

**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 CHEVRON APPALACHIA LLC		Legal Name CHEVRON APPALACHIA, LLC	DEP Client ID# 279986	Phone 412-865-3140
Mailing Address (Street or PO Box) 700 CHERRINGTON PARKWAY		Address 2		
City CORAOPOLIS	State PA	Zip +4 15108		
Email Address bweimer@chevron.com		24/7 Emergency Contact Name / Number BRIAN RANKIN 724-564-3700		

WELL INFORMATION			
(Well) Farm Name EDENBORN/RGGS B			
Well # M11H	Serial # 37-051-1081	Project # (from DEP)	
County FAYETTE	Municipality GERMAN TWP	911 Address of Well site (or nearest intersection) 392 GATES ROAD ADAH PA 15410	
Is this an Unconventional well? Y	Is this a Coal well? Y	Bond Agreement ID 12754 - BLANKET (\$635,000)	Well Deepest Point (TVD) 8163

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 EDENBORN/RGGS B			
Will the proposed well location be covered under an existing or previous Erosion and Sediment Control General Permit? Y	ESCGP Number ESX18-051-0003	Will this well be built on a well pad? Y	Well Pad 155083-EDENBORN/RGGS B

COORDINATION QUESTIONS	
Will the well be subject to the Oil and Gas Conservation Law?	N
Will the proposed limit of disturbance of the well site be within 100 feet measured horizontally from any watercourse or any high quality or exceptional value body of water or any wetland one acre or greater in size?	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 a well site for which construction was completed prior to 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 requires an Earth Disturbance Permit for Oil and Gas Activities disturbing 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?	N
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?	BOTH OPEN VOID AND SOLID CORE
If this well will be drilled through an open void, provide name(s) of mined-out coal seam(s):	PITTSBURGH
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.)	1167
Latitude/Longitude	39 52 55.5200 -79 53 45.5500
Metadata Method	GPS - UNSPECIFIED
Accuracy (in ft.)	.2
Datum	North American Datum of 1983
Reference Elevation	1167
USGS Map Name	CARMICHAELS
USGS Map Section #	9
Offset South (in feet)	12600
Offset West (in feet)	5889

WELLBORE LOCATION INFORMATION	
WELLBORE SURFACE HOLE LOCATION	
Type of Wellbore	GAS
Wellbore Configuration	Horizontal Well
Target Formation	MARCELLUS FORMATION(MARCF)
Producing Formation	MARCELLUS FORMATION(MARCF)
Oldest Formation Penetrated	MARCELLUS FORMATION(MARCF)
Wellbore Origin Point Lat/Long	39 52 55.5200 -79 53 45.5500
Wellbore Origin Point True Vertical Depth (TVD)	2500
Wellbore Origin Point Total Measured Distance (TMD)	2500
Wellbore Deepest Point Lat/Long	39 53 13.9900 -79 53 20.1800
Wellbore Deepest Point True Vertical Depth (TVD)	8163
Wellbore Deepest Point Total Measured Distance (TMD)	9280
Bottom Hole Lat/Long	39 53 52.5900 -79 54 08.3900
Bottom Hole True Vertical Depth (TVD)	8163
Bottom Hole Total Measured Distance (TMD)	14700

WELL PAD LOCATION INFORMATION		
Well Pad Corner 1 Lat/Long	39 52 52.6008 -79 53 48.0408	
Well Pad Corner 2 Lat/Long	39 52 56.6004 -79 53 48.9012	
Well Pad Corner 3 Lat/Long	39 52 57.1692 -79 53 44.3400	
Well Pad Corner 4 Lat/Long	39 52 53.1696 -79 53 43.4904	
Well Site GPS Location Lat/Long	39 52 54.9516 -79 53 45.9816	
Well Site Access Road GPS Lat/Long	39 52 37.3188 -79 53 44.7000	
Metadata Method GPS - UNSPECIFIED	Accuracy (in ft.) ±2	Datum North American Datum of 1983

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	BRANDEN WEIMER
Document Generated	11/06/2018 09:09:26 AM

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INTERESTED PARTIES			
Interested Party BOROUGH OF MASONTOWN	Address 2 COURT AVENUE MASONTOWN, PA 15461	Notifications MU - Municipalities	
Municipality BOROUGH OF MASONTOWN	Notified MAIL	Certified Mail Sent Date 09/10/2018	Certified Mail Delivery Date 09/13/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party COMMONWEALTH OF PENNSYLVANIA	Address 2001 ELMERTON AVE HARRISBURG, PA 17110	Notifications SL - Surface Landowner	
Municipality	Notified MAIL	Certified Mail Sent Date 09/21/2018	Certified Mail Delivery Date 09/24/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party CUMBERLAND TOWNSHIP	Address 100 MUNICIPAL ROAD CARMICHAELS, PA 15320	Notifications MU - Municipalities	
Municipality CUMBERLAND TOWNSHIP	Notified MAIL	Certified Mail Sent Date 09/10/2018	Certified Mail Delivery Date 09/14/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party GEORGES TOWNSHIP	Address 1151 TOWNSHIP DRIVE UNIONTOWN, PA 15401	Notifications MU - Municipalities	
Municipality GEORGES TOWNSHIP	Notified MAIL	Certified Mail Sent Date 09/27/2018	Certified Mail Delivery Date 10/01/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party GERMAN TOWNSHIP	Address 2 LONG STREET MCCLELLANDTOWN, PA 15458	Notifications MU - Municipalities	
Municipality GERMAN TOWNSHIP	Notified MAIL	Certified Mail Sent Date 09/10/2018	Certified Mail Delivery Date 09/12/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party JAMES MATTHEW BROWN	Address 54 W. ELM STREET FAIRCHANCE, PA 15436	Notifications WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft	
Municipality	Notified MAIL	Certified Mail Sent Date 09/10/2018	Certified Mail Delivery Date 09/14/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 39 53 01.1868 -79 53 25.2600 Surface Water Body - Water Purveyor			
Interested Party LUZERNE TOWNSHIP	Address 415 HOPEWELL ROAD BROWNSVILLE, PA 15417	Notifications MU - Municipalities	
Municipality LUZERNE TOWNSHIP	Notified MAIL	Certified Mail Sent Date 09/10/2018	Certified Mail Delivery Date 09/12/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party MARK R. CERULLO ETAL	Address 233 GATES ROAD ADAH, PA 15410	Notifications WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft	
Municipality	Notified MAIL	Certified Mail Sent Date 09/10/2018	Certified Mail Delivery Date 09/13/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			

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39 52 53.7240 -79 54 14.7240 Surface Water Body - Water Purveyor			
Interested Party MARK R. CERULLO ETAL	Address 233 GATES ROAD ADAH, PA 15410	Notifications WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft	
Municipality	Notified MAIL	Certified Mail Sent Date 09/10/2018	Certified Mail Delivery Date 09/13/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 39 52 51.9960 -79 54 16.2720 Surface Water Body - Water Purveyor			
Interested Party MENALLEN TOWNSHIP	Address 427 SEARIGHT HERBERT ROAD UNIONTOWN, PA 15401	Notifications MU - Municipalities	
Municipality MENALLEN TOWNSHIP	Notified MAIL	Certified Mail Sent Date 09/10/2018	Certified Mail Delivery Date 09/12/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party MICHAEL & CHARITY P. KARLOWICZ	Address 375 GATES ROAD ADAH, PA 15410	Notifications WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft	
Municipality	Notified MAIL	Certified Mail Sent Date 09/10/2018	Certified Mail Delivery Date 09/14/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 39 52 32.8080 -79 53 55.2480 Water Well - Water Purveyor			
Interested Party MONONGAHELA TOWNSHIP	Address 128 MAPLE RIDGE ROAD GREENSBORO, PA 15338	Notifications MU - Municipalities	
Municipality MONONGAHELA TOWNSHIP	Notified MAIL	Certified Mail Sent Date 09/10/2018	Certified Mail Delivery Date 09/12/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party NICHOLSON TOWNSHIP	Address 142 WOODSIDE OLD FRAME ROAD SMITHFIELD, PA 15478	Notifications MU - Municipalities	
Municipality NICHOLSON TOWNSHIP	Notified MAIL	Certified Mail Sent Date 09/10/2018	Certified Mail Delivery Date 09/12/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party REDSTONE TOWNSHIP	Address 225 TWIN HILLS ROAD GRINDSTONE, PA 15442	Notifications MU - Municipalities	
Municipality REDSTONE TOWNSHIP	Notified MAIL	Certified Mail Sent Date 09/10/2018	Certified Mail Delivery Date 09/12/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party RGGS LAND & MINERALS LTD LP	Address 100 WAUGH DRIVE SUITE 400 HOUSTON, TX 77007	Notifications CO - Coal Owner	
Municipality	Notified MAIL	Certified Mail Sent Date 09/10/2018	Certified Mail Delivery Date 09/13/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party ROBERT JR. & PAT STERBUTZEL	Address PO BOX 337 MCCLELLANDTOWN, PA 15458	Notifications WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft	
Municipality	Notified MAIL	Certified Mail Sent Date 09/10/2018	Certified Mail Delivery Date 09/12/2018



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Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 39 52 37.1568 -79 53 15.6804 Surface Water Body - Water Purveyor			
Interested Party ROBERT L. & PATRICIA A. STERBUTZEL	Address PO BOX 337 MCCLELLANDTOWN, PA 15458	Notifications WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft	
Municipality	Notified MAIL	Certified Mail Sent Date 09/10/2018	Certified Mail Delivery Date 09/12/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 39 52 35.7037 -79 53 21.5833 Surface Water Body - Water Purveyor			
Interested Party SOUTH UNION TOWNSHIP	Address 151 TOWNSHIP DRIVE UNIONTOWN, PA 15401	Notifications MU - Municipalities	
Municipality SOUTH UNION TOWNSHIP	Notified MAIL	Certified Mail Sent Date 09/10/2018	Certified Mail Delivery Date 09/12/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			

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UPLOADED FILES		
Attachment Coordination of Well Location with Public Resources	File Name Edenborn M11H OG-76.pdf	File Upload Date 11/05/2018
Cryptographic Hash Value of File (SHA-512) DB1D485F9EAD5E3D60A9953AB1E4A0BAB468B788F4EB33A41A4524469EA094866DA426D904A01390C97AC215E65B3F2C224699B7D8C740AD8A89D671AFF7D8B0		
Attachment Location Plat	File Name Edenborn Well Plat M11H.dwg	File Upload Date 11/05/2018
Cryptographic Hash Value of File (SHA-512) D65C40D42A521DF574493758077C892F9AE8CE8507795C00220E4C37EB236A34E9623A9ABDB694EA0681835365858BA3488C9D2AD9F9321C3B6726A62859A1E0		
Attachment Pennsylvania Natural Diversity Inventory Form	File Name EdenbornRGGS PNDI.pdf	File Upload Date 11/05/2018
Cryptographic Hash Value of File (SHA-512) 032BD25F64114047EAE8B842CCB45F14E3761E8BED3F0C24A8F9F67869EE4864A475312BB01E9A4E80DE21A52985D50033604CA9FFA1FFA89FF61AACFC6BD4AF		
Attachment Well Cross-Section Diagram	File Name Edenborn RGGS M11H Page 4.pdf	File Upload Date 11/05/2018
Cryptographic Hash Value of File (SHA-512) 8D2DB303348C94568D32AA021A152ADF7B2921E75C252DB494AF09F9B606FF3F9852DB903798BBAC6623B13CC84C443EE7ABBD855A333A55619CF562058A86		