

FORM  
2  
Rev  
12/05

State of Colorado  
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



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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:  
2079319  
Plugging Bond Surety  
20060021

3. Name of Operator: ROSETTA RESOURCES OPERATING LP 4. COGCC Operator Number: 10159

5. Address: 717 TEXAS STE 2800  
City: HOUSTON State: TX Zip: 77002

6. Contact Name: SHAWN HILDRETH Phone: (713)335-4104 Fax: (281)763-2320  
Email: SHAWN.HILDRETH@ROSETTARESOURCE.COM

7. Well Name: DETERDING Well Number: 30-09

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

9. Proposed Total Measured Depth: 2580

WELL LOCATION INFORMATION

10. QtrQtr: NESE Sec: 30 Twp: 1N Rng: 44W Meridian: 6  
Latitude: 40.023070 Longitude: -102.324300

Footage at Surface: 1971 FNL/FSL FSL 598 FEL/FWL FEL

11. Field Name: REPUBLICAN Field Number: 73275

12. Ground Elevation: 3858 13. County: YUMA

14. GPS Data:

Date of Measurement: 10/01/2008 PDOP Reading: 1.7 Instrument Operator's Name: MICHAEL FEIGENBAUM

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: 3330 ft

18. Distance to nearest property line: 598 ft 19. Distance to nearest well permitted/completed in the same formation: 1432 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	318-6	160	SE/4

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 Bon  \$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):  
SE/4, SEC. 30, T1N, R44W, 6TH PM

25. Distance to Nearest Mineral Lease Line: 598 ft 26. Total Acres in Lease: 160

### 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 27 or 28 are yes, is this location in a sensitive area (Rule 903)?  Yes  No **If 28, 29, or 30 are "Yes" a pit permit may be required.**

31. Mud disposal:  Offsite  Onsite

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	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bottom	Cement Top
SURF	9+7/8	7	17	400	180	400	0
1ST	6+1/8	4+1/2	10.5	2,580	90	2,580	2,180

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

33. Comments NO CONDUCTOR CASING WILL BE USED. CONDITIONS ARE THE SAME AS THE LAST SUBMITTAL, THE PAD HAS NOT BEEN BUILT YET. PER S.H. 3 DEC '09. Per Shawn Hildreth w/Rosetta the surface owner has been notified of the re-filing of the permit to drill. 12/29/09 plg.

34. Location ID: 311226

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: SHAWN HILDRETH

Title: REG ANALYST Date: 11/30/2009 Email: SHAWN.HILDRETH@ROSETT

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. Nashin Director of COGCC Date: 1/8/2010

**API NUMBER**  
05 125 11620 00

Permit Number: \_\_\_\_\_ Expiration Date: 1/7/2012

**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) Provide 24 hr notice of spud to Colby Horton at 970-867-2517 or e-mail at colby.horton@state.co.us. 2) Set surface casing at least 50' into Pierre Shale for aquifer coverage, (400' minimum - as proposed). Setting surface casing less than the approved depth is a permit violation unless prior written approval is obtained from the COGCC. 3) If completed, provide cement coverage from TD to a minimum of 200' above Niobrara. Verify coverage with cement bond log. 4) If dry hole, set 35 sks cement 50' above Niobrara top, 35 sks cement ½ out, ½ in surface casing, 10 sks cement at top of surface casing, cut casing 4' below GL, weld on plate, 5 sks cement in rat hole & 5 sks cement in mouse hole.

### **Attachment Check List**

Att Doc Num	Name	Doc Description
2079317	WELL LOCATION PLAT	LF@2183652 2079317
2079318	TOPO MAP	LF@2183653 2079318
2079320	MINERAL LEASE MAP	LF@2183757 2079320
2079321	30 DAY NOTICE LETTER	LF@2183654 2079321
2098497	SURFACE CASING CHECK	LF@2199754 2098497.00000
400018884	FORM 2 SUBMITTED	LF@2192666 400018884
400029790	APD ORIGINAL	LF@2183651 400029790

Total Attach: 7 Files