

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:
1774613
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: ZION Well Number: 05-16

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

9. Proposed Total Measured Depth: 2624

WELL LOCATION INFORMATION

10. QtrQtr: SESE Sec: 5 Twp: 1S Rng: 44W Meridian: 6
Latitude: 39.993650 Longitude: -102.321200

Footage at Surface: 759 FNL/FSL FSL 933 FEL/FWL FEL

11. Field Name: VERNON Field Number: 86500

12. Ground Elevation: 3944 13. County: YUMA

14. GPS Data:

Date of Measurement: 10/01/2008 PDOP Reading: 1.6 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: 729 ft

18. Distance to nearest property line: 759 ft 19. Distance to nearest well permitted/completed in the same formation: 1342 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	315-3	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, SECTION 5, TOWNSHIP 1 SOUTH, RANGE 44 WEST, 6TH PM

25. Distance to Nearest Mineral Lease Line: 759 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	2,624	90	2,624	2,224

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. 4DEC'09. per Shawn Hildreth w/ Rosetta the surface owner has been notified of the re-filing of the permit to drill. 1/12/10 plg.

34. Location ID: 311237

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: 12/2/2009 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: 1/13/2010

API NUMBER
05 125 11631 00

Permit Number: _____ Expiration Date: 1/12/2012

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
1774614	WELL LOCATION PLAT	LF@2185043 1774614
1774615	TOPO MAP	LF@2185044 1774615
1774616	MINERAL LEASE MAP	LF@2185045 1774616
1774617	30 DAY NOTICE LETTER	LF@2185046 1774617
2063579	SURFACE CASING CHECK	LF@2207023 2063579.00000
400019498	FORM 2 SUBMITTED	LF@2196676 400019498
400031632	APD ORIGINAL	LF@2185042 400031632

Total Attach: 7 Files