

FORM

2

Rev  
12/05

## State of Colorado

## Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

400297458

Date Received:

## APPLICATION FOR PERMIT TO:

1. ☒ Drill, ☐ Deepen, ☐ Re-enter, ☐ Recomplete and Operate

## 2. TYPE OF WELL

OIL ☐ GAS ☒ COALBED ☐ OTHER \_\_\_\_\_  
SINGLE ZONE ☒ MULTIPLE ☐ COMMINGLE ☐Refiling ☐Sidetrack ☐

PluggingBond SuretyID

20030107

3. Name of Operator: WPX ENERGY ROCKY MOUNTAIN LLC

4. COGCC Operator Number: 96850

5. Address: 1001 17TH STREET - SUITE #1200

City: DENVER State: CO Zip: 80202

6. Contact Name: Howard Harris Phone: (303)606-4086 Fax: (303)629-8268

Email: howard.harris@williams.com

7. Well Name: Duggan Well Number: RWF 323-29

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

9. Proposed Total Measured Depth: 8208

## WELL LOCATION INFORMATION

10. QtrQtr: Lot 5 Sec: 29 Twp: 6S Rng: 94W Meridian: 6

Latitude: 39.490133 Longitude: -107.918624

Footage at Surface: 552 feet FNL/FSL FSL 593 feet FEL/FWL FWL

11. Field Name: Rulison Field Number: 75400

12. Ground Elevation: 5415 13. County: GARFIELD

## 14. GPS Data:

Date of Measurement: 05/30/2008 PDOP Reading: 1.8 Instrument Operator's Name: J. Kirkpatrick

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  
1607 FSL 2003 FWL 1607 FSL 2003 FWL  
Sec: 29 Twp: 6S Rng: 94W Sec: 29 Twp: 6S Rng: 94W16. Is location in a high density area? (Rule 603b)? ☐ Yes ☒ No

17. Distance to the nearest building, public road, above ground utility or railroad: 470 ft

18. Distance to nearest property line: 284 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 303 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.)
Williams Fork	WMFK	479-14	320	S/2 Fee Pooled

21. Mineral Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian Lease #: \_\_\_\_\_22. Surface Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian23. 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 ☐ No23b. If 23 is No: ☒ Surface Owners Agreement Attached or ☐ \$25,000 Blanket Surface Bond ☐ \$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: 224 ft

26. Total Acres in Lease: 10031

### 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: Re-Use, Evap & Backfill

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	24	18	48	0	40	50	40	0
SURF	13+1/2	9+5/8	32.3	0	1,152	303	1,152	0
1ST	8+3/4	4+1/2	11.6	4352	8,209	930	4,352	4,352

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

33. Comments Top of production casing will be approx 200 feet above the top of Mesaverde. Fee minerals and Fee surface. We are permitting 13 wells at this time to be drilled from this pad. Closed loop mud system will be used. Surface Use Agreement attached to form 2A.

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: Howard Harris

Title: Sr. Regulatory Specialist Date: \_\_\_\_\_ Email: howard.harris@williams.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: \_\_\_\_\_

API NUMBER

05

Permit Number: \_\_\_\_\_ Expiration Date: \_\_\_\_\_

#### 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
400297559	DIRECTIONAL DATA
400297561	DEVIATED DRILLING PLAN
400297563	LEGAL/LEASE DESCRIPTION
400297564	WELL LOCATION PLAT

Total Attach: 4 Files

### **General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>

Total: 0 comment(s)

## **BMP**

<b><u>Type</u></b>	<b><u>Comment</u></b>
Drilling/Completion Operations	<ul style="list-style-type: none"><li>• Use centralized hydraulic fracturing operations.</li><li>• Install and maintain adequate measures to exclude all types of wildlife (e.g., big game, birds, and small rodents) from all fluid pits (e.g., fencing, netting, and other appropriate exclusion measures).</li><li>• Conduct well completions with drilling operations to limit the number of rig moves and traffic.</li></ul>
Final Reclamation	<ul style="list-style-type: none"><li>• Remove well pad and road surface materials that are incompatible with post-production land use and re-vegetation requirements</li><li>• Use only certified weed-free native seed in seed mixes, except for non-native plants that benefit wildlife</li><li>• Williams will use certified, weed free grass hay, straw, hay or other mulch materials used for the reseeding and reclamation of disturbed areas.</li><li>• Install exclusionary devices to prevent bird and other wildlife access to equipment stacks, vents and openings.</li><li>• Reduce visits to well-sites through remote monitoring (i.e. SCADA) and the use of multi-function contractors.</li><li>• Avoid dust suppression activities within 300 feet of the ordinary high water mark of any reservoir, lake, wetland, or natural perennial or seasonally flowing stream or river where possible.</li></ul>
Planning	<ul style="list-style-type: none"><li>• Share/consolidate corridors for pipeline ROWs to the maximum extent possible.</li><li>• Maximize the utility of surface facilities by developing multiple wells from a single pad (directional drilling), and by co-locating multipurpose facilities (for example, well pads and compressors) to avoid unnecessary habitat fragmentation and disturbance of additional geographic areas.</li><li>• Minimize newly planned activities and operations within 300 feet of the ordinary high water mark of any reservoir, lake, wetland, or natural perennial or seasonally flowing stream or river.</li><li>• Avoid new surface disturbance and placing new facilities in key wildlife habitats in consultation with CPW.</li><li>• Minimize the number, length, and footprint of oil and gas development roads</li><li>• Use existing roads where possible</li><li>• Combine and share roads to minimize habitat fragmentation</li><li>• Place roads to avoid obstructions to migratory routes for wildlife, and to avoid displacement of wildlife from public to private lands.</li><li>• Maximize the use of directional drilling to minimize habitat loss/fragmentation</li><li>• Maximize use of remote completion/frac operations to minimize traffic</li><li>• Maximize use of remote telemetry for well monitoring to minimize traffic</li><li>• Restrict oil and gas activities as practical during critical seasonal periods</li></ul>

Total: 3 comment(s)