

FORM  
2

Rev  
12/05

# State of Colorado Oil and Gas Conservation Commission

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Document Number:

400285965

Date Received:

06/29/2012

PluggingBond SuretyID

20030107

## 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

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 313-29

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

9. Proposed Total Measured Depth: 8014

## WELL LOCATION INFORMATION

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

Latitude: 39.490175 Longitude: -107.918692

Footage at Surface: 567 feet FSL 575 feet FWL

11. Field Name: Rulison Field Number: 75400

12. Ground Elevation: 5415 13. County: GARFIELD

### 14. GPS Data:

Date of Measurement: 05/30/2012 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 \_\_\_\_\_  
1489 FSL 705 FWL 1489 FSL 705 FWL  
Sec: 29 Twp: 6S Rng: 94W Sec: 29 Twp: 6S Rng: 94W

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: 470 ft

18. Distance to nearest property line: 284 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 317 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

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 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: 131 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	1,113	294	1,113	0
1ST	8+3/4	4+1/2	11.6	0	8,014	930	8,014	4,161

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: 6/29/2012 Email: howard.harris@WPXEnergy.co

Operator must have a valid water right or permit allowing for industrial use or purchased water from a seller that has a valid water right or permit allowing for industrial use, otherwise an application for a change in type of use is required under Colorado law. Operator must also use the water in the location set forth in the water right decree or well permit, otherwise an application for a change in place of use is required under Colorado law. Section 37-92-103(5), C.R.S. (2011).

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: 8/3/2012

API NUMBER **05 045 21664 00** Permit Number: \_\_\_\_\_ Expiration Date: 8/2/2014

#### 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.

THE PROPOSED SURFACE CASING IS MORE THAN 50' BELOW THE DEPTH OF THE DEEPEST WATER WELL WITHIN 1MILE OF THE SURFACE LOCATION WHEN CORRECTED FOR ELEVATION DIFFERENCES. THE DEEPEST WATER WELL WITHIN 1 MILE IS 290 FEET DEEP.

TOP OF CEMENT ON PRODUCTION CASING MUST BE AT LEAST 200' ABOVE THE MESA VERDE.

ADHERENCE(S) TO THE FOLLOWING NOTICE TO OPERATORS APPLIES:

NW AREA NOTIFICATION PROCEDURES  
 GARFIELD COUNTY  
 GARFIELD & MESA COUNTY BRHTA

**Attachment Check List**

Att Doc Num	Name
400285965	FORM 2 SUBMITTED
400295682	DEVIATED DRILLING PLAN
400295683	WELL LOCATION PLAT
400301550	DIRECTIONAL DATA
400301552	LEGAL/LEASE DESCRIPTION

Total Attach: 5 Files

**General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	No LGD or public comments. Final Review--passed.	3/3/2012 2:57:00 PM
Permit	Deleted "fee pooled" from unit designation.	7/27/2012 10:13:22 AM
LGD	Passed DB	7/9/2012 10:25:39 AM
Permit	Operator corrected #36. This form has passed completeness.	7/3/2012 7:50:55 AM
Permit	Returned to draft. #36 is missing.	7/3/2012 6:31:41 AM
Permit	Returned to draft. Called operator to confirm that surface owner is not the mineral owner and name is not on lease. This needs to be corrected. No well number on directional data spreadsheet Lease description is corrupted and does not open SUA not attached	6/29/2012 11:47:23 AM

Total: 6 comment(s)

## BMP

<u>Type</u>	<u>Comment</u>
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>
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>
Construction	<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>

Total: 3 comment(s)