8000-PM-OOGM0001bU Rev. 5/2017

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS MANAGEMENT

PERMIT APPLICATION TO DRILL AND OPERATE AN UNCONVENTIONAL WELL

Please read instructions before you begin filling in this form.

WELL INFORMATION

Well Operator	DEP ID#	Well API No.	Well Farm Name	Well #
Rice Drilling B LLC	268470	37-059-27481-00-01	Thunder 1	10

Address	LAT / LONG	NAD	Project Number	Serial #
2400 Ansys Drive, Suite 200	LAT 39.826681 / LONG - 80.279325	83		596194

City	State	ZipCode	Municipality Name/ City, Borough, Township	County
Canonsburg	PA	15317	Center / Township	Greene

Phone No.	Fax No.	Email	USGS 7.5 min. quadrangle map	Section
724-271-7380	724-745-2418	espine@eqt.com	Holbrook	6

24/7 Emergency Phone Contact No.:	ESGP Permit No.	Well Pad (cluster) Name/Identification
EQT Emergency Contact: 1-800-926-1759	ESX10-059-0080	Hoover Access Road

911 address of well site (if available)
466 Turkey Hollow Road, Waynesburg, PA 15370

Surface Elev.	Deepest Formation to be Penetrated	Anticipated TVD
1410	Marcellus	8026

Target Formation(s) Proposed for Production	Anticipated Target Top/Bottom TVD
Marcellus	7977 / 8074

Number of wellbore laterals proposed under this application 1.
Total feet of wellbore to be drilled under this application 13566 Ft.

PNDI Attached: ☒ Any threatened or endangered "hit" must include a demonstration of how the impact will be avoided or minimized and mitigated, or justification that section 78a.15(e) applies.

Application submitted as: ☒ Coal well (Attach Coal Module) ☐ Non coal well (Attach justification)

PERMIT TYPE
Check applicable.
Application is to
☒ Modify existing well/permit

TYPE OF WELL
Check applicable.
☒ Gas
☐ Comb. (gas & oil/condensate)

Configuration
☐ Vertical
☒ Horizontal
☐ Deviated
☐ Multiple laterals

APPLICATION FEE
Check applicable.
☐ Vertical
☒ Non-vertical
Total Application Fee
$ 5,250

Bond Agreement Id:
RLB0014476

COORDINATION WITH REGULATIONS AND OTHER PERMITS	Yes	No
1. Will the well be subject to the **Oil and Gas Conservation Law**? If "No," go to 2).	☐	☒
a. If "Yes" to #1, is the well at least 330 feet from outside lease or unit boundary?	☐	☐
b. Does the location fall within an area covered by a spacing order?	☐	☒
c. If the well will be multilateral, identify the wellbores on the sketch on page 3 of the plat that will be completed as conservation and non-conservation.		
2. Will the proposed limit of disturbance of the well site be within 100 feet measured horizontally form any watercourse or any high quality of exceptional value body of water or any wetland one acre or greater in size?	☐	☒
If yes, attach the following if applicable: a site-specific E&S control plan, a permit consistent with Chapter 102, applicable portions of the Pollution Prevention Control Plan, applicable portions of the Well Site Emergency Response Plan, applicable portions of the Site Containment Plan, the permit number of a Water Obstruction and Encroachment Permit issued pursuant to Chapter 105, or justification that section 78a.15(e) applies.	☐	☐
Will the well or well site be located within a defined 100 year floodplain or where the floodplain is undefined, within 100 feet of the top of the bank of a perennial stream or within 50 feet of the top of the bank of an intermittent stream.	☐	☒
If yes, attach a plan that identifies the additional measure, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the Commonwealth	☐	☐

COORDINATION WITH REGULATIONS AND OTHER PERMITS (cont'd)	Yes	No
3. Will the vertical wellbore section penetrate or be within 3,000 feet of an active **gas storage reservoir** boundary?	☐	☒
a. If Yes, print the names of: Storage Field: _____ Operator: _____		
4. Is the proposed well location within the permitted area of a **landfill**?	☐	☒
5. Will the vertical wellbore section of the unconventional well be drilled within 500 feet from any existing building or an existing water supply?	☒	☐
a. If "Yes," is written consent from the owner attached?	☒	☐
b. If written consent is not attached, is a variance request (form 8000-FM-OOGM0058) attached?	☐	☐
5.1. Will the vertical wellbore of the unconventional well be drilled within 1,000 feet from any existing water well, surface water intake, reservoir or other water supply extraction point used by a water purveyor?	☐	☒
a. If "Yes," is written consent from the owner attached?	☐	☐
b. If written consent is not attached, is a variance request (form 8000-FM-OOGM0058) attached?	☐	☐
6. Is this permit application for a well that will be drilled on a well site for which construction was completed prior to April 16, 2012?	☐	☒
a. If "Yes," was there a permitted well at this well site prior to April 16, 2012?	☐	☐
b. If the answer to question no. 6a is "Yes", provide the US Well Number (API No.) of the well permitted at this site prior to April 16, 2012. _____	☐	☐
7. Will the well be located where it may impact a public resource as outlined in the "Coordination of a Well Location with Public Resources" form 8000-PM-OOGM0076? If yes, attach a completed copy of the form.	☐	☒
8. Will any portion of the well site be in a Special Protection High Quality ☒ (HQ) or Exceptional Value ☐ (EV) watershed? Provide name of special protection watershed Turkey Hollow.	☒	☐
9. Is this well part of a development which requires an Earth Disturbance Permit for Oil and Gas Activities disturbing more than 5 acres? If yes, list the number of the ESCGP approval if the permit has been issued. ESX10-059-0080 If no, is this well part of a development that involves 1 to less than 5 acres of earth disturbance over the life of the project and is the answer to question no. 8 "Yes"? If yes, attach a site-specific E&S control plan.	☒	☐
10. Is the well to be located within a H_2S area pursuant to §78a.77a?	☐	☒

11. Attach a current Ownership & Control form 8000-FM-OOGM0118 with the first application submitted after the effective date of the final "Environmental Protection Performance Standards at Oil and Gas Well Sites" rulemaking, or if there have been any changes to parent and subsidiary business corporations.

Signature of Applicant The person signing this form attests that they have the authority to submit this application on behalf of the applicant, and that the information, including all related submissions, is true and accurate to the best of their knowledge.

Signature of Person Authorized to Submit Application	*(Print or Type)*	Name of Signer: ERIN SPINE Title: Regional Land Supervisor	Date 5/23/2019
Application Preparer/Contact: BSHRUM@EQT.COM			Phone: 724-271-7314

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Record of Notification / Written Consent

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PERMIT APPLICATION TO DRILL AND OPERATE AN UNCONVENTIONAL WELL
Record of Notification

US Well No. (API No.)
37-059-27481-00-01

Signature of Applicant	I hereby certify that, for all interested parties identified on the plat of this application for which written consent or an "Affidavit of Non-Delivery of Certified Mail" has not been uploaded, copies of the well plat have been sent via certified mail and I have received a return receipt verifying delivery.		
Signature of Person Authorized to Submit Application	*(Print or Type)* *Erin Spine*	Name of Signer: ERIN SPINE Title: Regional Land Supervisor	Date 4/17/2019

List the following: surface landowner; surface landowners and water purveyors with water supplies within 3,000 feet; municipality where the well will be drilled; adjacent municipality; municipalities within 3,000 feet of the vertical well bore; gas storage operator if within 3,000 feet. Mark the boxes, "X," which show the parties' interests. Use additional forms if you need more space. You are required to notify each of these parties.

Notification: Signature below name indicates the party's acknowledgement of receipt of the well location plat and serves as proof of notification

			Surface Landowner	Gas Storage Operator	Surface Landowners & Water Purveyors with water supplies <3000'	Municipalities	Notification (Note the means and attach proof.) Certified Mail Dates: Sent	Certified Mail Dates: Return Receipt	Address Affidavit	Written Consent
Print Name: MARK & LISA MAIN Signature	Address:	Address: 297 IRON ROCK RD WAYNESBURG, PA 15370	X		X		4/3/2019		X	
Print Name: ROBERT W REED ET UX Signature	Address:	Address: 113 IRON ROCK ROAD WAYNESBURG, PA 15370			X		4/3/2019	4/5/2019		
Print Name: CARL S RABER ET UX Signature	Address:	Address: 366 IRON ROCK RD WAYNESBURG, PA 15370			X		4/3/2019		X	
Print Name: ROBERT C HOOVER ET UX Signature	Address:	Address: 161 IRON ROCK ROAD WAYNESBURG, PA 15370			X		4/3/2019	4/6/2019		
Print Name: CATHY S EDDY REVOCABLE TRUST Signature	Address:	Address: 285 IRON ROCK RD WAYNESBURG, PA 15370			X		4/3/2019	4/12/2019		

Record of Written Consent

Written Consent: Signature below indicates the party's approval of the well location, or indicates written consent and waives the 15-day objection period where applicable.

			Check applicable box: Surface Owner	Water Well within 500 feet	Building within 500 feet
Print and Sign Name:	**Address:**	**Date**	☐	☐	☐
Print and Sign Name:	**Address:**	**Date**	☐	☐	☐
Print and Sign Name:	**Address:**	**Date**	☐	☐	☐

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Signature of Person Authorized to Submit Application	*(Print or Type)* *Erin Spine*	Name of Signer: ERIN SPINE Title: Regional Land Supervisor	Date 4/17/2019

List the following: surface landowner; surface landowners and water purveyors with water supplies within 3,000 feet; municipality where the well will be drilled; adjacent municipality; municipalities within 3,000 feet of the vertical well bore; gas storage operator if within 3,000 feet. Mark the boxes, "**X**," which show the parties' interests. Use additional forms if you need more space. You are required to notify each of these parties.

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Print Name: LUKE J KIGER ET UX Signature	Address:	Address: 295 IRON ROCK RD WAYNESBURG, PA 15370			X		4/3/2019	4/9/2019		
Print Name: WILLIAM JERDAN SIMMS Signature	Address:	Address: 198 IRON ROCK RD WAYNESBURG, PA 15370			X		4/3/2019		X	
Print Name: PETER M GRIMES ET UX Signature	Address:	Address: 292 IRON ROCK RD WAYNESBURG, PA 15370			X		4/3/2019	4/9/2019		
Print Name: CENTER TOWNSHIP Signature	Address:	Address: 100 MUNICIPAL DRIVE PO BOX 435 ROGERSVILLE, PA 15359				X	4/3/2019	4/11/2019		
Print Name: FRANKLIN TOWNSHIP Signature	Address:	Address: 568 ROLLING MEADOWS ROAD WAYNESBURG, PA 15370				X	4/3/2019	4/5/2019		

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			Check applicable box: Surface Owner	Water Well within 500 feet	Building within 500 feet
Print and Sign Name:	**Address:**	**Date**	☐	☐	☐
Print and Sign Name:	**Address:**	**Date**	☐	☐	☐
Print and Sign Name:	**Address:**	**Date**	☐	☐	☐

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Signature of Person Authorized to Submit Application	*(Print or Type)* *Erin Spine*	Name of Signer: ERIN SPINE Title: Regional Land Supervisor	Date 4/17/2019

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			Surface Landowner	Gas Storage Operator	Surface Landowners & Water Purveyors with water supplies <3000'	Municipalities	Notification (Note the means and attach proof.) Certified Mail Dates: Sent	Certified Mail Dates: Return Receipt	Address Affidavit	Written Consent
Print Name: JACKSON TOWNSHIP Signature	Address:	Address: 104 TUNNEL ROAD HOLBROOK, PA 15341				X	4/3/2019	4/5/2019		
Print Name: WAYNE TOWNSHIP Signature	Address:	Address: 132 SPRAGGS ROAD SPRAGGS, PA 15362				X	4/3/2019	4/8/2019		
Print Name: RICHHILL TOWNSHIP Signature	Address:	Address: 109 MUNICIPAL LANE WIND RIDGE, PA 15380				X	4/3/2019	4/5/2019		
Print Name: GRAY TOWNSHIP Signature	Address:	Address: 193 STRINGTOWN ROAD GRAYSVILLE, PA 15337				X	4/3/2019	4/8/2019		
Print Name: MORRIS TOWNSHIP Signature	Address:	Address: 1317 BROWNS CREEK ROAD SYCAMORE, PA 15364				X	4/3/2019	4/5/2019		

Record of Written Consent

Written Consent: Signature below indicates the party's approval of the well location, or indicates written consent and waives the 15-day objection period where applicable.

			Check applicable box: Surface Owner	Water Well within 500 feet	Building within 500 feet
Print and Sign Name:	**Address:**	**Date**	☐	☐	☐
Print and Sign Name:	**Address:**	**Date**	☐	☐	☐
Print and Sign Name:	**Address:**	**Date**	☐	☐	☐