC      4. COGCC Operator Number: 10255

5. Address: 801 CHERRY ST - #3700 UNIT 19  
City: FT WORTH      State: TX      Zip: 76102

6. Contact Name: Lisa Smith      Phone: (303)857-9999      Fax: (303)450-9200  
Email: LSPermitco@aol.com

7. Well Name: K-Diamond Ranch      Well Number: 32-10

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

9. Proposed Total Measured Depth: 6850

**WELL LOCATION INFORMATION**

10. QtrQtr: SWNE      Sec: 10      Twp: 6N      Rng: 93W      Meridian: 6  
Latitude: 40.486542      Longitude: -107.816228

Footage at Surface:      2211      feet      FNL      1700      feet      FEL

11. Field Name: Wildcat      Field Number: 99999

12. Ground Elevation: 6257      13. County: MOFFAT

14. GPS Data:  
Date of Measurement: 05/25/2011      PDOP Reading: 1.0      Instrument Operator's Name: Glenn McElroy

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: 520 ft

18. Distance to nearest property line: 1752 ft      19. Distance to nearest well permitted/completed in the same formation(BHL): 5280 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               | NBRR           |                         |                               |                                      |

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):

See Attached Lease.

25. Distance to Nearest Mineral Lease Line: 1700 ft 26. Total Acres in Lease: 11330

### 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 |
|-------------|--------------|----------------|-------|---------------|---------------|-----------|---------|---------|
| CONDUCTOR   | 20           | 16             |       | 0             | 40            |           | 40      | 0       |
| SURF        | 12+1/4       | 9+5/8          | 36    | 0             | 3,400         | 1,050     | 3,400   | 0       |
| 1ST         | 8+3/4        | 5+1/2          | 20    | 0             | 6,850         | 685       | 6,850   | 2,000   |

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

33. Comments \_\_\_\_\_

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: Lisa Smith

Title: Authorized Agent Date: 9/7/2011 Email: LSPermitco@aol.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: 10/21/2011

|                   |
|-------------------|
| <b>API NUMBER</b> |
| 05 081 07692 00   |

Permit Number: \_\_\_\_\_ Expiration Date: 10/20/2013

**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) COMPLIANCE WITH THE MOST CURRENT REVISION OF THE NORTHWEST COLORADO NOTIFICATION POLICY IS REQUIRED.

2) THE PROPOSED SURFACE CASING IS MORE THAN 50' BELOW THE DEPTH OF THE DEEPEST WATER WELL WITHIN 1 MILE OF THE SURFACE LOCATION WHEN CORRECTED FOR ELEVATION DIFFERENCES. THE DEEPEST WATER WELL WITHIN 1 MILE IS 13 FEET DEEP.

Before placing oil/salt based muds in the pit, operator must file and receive prior approval of a Pit Permit, Form 15. COGCC regulations regarding pit permits can be found in Rule 903.a.(3).

**Attachment Check List**

| Att Doc Num | Name                    |
|-------------|-------------------------|
| 400194555   | FORM 2 SUBMITTED        |
| 400203162   | LEGAL/LEASE DESCRIPTION |
| 400203164   | WELL LOCATION PLAT      |
| 400203166   | SURFACE AGRMT/SURETY    |

Total Attach: 4 Files

**General Comments**

| <b><u>User Group</u></b> | <b><u>Comment</u></b>  | <b><u>Comment Date</u></b> |
|--------------------------|--|----------------------------|
| Permit                   | LGD/pub. comm. waived.<br>Final Comprehensive Review Status--passed. | 10/20/2011<br>11:00:01 AM  |
| Permit                   | permitting ready to approve once comment period expires 9/27         | 9/21/2011<br>4:20:21 PM    |

Total: 2 comment(s)

**BMP**

| <b><u>Type</u></b> | <b><u>Comment</u></b> |
|--------------------|-----------------------|
|                    |                       |

Total: 0 comment(s)