

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:

400042745

Plugging Bond Surety

20040083

3. Name of Operator: PIONEER NATURAL RESOURCES USA INC 4. COGCC Operator Number: 100845. Address: 1401 17TH ST STE 1200City: DENVER State: CO Zip: 802026. Contact Name: Georgina Kovacic Phone: (303)675-2611 Fax: (303)294-1251Email: georgina.kovacik@pxd.com7. Well Name: Cave Canyon Well Number: 23-4 Tr8. Unit Name (if appl): NA Unit Number: NA9. Proposed Total Measured Depth: 2120

WELL LOCATION INFORMATION

10. QtrQtr: NESW Sec: 4 Twp: 33S Rng: 67W Meridian: 6Latitude: 37.198680 Longitude: -104.894370Footage at Surface: 1792 FNL/FSL FSL 2216 FEL/FWL FWL11. Field Name: Purgatoire River Field Number: 7083012. Ground Elevation: 7710 13. County: LAS ANIMAS

14. GPS Data:

Date of Measurement: 09/29/2009 PDOP Reading: 4.8 Instrument Operator's Name: R. Coberly15. 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 No17. Distance to the nearest building, public road, above ground utility or railroad: 235 ft18. Distance to nearest property line: 21 ft 19. Distance to nearest well permitted/completed in the same formation: 3294 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	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#: 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: 3294 ft 26. Total Acres in Lease: 2662

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	690	145	690	0
1ST	7+7/8	5+1/2	15.5	2,120	314	2,120	0

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

33. Comments surface casing exception required for 690 ft due to the COGCC requiring at surface casing depth of 830 ft this would leave behind ~7-15 ft of net Raton or ~10-30% of Net TR Coal. Water well is 4880 ft away and the receipt number is 0518047.

34. Location ID: 333654

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: _____ 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: _____ Director of COGCC Date: _____

Permit Number: _____ Expiration Date: _____

API NUMBER

05 071 09665 00

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.

Attachment Check List

Att Doc Num	Name	Doc Description
400042779	LEGAL/LEASE DESCRIPTION	Lease Desc_Cave Canyon_TR.pdf
400042795	30 DAY NOTICE LETTER	NOS_Cave Canyon_23-4_TR_resend.pdf
400042796	CONSULT NOTICE	LOCConsult_Cave_Canyon_23-4-TR.pdf
400042798	WELL LOCATION PLAT	WellPlat_Cave_Canyon_23-4_TR_rev.pdf

Total Attach: 4 Files