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

PERMIT APPLICATION TO DRILL AND OPERATE AN UNCONVENTIONAL WELL

APPLICANT INFORMATION				
Applicant (Operator) Name EQT PRODUCTION CO	Legal Name EQT PRODUCTION COMPANY	DEP Client ID# 146983	Phone 724-746-9073	FAX
Mailing Address (Street or PO Box) 2400 ANSYS DRIVE	Address 2 SUITE 200			
City CANONSBURG	State PA	Zip +4 15317		
Email Address jzavatchan@eqt.com	24/7 Emergency Contact Name / Number 24 HOUR EMERGENCY NUMBER 800-926-1759			

WELL INFORMATION			
(Well) Farm Name RIVER			
Well # MAT203H10	Serial # 592886	Project # (from DEP)	
County GREENE	Municipality JEFFERSON TWP	911 Address of Well site (or nearest intersection) 1356 North Eighty Eight Road Clarksville PA 15322	
Is this an Unconventional well? Y	Is this a Coal well? Y	Bond Agreement ID 9399 - BLANKET ($850,000)	Well Deepest Point (TVD) 7415

WELLBORE INFORMATION			
Wellbore Number 1	Wellbore Name WELLBORE SURFACE HOLE LOCATION	Type of Wellbore GAS	Wellbore Configuration Horizontal Well

WELL PAD INFORMATION			
Well Pad Name RIVER			
Is this well covered under an ESCGP? Y	ESCGP Number 1047959	Will this well be built on a well pad? Y	Well Pad 153147-RIVER

COORDINATION QUESTIONS	
Will the well be subject to the Oil and Gas Conservation Law?	N
Will either the edge of the disturbed area of any portion of the well site of the unconventional well be within 100 feet, or the vertical well bore be within 300 feet, from the edge of any solid blue lined stream, spring or body of water identified on the most current 7 1/2 topographic quadrangle map or wetland greater than one acre in size or in a wetland?	N
Will the well penetrate or be within 3,000 feet of an active gas storage reservoir boundary?	N
Is the proposed well location within the permitted perimeter of an active, abandoned or proposed landfill?	N
Will the vertical well bore of the unconventional well be drilled within 500 feet from any existing building or an existing water supply?"	N
Will the vertical well bore 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 the water purveyor?	N
Is this permit application for a well that will be drilled on an existing well site that has an active permitted well, or currently valid permit on this well site, for a well that was permitted on or before April 16, 2012?	N
Did this well site have an active well permitted on April 16, 2012?	N
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 5500 PM-OG0076?	Y
Will any portion of the well site be located within a Special Protection watershed?	N
Is this well part of a development which disturbs more than 5 acres?	Y
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?	N
Is the well to be located within a 1-mile radius of a well drilled to or through the same formation where hydrogen sulfide (H2S) has been found while drilling?	N
Did you have a PNDI hit for the PA Department of Conservation and Natural Resources Bureaus of Forestry and Topographic and Geologic Survey?	Y
Did you have a PNDI hit for the PA Fish and Boat Commission?	N
Did you have a PNDI hit for the PA Game Commission?	N
Did you have a PNDI hit for the U.S. Fish and Wildlife Service?	N

COAL MODULE	
Will the well penetrate a workable coal seam?	Y

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Have any coal rights been severed from the surface estate?	Y
If the coal rights been severed from the surface estate, have the owners of the workable and unworkable coal seams been notified?	Y
Is this a "non-conservation" gas well?	Y
If the well will penetrate a workable coal seam, and the well is a 'non-conservation' gas well, does the location comply with the distance requirements of Section 7 of the Coal and Gas Resource Coordination Act (at least 1,000 feet from all existing wells) and, if part of a well cluster, at least 2,000 feet from any other existing cluster, as measured from the center of the well bore of the nearest well?	Y
Will the well be part of a Well Cluster which is an area within a well pad intended to host multiple horizontal wells and which comprises an area no greater than 5,000 square feet?	Y
Will this well be part of a Well Cluster that already has an approved OG-57 waiver?	N
Will this well be drilled into solid coal or into an open underground void?	SC
Will the well be drilled through an operating coal mine, or within 1,000 feet of the boundary?	N
Has the surface landowner been notified and provided a copy of the Landowner Notification of Right to Participate in Alternative Dispute Resolution to Coal Bed Methane Wells (form 5500-FM-OG0053)?	N

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WELLBORE SURFACE-HOLE LOCATION	
Surface elevation (in ft.)	1080
Latitude/Longitude	39 57 48.9500 -80 01 03.3600
Metadata Method	GPS - UNSPECIFIED
Accuracy (in ft.)	3
Datum	North American Datum of 1983
Reference Elevation	1080
USGS Map Name	MATHER
USGS Map Section #	3
Offset South (in feet)	13280
Offset West (in feet)	4980

WELLBORE LOCATION INFORMATION	
WELLBORE SURFACE HOLE LOCATION	
Type of Wellbore	GAS
Wellbore Configuration	Horizontal Well
Target Formation	GENESEE FORMATION(GENEF)
Producing Formation	GENESEE FORMATION(GENEF)
Oldest Formation Penetrated	GENESEE FORMATION(GENEF)
Wellbore Origin Point Lat/Long	39 57 48.9500 -80 01 03.3600
Wellbore Origin Point True Vertical Depth (TVD)	0
Wellbore Origin Point Total Measured Distance (TMD)	0
Wellbore Deepest Point Lat/Long	39 58 03.9600 -80 00 36.6100
Wellbore Deepest Point True Vertical Depth (TVD)	7415
Wellbore Deepest Point Total Measured Distance (TMD)	8656
Bottom Hole Lat/Long	39 58 50.9000 -80 01 00.6000
Bottom Hole True Vertical Depth (TVD)	7415
Bottom Hole Total Measured Distance (TMD)	13760

WELL PAD LOCATION INFORMATION	
Well Pad Corner 1 Lat/Long	
Well Pad Corner 2 Lat/Long	
Well Pad Corner 3 Lat/Long	
Well Pad Corner 4 Lat/Long	
Well Site GPS Location Lat/Long	39 57 48.7692 -80 01 04.0116
Well Site Access Road GPS Lat/Long	39 57 59.9364 -80 01 06.2004

SUBMISSION INFORMATION	
Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. Any false statement is subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	
I hereby certify that, for all interested parties identified in 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.	
Submitted By	JOHN ZAVATCHAN
Document Generated	04/03/2017 07:14:32 AM

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INTERESTED PARTIES

Interested Party	Address	Notifications	
CLARKSVILLE BOROUGH	PO BOX 564 CLARKSVILLE, PA 15322	MU - Municipalities	
Municipality CLARKSVILLE BOROUGH	Notified MAIL	Certified Mail Sent Date 11/10/2016	Certified Mail Delivery Date 11/15/2016
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			

Interested Party	Address	Notifications	
CONSOLIDATION COAL COMPANY ATTN: CASEY SAUNDERS ENGINEERING & OPERATIONS SUPPORT DEPT. COAL	CNX CENTER 1000 CONSOL ENERGY DRIVE CANONSBURG, PA 15317	SL - Surface Landowner	
Municipality	Notified MAIL	Certified Mail Sent Date 11/10/2016	Certified Mail Delivery Date 11/14/2016
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			

Interested Party	Address	Notifications	
CUMBERLAND TOWNSHIP	100 MUNICIPAL ROAD CARMICHAELS, PA 15320	MU - Municipalities	
Municipality CUMBERLAND TOWNSHIP	Notified MAIL	Certified Mail Sent Date 11/10/2016	Certified Mail Delivery Date 11/15/2016
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			

Interested Party	Address	Notifications	
EAST BETHLEHEM TOWNSHIP	PO BOX 687 36 WALTER STREET FREDERICKTOWN, PA 15333	MU - Municipalities	
Municipality EAST BETHLEHEM TOWNSHIP	Notified MAIL	Certified Mail Sent Date 11/10/2016	Certified Mail Delivery Date 11/15/2016
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			

Interested Party	Address	Notifications	
FRANKLIN TOWNSHIP	568 ROLLING MEADOWS ROAD WAYNESBURG, PA 15370	MU - Municipalities	
Municipality FRANKLIN TOWNSHIP	Notified MAIL	Certified Mail Sent Date 11/10/2016	Certified Mail Delivery Date 11/14/2016
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			

Interested Party	Address	Notifications	
GREENE TOWNSHIP	243 GARARDS FORT ROAD GARARDS FORT, PA 15334	MU - Municipalities	
Municipality GREENE TOWNSHIP	Notified MAIL	Certified Mail Sent Date 11/10/2016	Certified Mail Delivery Date 11/14/2016
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			

Interested Party	Address	Notifications	
JEFFERSON BOROUGH	PO BOX 87 JEFFERSON, PA 15344	MU - Municipalities	
Municipality JEFFERSON BOROUGH	Notified MAIL	Certified Mail Sent Date 11/10/2016	Certified Mail Delivery Date 11/26/2016
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			

Interested Party	Address	Notifications

JEFFERSON TOWNSHIP	173 GOSLIN ROAD RICES LANDING, PA 15357	MU - Municipalities	
Municipality JEFFERSON TOWNSHIP	Notified MAIL	Certified Mail Sent Date 11/10/2016	Certified Mail Delivery Date 11/21/2016
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			

Interested Party LUZERNE TOWNSHIP	Address 415 HOPEWELL ROAD BROWNSVILLE, PA 15417	Notifications MU - Municipalities	
Municipality LUZERNE TOWNSHIP	Notified MAIL	Certified Mail Sent Date 11/10/2016	Certified Mail Delivery Date 11/14/2016
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			

Interested Party MORGAN TOWNSHIP	Address 1019 THIRD STREET EXTENSION PO BOX 3 MATHER, PA 15346	Notifications MU - Municipalities	
Municipality MORGAN TOWNSHIP	Notified MAIL	Certified Mail Sent Date 11/10/2016	Certified Mail Delivery Date 11/21/2016
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			

Interested Party MURRAY ENERGY CORPORATION ATTN: ALEX P. O'NEILL	Address 46226 NATIONAL ROAD ST. CLAIRSVILLE, OH 43950	Notifications CO - Coal Owner	
Municipality	Notified MAIL	Certified Mail Sent Date 11/10/2016	Certified Mail Delivery Date 11/14/2016
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			

Interested Party RGGS LAND & MINERALS LTD. LP. ATTN: TONY GRAZIANI	Address 751 MCCLELLANDTOWN ROAD UNIONTOWN, PA 15401	Notifications CO - Coal Owner	
Municipality	Notified MAIL	Certified Mail Sent Date 11/10/2016	Certified Mail Delivery Date 11/14/2016
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			

Interested Party RICES LANDING BOROUGH	Address PO BOX 185 137 MAIN STREET RICES LANDING, PA 15357	Notifications MU - Municipalities	
Municipality RICES LANDING BOROUGH	Notified MAIL	Certified Mail Sent Date 11/10/2016	Certified Mail Delivery Date 11/14/2016
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			

Interested Party WHITELY TOWNSHIP	Address 1426 KIRBY ROAD WAYNESBURG, PA 15370	Notifications MU - Municipalities	
Municipality WHITELEY TOWNSHIP	Notified MAIL	Certified Mail Sent Date 11/10/2016	Certified Mail Delivery Date 11/14/2016
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			

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UPLOADED FILES

Attachment	File Name	File Upload Date
Coordination of Well Location with Public Resources	River Resource Coordination Form 12-28-16.pdf	01/03/2017

Cryptographic Hash Value of File (SHA-512)
2DFCC35C77B970EE6F55CA6E32B26F65F9A41244C67D0EEAE1D35C891EDB3C498F65014A20F96EFD26866455FC2B7A89F3E4930630626445B1780BBB2E3BE0ED

Attachment	File Name	File Upload Date
Location Plat	MAT203H10 592886 DEP Plat Page 1_3702.dwg	01/03/2017

Cryptographic Hash Value of File (SHA-512)
36F6765F91B07B6FD38EEFF2B39EE84007CDAACCD330F70A34E2AFB6C8BB68FAD2A60F011CF5744C621BE830B982C0990472E44E3D4F74A3364047CB2A337A7E

Attachment	File Name	File Upload Date
Pennsylvania Natural Diversity Inventory Form	2016-06-23 River PNDI Receipt.pdf	01/03/2017

Cryptographic Hash Value of File (SHA-512)
A86034936169B3FB944F83AF91EF1DAACD7390C88A08C39510AF3BEB7796924342CFEE9932B544D8C8B740D5F77C1640727051730F79AE79520845F406F7F621

Attachment	File Name	File Upload Date
Location Plat	MAT203H10 592886 DEP Plat Page 2_3702.dwg	01/03/2017

Cryptographic Hash Value of File (SHA-512)
59E14212F04FC16DCCDEDF3043A39D8CAAEFB09FF47B427493651BBBE06A41F680C070628CE7DD675402AE12D6B398C159878760529D43FFEBB0CF7EA1CCB41D

Attachment	File Name	File Upload Date
Location Plat	MAT203H10 592886 DEP Plat Page 3_3702.dwg	01/03/2017

Cryptographic Hash Value of File (SHA-512)
001112AA9C4015D41194ADA6052462AC616B3AE40015FECA4D2B28240B53F1436741502E5E339FC803AACD706B4F04D5D9E1DF663FD8F13F9C7BE3FEC3D205B4

Attachment	File Name	File Upload Date
Pennsylvania Natural Diversity Inventory Support Document (PA DCNR)	606695_Greene_NI_U_jar.pdf	01/03/2017

Cryptographic Hash Value of File (SHA-512)
C3AD9BFE000A6F4B25FB9B385BDCC0B682C7A9DB6D2B0A631F5777985D2638BB02B0D3A22F8CFEAC1590F1EED3E33334D03E42360344270F082BBEC8907E2B5D

Attachment	File Name	File Upload Date
Well Cross-Section Diagram	MAT203H10 592886 DEP Plat Page 4.pdf	01/03/2017

Cryptographic Hash Value of File (SHA-512)
EB486CE35E5CB37A05F9365C77EC01B9D21424470D7C44BD47FD6BE9949855D9AF80CCD0A654D07AB6DB10F06A575B7381D9A881E53A2D3B10A2A42F7F1AEC06