

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:

400254449

Date Received:

03/01/2012

## APPLICATION FOR PERMIT TO:

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

### 2. TYPE OF WELL

OIL  GAS  COALBED  OTHER Vertical Pilot  
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: Greg Davis Phone: (303)606-4071 Fax: (303)629-8268  
Email: greg.j.davis@williams.com

7. Well Name: Williams Well Number: GM 701-4 HN1

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

9. Proposed Total Measured Depth: 11050

### WELL LOCATION INFORMATION

10. QtrQtr: Lot 1 Sec: 4 Twp: 7S Rng: 96W Meridian: 6  
Latitude: 39.471386 Longitude: -108.107231

Footage at Surface: \_\_\_\_\_ feet FNL/FSL \_\_\_\_\_ feet FEL/FWL \_\_\_\_\_ feet  
FNL \_\_\_\_\_ feet FEL \_\_\_\_\_ feet

11. Field Name: Grand Valley Field Number: 31290

12. Ground Elevation: 5450 13. County: GARFIELD

### 14. GPS Data:

Date of Measurement: 09/30/2011 PDOP Reading: 1.7 Instrument Operator's Name: Robert Kay

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: 1930 ft

18. Distance to nearest property line: 399 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 3220 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.)
Mancos	MNCS			
Niobrara	NBRR			

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: 405 ft 26. Total Acres in Lease: 321

### 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 and evaporation

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	26	20	52.7#	0	60	50	60	0
SURF	17+1/2	13+3/8	68#	0	2,400	731	2,400	0
1ST	12+1/4	9+5/8	47#	0	9,350	1,136	9,350	0
OPEN HOLE	8+1/2	5+1/2	23#	0	11,050	996	11,050	0

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

33. Comments Closed Loop. Intermediate Cement: Top of cement shall be 250' above the mesaverde. Pilot Hole for Horizontal Well Williams is the surface owner.

34. Location ID: 333109

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: Greg Davis

Title: Supervisor Permits Date: 3/1/2012 Email: greg.j.davis@williams.com

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: [Signature] Director of COGCC Date: 5/10/2012

**API NUMBER**  
05 045 21487 00

Permit Number: \_\_\_\_\_ Expiration Date: 5/9/2014

**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.

- 1) COMPLIANCE WITH THE MOST CURRENT REVISION OF THE NORTHWEST COLORADO NOTIFICATION POLICY IS REQUIRED.
- 2) GARFIELD COUNTY RULISON FIELD NOTICE TO OPERATORS. NOTE: ALL NOTICES SHALL BE GIVEN VIA E-MAIL. SEE ATTACHED NOTICE
- 3) CEMENT ON PRODUCTION CASING MUST BE A MINIMUM OF 200' ABOVE THE TOP OF THE MESA VERDE FORMATION (OR 200' ABOVE THE OHIO CREEK FORMATION IF PRESENT). CEMENT TOP VERIFY BY CBL IS REQUIRED. THIS REQUIREMENT SHALL SUPERSEDE THE TOP OF CEMENT REQUIREMENTS IN THE NEW MAMM CREEK FIELD NOTICE TO OPERATORS.
- 4) PROVIDE CEMENT COVERAGE FROM THE INTERMEDIATE CASING SHOE TO A MINIMUM OF 200' ABOVE TOP OF GAS [OR OTHER SHALLOWEST-KNOWN PRODUCING HORIZON]. VERIFY CEMENT WITH A CEMENT BOND LOG.
- 5) THE PROPOSED SURFACE CASING IS MORE THAN 50' BELOW THE DEPTH OF THE DEEPEST WATER WELL WITHIN 1 MILE OF THE SURFACE LOCATION WHEN CORRECTED FOR ELEVATION DIFFERENCES. THE DEEPEST WATER WELL WITHIN 1 MILE IS 130 FEET DEEP.

**Attachment Check List**

Att Doc Num	Name
2538031	OTHER
400254449	FORM 2 SUBMITTED
400254567	WELL LOCATION PLAT
400257302	LEGAL/LEASE DESCRIPTION

Total Attach: 4 Files

**General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	off hold--APD for lateral complete. LGD passed; public comments waived. Final Review--passed.	5/7/2012 1:14:12 PM
Permit	on hold--rec'd exc. loc. req. ltr. and offset waivers for horizontal wellbore. oper. confirmed that pilot hole will not be completed; there is no lease description for SHL attached.	5/2/2012 8:54:31 AM
Permit	corrected casing and cement per oper.'s email; attached update as doc #2538031	4/24/2012 2:57:14 PM
Permit	put on hold pending receipt of exc. loc. req. for horiz. lateral.	4/3/2012 7:44:00 AM
Permit	changed 22a to NO per oper.	3/22/2012 3:13:41 PM
LGD	Passed	3/19/2012 4:49:29 PM
Permit	Operator input 22b and blacked out SS numbers. This form has passed completeness.	3/2/2012 6:29:28 AM
Permit	Returned to draft. Missing 22b and SS numbers on lease.	3/1/2012 1:56:25 PM

Total: 8 comment(s)

**BMP**

<b><u>Type</u></b>	<b><u>Comment</u></b>

Total: 0 comment(s)