

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:
400177989

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: Wilhite Well Number: 43-07

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

9. Proposed Total Measured Depth: 8400

WELL LOCATION INFORMATION

10. QtrQtr: NE SE Sec: 7 Twp: 6N Rng: 90W Meridian: 6
Latitude: 40.490631 Longitude: -107.526692

Footage at Surface: 2053 feet FNL/FSL FSL 568 feet FEL/FWL FEL

11. Field Name: Buck Peak Field Number: 7675

12. Ground Elevation: 6184 13. County: MOFFAT

14. GPS Data:
Date of Measurement: 05/24/2011 PDOP Reading: 1.5 Instrument Operator's Name: McCoy Anderson

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

2053 FSL 568 FEL 2027 FSL 638 FEL

Sec: 7 Twp: 6N Rng: 90W Sec: 7 Twp: 6N Rng: 90W

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: 611 ft

18. Distance to nearest property line: 568 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 4866 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):

Please see attached leases.

25. Distance to Nearest Mineral Lease Line: 638 26. Total Acres in Lease: 497

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		0	0
SURF	12+1/4	9+5/8	36	0	1,200	395	1,200	0
1ST	8+3/4	7	26	0	6,830	650	6,830	1,100
2ND	6+1/8	4+1/2	13.5	0	8,400	195	8,400	5,330

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: President Date: 11/14/2011 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. Nesline Director of COGCC Date: 12/16/2011

API NUMBER
05 081 07709 00

Permit Number: _____ Expiration Date: 12/15/2013

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.

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.

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

2) FIRST STRING MUST BE CEMENTED A MINIMUM OF 100' INTO THE SURFACE CASING TO COMPLY WITH RULES 317.G & I. VERIFY BY CBL.

3) INTERMEDIATE CASING AND 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 3000 FEET DEEP.

Attachment Check List

Att Doc Num	Name
400177989	FORM 2 SUBMITTED
400223545	SURFACE AGRMT/SURETY
400223549	LEGAL/LEASE DESCRIPTION
400223550	LEGAL/LEASE DESCRIPTION
400223551	LEGAL/LEASE DESCRIPTION
400223552	LEGAL/LEASE DESCRIPTION
400223553	LEGAL/LEASE DESCRIPTION
400223554	LEGAL/LEASE DESCRIPTION
400223555	LEGAL/LEASE DESCRIPTION
400223556	LEGAL/LEASE DESCRIPTION
400223557	DEVIATED DRILLING PLAN
400223559	WELL LOCATION PLAT

Total Attach: 12 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	No public or LGD comments Comprehensive Final Review status -- Passed	12/7/2011 11:27:47 AM
Permit	Added commingle as no	11/21/2011 10:59:28 AM

Total: 2 comment(s)

BMP

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

Total: 0 comment(s)