

<b>FORM</b> <b>2</b> Rev 12/05	State of Colorado <b>Oil and Gas Conservation Commission</b> 1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109		DE ET OE ES
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**APPLICATION FOR PERMIT TO:**

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

**2. TYPE OF WELL**

OIL  GAS  COALBED  OTHER \_\_\_\_\_  
 SINGLE ZONE  MULTIPLE ZONE  COMMINGLE ZONE

Refiling   
 Sidetrack

Document Number:  
 400175521  
 Plugging Bond Surety  
 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: Cindy Keister Phone: (817)665-5572 Fax: (817)665-5009  
 Email: ckeister@qinc.com  
 7. Well Name: Gamma State Well Number: 14-15D  
 8. Unit Name (if appl): Sombrero Unit Unit Number: COC 72192X  
 9. Proposed Total Measured Depth: 8652

**WELL LOCATION INFORMATION**

10. QtrQtr: SWSW Sec: 15 Twp: 7N Rng: 93W Meridian: 6  
 Latitude: 40.552503 Longitude: -107.826781  
 Footage at Surface: 660 feet FNL/FSL FSL 661 feet FEL/FWL FWL  
 11. Field Name: Big Gulch Field Number: 6420  
 12. Ground Elevation: 6469 13. County: MOFFAT

14. GPS Data:  
 Date of Measurement: 10/30/2007 PDOP Reading: 2.6 Instrument Operator's Name: Uintah

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: 3900 ft  
 18. Distance to nearest property line: 660 ft 19. Distance to nearest well permitted/completed in the same formation: 3 mi

**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			

**IMPORTANT: SOME DATA FIELDS HAVE BEEN MODIFIED.**

21. Mineral Ownership:  Fee  State  Federal  Indian Lease #: 56/0252-S

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):

25. Distance to Nearest Mineral Lease Line: 661 ft 26. Total Acres in Lease: 454

**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	26	20	0	0	40	110	0	40
SURF	17+1/2	13+3/8	0	0	464	700	0	464
1ST	12+1/4	9+5/8		0	4,193	743	4,195	364
2ND	8+1/2	5+1/2	0	0	8,642	549	8,642	4,340

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

33. Comments There are no changes to the surface or TD of the well. Please see attached for recompletion procedure.

34. Location ID: 313399

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: Cindy Keister

Title: Director Reg Affairs Date: 6/16/2011 Email: ckeister@qrinc.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: 7/8/2011

<b>API NUMBER</b>
05 081 07439 00

Permit Number: \_\_\_\_\_ Expiration Date: 7/7/2013

**CONDITIONS OF APPROVAL, IF ANY:**

**IMPORTANT: SOME DATA FIELDS HAVE BEEN MODIFIED.**

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.

### **Attachment Check List**

Att Doc Num	Name
400175521	FORM 2 SUBMITTED
400175951	OTHER

Total Attach: 2 Files

### **General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	Sherry Lee stated SLB bond requirements have been met	6/27/2011 12:57:03 PM
Permit	Corrected API number Approval pending SLB bond check	6/24/2011 9:59:48 AM
Permit	Back to draft for Plugging bond, location id, clarification of distances #16-19 ft or miles, and answer to #31. sf	6/17/2011 8:12:55 AM

Total: 3 comment(s)

### **BMP**

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

Total: 0 comment(s)