

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:
400074068
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: ICEHOUSE Well Number: 23-34

8. Unit Name (if appl): Spanish Peaks Unit Number: COC57890A

9. Proposed Total Measured Depth: 2250

WELL LOCATION INFORMATION

10. QtrQtr: NE/SW Sec: 34 Twp: 31S Rng: 66W Meridian: 6
 Latitude: 37.300540 Longitude: -104.772450

Footage at Surface: 2217 FNL/FSL FSL 1500 FEL/FWL FWL

11. Field Name: Purgatoire River Field Number: 70830

12. Ground Elevation: 7168 13. County: LAS ANIMAS

14. GPS Data:

Date of Measurement: 06/04/2010 PDOP Reading: 7.3 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: 1770 ft

18. Distance to nearest property line: 175 ft 19. Distance to nearest well permitted/completed in the same formation: 1600 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			

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#: 20040084

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: 175 ft 26. Total Acres in Lease: 417

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	750	157	750	0
1ST	7+7/8	5+1/2	15.5	2,250	333	2,250	0

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

33. Comments Surface casing exception required for 750 ft due to COGCC requiring a surface casing depth of 855 ft, this would leave behind ~5ft of Net Raton or ~15% OF Net Coal. The conductor casing will be hammered in.

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: 7/1/2010 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. Nash Director of COGCC Date: 7/27/2010

API NUMBER: **05 071 09822 00** Permit Number: _____ Expiration Date: 7/26/2012

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 email John.Duran@state.co.us.
- 2) Provide cement coverage of production casing from TD to surface casing shoe or above. Verify coverage with cement bond log. NOTE: There is a water well ½-mile to 1-mile from the proposed well location with bottom hole elevation deeper than the proposed surface casing setting depth that may be completed in a coal seam of interest for this well (Receipt #0025569-MH – 595' @4200' NE). Otherwise 840' of surface casing would be needed to cover 50' below all water wells within a 1-mile radius.
- 3) 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
400074068	FORM 2 SUBMITTED	LF@2501354 400074068
400074136	30 DAY NOTICE LETTER	LF@2501355 400074136
400074137	WELL LOCATION PLAT	LF@2501356 400074137
400074274	LEGAL/LEASE DESCRIPTION	LF@2501357 400074274

Total Attach: 4 Files