

**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:  
400184075

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: Pamela Osburn      Phone: (817)665-4918      Fax: (817)665-5009  
Email: posburn@qrinc.com

7. Well Name: CAMILLETTI      Well Number: 21-10

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

9. Proposed Total Measured Depth: 5060

**WELL LOCATION INFORMATION**

10. QtrQtr: SE NW      Sec: 10      Twp: 6N      Rng: 86W      Meridian: 6  
Latitude: 40.496633      Longitude: -107.021083

Footage at Surface: \_\_\_\_\_ feet      FNL/FSL \_\_\_\_\_ feet      FEL/FWL \_\_\_\_\_ feet

11. Field Name: WILDCAT      Field Number: 99999

12. Ground Elevation: 6663      13. County: ROUTT

14. GPS Data:  
Date of Measurement: 08/12/2011      PDOP Reading: 2.2      Instrument Operator's Name: Uintah Engineering

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: 3530 ft

18. Distance to nearest property line: 935 ft      19. Distance to nearest well permitted/completed in the same formation(BHL): 7000 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 mineral lease

25. Distance to Nearest Mineral Lease Line: 1345 ft 26. Total Acres in Lease: 2770

### 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            |           |         |         |
| SURF        | 12+1/4       | 9+5/8          | 36    | 0             | 1,200         | 395       | 1,200   | 0       |
| 1ST         | 8+3/4        | 7              | 26    | 0             | 3,630         | 315       | 3,630   | 0       |
| 2ND         | 6+1/8        | 4+1/2          | 13.5  | 0             | 5,060         | 160       | 5,060   | 2,630   |

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: Pamela Osburn

Title: Sr. Regulatory Analyst

Date: 11/4/2011

Email: posburn@qvinc.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. Nesline

Director of COGCC

Date: 12/11/2011

#### API NUMBER

05 107 06246 00

Permit Number: \_\_\_\_\_ Expiration Date: 12/10/2013

#### 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 340 FEET DEEP.

Before placing oil/salt based muds in a 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). PIT PERMITTING/REPORTING REQUIREMENTS.

### **Attachment Check List**

| Att Doc Num | Name                 |
|-------------|----------------------|
| 400184075   | FORM 2 SUBMITTED     |
| 400221006   | OIL & GAS LEASE      |
| 400221007   | OIL & GAS LEASE      |
| 400221008   | OIL & GAS LEASE      |
| 400221009   | WELL LOCATION PLAT   |
| 400221296   | SURFACE AGRMT/SURETY |

Total Attach: 6 Files

**General Comments**

| <b>User Group</b> | <b>Comment</b>  | <b>Comment Date</b>       |
|-------------------|---|---------------------------|
| Permit            | No public or LGD comments<br>Comprehensive Final Review status -- Passed<br>Corrected formation code  | 12/8/2011<br>11:58:59 AM  |
| OGLA              | <p>Comment received via e-mail from LGD on 11/23/11:</p> <p>Camilletti 21-10<br/>Quicksilver Resources<br/>Doc #400184075<br/>Routt County LGD Comments</p> <p>This is the first application for other wells planned in this area. The site is directly north of the Community of Milner which has approximately 98 residences served by individual wells as their water source. There are also other residences located W and E of this well site that are served by water wells. Routt County is concerned that this community is protected from increased noise, air pollution, traffic, contamination of water sources, etc. The applicant should develop monitoring systems for these concerns and mitigation measures established and maintained during the life of the well.</p> <p>There is also a stream and an agriculture water source to the east of the proposed well site. Any access roads and the well pad must have comprehensive a BMP plan and continually monitored for protection of these water sources from erosion and contaminants.</p> <p>There are wildlife concerns at the site and all wildlife mitigation measures should be adhered to.</p> <p>The property is used for agriculture and grazing and is fenced along US 40. Access from US 40 should be designed to allow large equipment and vehicles to completely clear the traveled way off of the highway (the length of the largest vehicle) before reaching fencing, gates or cattleguards. If gates are used, at no time should they be left open.</p> <p>Fencing of the well pad or all equipment and containment areas is suggested to keep cattle from rubbing on equipment and destroying berms and containment areas. Due to wildlife and cattle operations there shall be no unfenced pits at any time.</p> | 11/28/2011<br>11:13:44 AM |
| Permit            | Changed surface and property line distances to match values reported on the OGLA  | 11/9/2011<br>9:23:01 AM   |
| Permit            | Operator corrected SHL. Form has passed completeness.   | 11/7/2011<br>10:21:45 AM  |
| Permit            | Returned to draft. Incorrect SHL.   | 11/7/2011<br>7:56:49 AM   |

Total: 5 comment(s)

**BMP**

| <b>Type</b>                 | <b>Comment</b>   |
|-----------------------------|--|
| Storm Water/Erosion Control | Diversion Ditch, Erosion Control Blanket, Inlet Protection, Sediment Control Log, Silt Fence, Surface Roughening, Limits of Construction, Earthen Berm |

Total: 1 comment(s)