

FORM  
2

Rev  
12/05

State of Colorado  
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

400269782

Date Received:

05/07/2012

PluggingBond SuretyID

20080107

APPLICATION FOR PERMIT TO:

1.  Drill,  Deepen,  Re-enter,  Recomplete and Operate

2. TYPE OF WELL

OIL  GAS  COALBED  OTHER Lateral  
SINGLE ZONE  MULTIPLE  COMMINGLE

Refiling   
Sidetrack

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: WELKER Well Number: 21-12H

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

9. Proposed Total Measured Depth: 8300

WELL LOCATION INFORMATION

10. QtrQtr: NE NW Sec: 12 Twp: 6N Rng: 92W Meridian: 6

Latitude: 40.488903 Longitude: -107.670294

Footage at Surface: 1320 feet FNL 1980 feet FWL

11. Field Name: WILDCAT Field Number: 99999

12. Ground Elevation: 6437 13. County: MOFFAT

14. GPS Data:

Date of Measurement: 02/15/2012 PDOP Reading: 1.3 Instrument Operator's Name: UINTAH ENGINEERING

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

Footage at Top of Prod Zone: 1743 FNL 1759 FWL Bottom Hole: 1320 FSL 600 FWL  
Sec: 12 Twp: 6N Rng: 92W Sec: 12 Twp: 6n Rng: 92w

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: 1474 ft

18. Distance to nearest property line: 659 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 3000 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	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):

Multiple leases: W/2W/2 Sec. 12 -T6N-92W, Moffat Co. and other lands. E/2W/2 Sec. 12:T6n-R92W, Moffat Co. and other lands.

25. Distance to Nearest Mineral Lease Line: 0 ft 26. Total Acres in Lease: 1110

### 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+1/2	9+5/8	36	0	1,200	395	1,200	0
1ST	8+3/4	7	26	0	6,500	600	6,500	0
2ND	6+1/8	4+1/2	11.6	5500	9,923	320	9,923	5,500

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 S. OSBURN

Title: SR. REGULATORY ANALYST

Date: 5/7/2012

Email: posburn@qrenc.com

Operator must have a valid water right or permit allowing for industrial use or purchased water from a seller that has a valid water right or permit allowing for industrial use, otherwise an application for a change in type of use is required under Colorado law. Operator must also use the water in the location set forth in the water right decree or well permit, otherwise an application for a change in place of use is required under Colorado law. Section 37-92-103(5), C.R.S. (2011).

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: 8/7/2012

API NUMBER

05 081 07741 01

Permit Number: \_\_\_\_\_ Expiration Date: 8/6/2014

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) PROVIDE CEMENT COVERAGE FROM THE INTERMEDIATE CASING SHOE TO A MINIMUM OF 200' ABOVE TOP OF GAS [OR OTHER SHALLOWEST-KNOWN PRODUCING HORIZON]. VERIFY CEMENT WITH A CEMENT BOND LOG.
- 3) PRODUCTION CASING CEMENT TOP VERIFICATION BY CBL REQUIRED.
- 4) 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 620 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
400269782	FORM 2 SUBMITTED
400270521	SURFACE AGRMT/SURETY
400270959	WELL LOCATION PLAT
400282106	LEGAL/LEASE DESCRIPTION
400282107	LEGAL/LEASE DESCRIPTION
400282108	LEGAL/LEASE DESCRIPTION
400282109	LEGAL/LEASE DESCRIPTION
400282110	LEGAL/LEASE DESCRIPTION
400282112	DEVIATED DRILLING PLAN
400282113	DIRECTIONAL DATA
400282192	LEGAL/LEASE DESCRIPTION
400282193	LEGAL/LEASE DESCRIPTION
400282194	LEGAL/LEASE DESCRIPTION
400282196	LEGAL/LEASE DESCRIPTION
400282197	LEGAL/LEASE DESCRIPTION

Total Attach: 15 Files

**General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	added related 2A, corrected long. to agree w/ attached plat; per oper.'s instructions, changed lease description & acreage. Per oper.'s instructions, oper. plans to pool mineral interests located within the 600' buffer of the productive portion of the wellbore. Oper. has 100% of mineral interests. No LGD or public comments. Final Review--passed.	6/15/2012 11:09:42 AM
Permit	Operator answered 2b, 19, 36, corrected directional information, and O&G leases. This form has passed completeness.	5/8/2012 12:18:02 PM
Permit	Returned to draft. Missing 2b, #19, #36, directional information, and O&G leases are for a different section.	5/8/2012 7:33:22 AM

Total: 3 comment(s)

**BMP**

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

Total: 0 comment(s)