

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 ☒

Refilling ☐  
Sidetrack ☐

Document Number:

400076910

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 Kovacik Phone: (303)675-2611 Fax: (303)294-1251

Email: georgina.kovacik@pxd.com

7. Well Name: MODAVI Well Number: 31-16

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

9. Proposed Total Measured Depth: 1705

WELL LOCATION INFORMATION

10. QtrQtr: Lot 9 Sec: 16 Twp: 34S Rng: 65W Meridian: 6

Latitude: 37.091420 Longitude: -104.672930

Footage at Surface: 181 FNL/FSL FNL 1619 FEL/FWL FEL

11. Field Name: Purgatoire River Field Number: 70830

12. Ground Elevation: 7266 13. County: LAS ANIMAS

14. GPS Data:

Date of Measurement: 06/04/2010 PDOP Reading: 8.9 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: 515 ft

18. Distance to nearest property line: 374 ft 19. Distance to nearest well permitted/completed in the same formation: 1385 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	NA		NA

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):  
See Attached

25. Distance to Nearest Mineral Lease Line: 2459 ft 26. Total Acres in Lease: 20000

### 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: 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	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bottom	Cement Top
CONDUCTOR	12+3/4	12+3/4	33.38	6			
SURF	11	8+5/8	24	900	189	900	0
1ST	7+7/8	5+1/2	15.5	1,705	253	253	0

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

33. Comments The conductor will be hammered in. Surface casing exception required for 900 ft due to the COGCC requiring a surface casing depth of 1450 ft, this would leave behind ~15 to 20 ft of net Vermejo or ~100% of Net Kv Coal.

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: Georgina Kovacik

Title: Engineering Tech Date: 9/23/2010 Email: georgina.kovacik@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: 11/4/2010

#### API NUMBER

05 071 09833 00

Permit Number: \_\_\_\_\_ Expiration Date: 11/3/2012

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 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) Note: There are 2 water wells from ½-mile to 1-mile of the proposed well location with TD elevations below or within 50' of the proposed surface casing setting depth (Receipt #0384147 = 400' deep @ 4800' N and #0482048 = 330' deep @ 3600' NE). Exception for 900' of surface casing granted. Otherwise 960' of surface casing would be needed to cover 50' below the TD elevation of all water wells within a 1-mile radius.
- 4) 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	Doc Description
2512707	SURFACE CASING CHECK	LF@2603684 2512707
2586411	MINERAL LEASE MAP	LF@2611983 2586411
2586412	LEGAL/LEASE DESCRIPTION	LF@2611988 2586412
2586417	MINERAL LEASE MAP	LF@2612811 2586417
2586418	LEGAL/LEASE DESCRIPTION	LF@2612812 2586418
400076910	FORM 2 SUBMITTED	LF@2546466 400076910
400076919	30 DAY NOTICE LETTER	LF@2546467 400076919
400094641	WELL LOCATION PLAT	LF@2546468 400094641
400094642	SURFACE AGRMT/SURETY	LF@2546469 400094642
400094644	CONSULT NOTICE	LF@2546470 400094644

Total Attach: 10 Files

### **General Comments**

User Group	Comment	Comment Date
Permit	PERMITTING PASSED- JLV	11/3/2010 9:39:02 AM
Permit	Operator emailed the correct distance to nearest mineral lease line, new attachments to replace the Legal Lease Description and Mineral Lease Map. JLV	11/3/2010 9:08:29 AM
Permit	Called Operator request Lease Description, distance to nearest lease line, total acres in lease, change QTR QTR to Lot 9 JLV	10/28/2010 8:19:15 AM

Total: 3 comment(s)

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