

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		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:25%;">DE</td> <td style="width:25%;">ET</td> <td style="width:25%;">OE</td> <td style="width:25%;">ES</td> </tr> </table>	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:
 400146762
 Plugging Bond Surety
 20040083

3. Name of Operator: PIONEER NATURAL RESOURCES USA INC 4. COGCC Operator Number: 10084

5. Address: 1401 17TH ST STE 1200
 City: DENVER State: CO Zip: 80202

6. Contact Name: Georgina Kovacic Phone: (303)675-2611 Fax: (303)294-1251
 Email: georgina.kovacic@pxd.com

7. Well Name: COUGAR BOB Well Number: 22-11

8. Unit Name (if appl): Cottontail Unit Unit Number: COC59968A

9. Proposed Total Measured Depth: 2500

WELL LOCATION INFORMATION

10. QtrQtr: SE/NW Sec: 11 Twp: 33S Rng: 67W Meridian: 6
 Latitude: 37.186820 Longitude: -104.858600

Footage at Surface: 2336 feet FNL/FSL FNL 2135 feet FEL/FWL FWL

11. Field Name: Purgatoire River Field Number: 70830

12. Ground Elevation: 7546 13. County: LAS ANIMAS

14. GPS Data:

Date of Measurement: 05/22/2008 PDOP Reading: 2.6 Instrument Operator's Name: R. Coberly

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: 850 ft

18. Distance to nearest property line: 235 ft 19. Distance to nearest well permitted/completed in the same formation: 1565 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.)
Raton/Vermejo	RT-VJ			

IMPORTANT: SOME DATA FIELDS HAVE BEEN MODIFIED.

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):
seea attached

25. Distance to Nearest Mineral Lease Line: 820 ft 26. Total Acres in Lease: 600

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: Drilling pit

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	12+3/4	12+3/4	33.38	0	6			
SURF	11	8+5/8	24	0	360	75	360	0
1ST	7+7/8	5+1/2	15.5.	0	2,500	370	2,500	0

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

33. Comments The conductor casing will be hammered in. Surface casing exception required for 360' COGCC requires surface casing depth of 480' this would leave behind ~8' of net raton, ~12% of net TR coal.

34. Location ID: 309537

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: Georgina Kovacic

Title: Engineering Tech Date: 3/28/2011 Email: georgina.kovacic@pxd.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. Neslin Director of COGCC Date: 5/12/2011

Permit Number: _____ Expiration Date: 5/11/2013

API NUMBER
05 071 09663 00

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) Provide 48 hour notice of MIRU to John Duran at 719-846-4715.
- 2) Provide cement coverage of production casing from TD to surface casing shoe or above. Verify coverage with cement bond log.
- 3) Exception for 360' of surface casing granted. Note: There are 3 water wells from ½-mile to 1-mile of the proposed well location with bottom hole elevations deeper or less than 50' above the proposed surface casing setting depth (Receipt #0312621, #0530191, and #0507574).
- 4) Do not perforate above 470' (200' below WW's w/in ¼ mi - Rcpt #0401917).
- 5) Immediately cease operations and notify the COGCC in the event of any operational problem that could impact water wells in the area.

Attachment Check List

Att Doc Num	Name
1792163	WELL LOCATION PLAT
2112501	SURFACE CASING CHECK
400146762	FORM 2 SUBMITTED
400147208	WELL LOCATION PLAT
400147209	SURFACE AGRMT/SURETY
400147210	30 DAY NOTICE LETTER
400147212	LEGAL/LEASE DESCRIPTION

Total Attach: 7 Files

General Comments

User Group	Comment	Comment Date
Permit	Received corrected well location plat. BY	5/10/2011 2:44:49 PM
Permit	Well location plat has statement about no improvements within 200 feet, emailed Georgina and requested updated plat.	5/10/2011 6:03:12 AM

Total: 2 comment(s)

BMP

Type	Comment
Storm Water/Erosion Control	Diversion ditch will be installed to divert rain water and snow melt. Erosion control devices will be installed to prevent any erosion in the fill part of the location.
Material Handling and Spill Prevention	All drums and totes temporarily stored onsite will be inspected regularly to ensure integrity. Spill response equipment will be located onsite in the event of a spill or release. Pioneer shall investigate all spills to ensure proper clean-up/remediation measures and required reporting protocol is implemented. All spills are reported according to state and federal requirements.
Interim Reclamation	All areas will be recoutoured to the original stage.

Total: 3 comment(s)