



pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

**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	FAX 412-865-2403
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 SHANE SIMMONS 724-564-3700			

WELL INFORMATION			
(Well) Farm Name EDENBORN/RGGS B			
Well # U16H	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) 14500

WELLBORE INFORMATION			
Wellbore Number 1	Wellbore Name WELLBORE SURFACE HOLE LOCATION	Type of Wellbore GAS	Wellbore Configuration Vertical Well
Wellbore Number 2	Wellbore Name WELLBORE SIDETRACK	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?	Y
Is the well at least 330 feet from outside lease or unit boundary?	Y
Does the location fall within an area covered by a spacing order?	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

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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
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?	N
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 SEAM
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 55.4000 -79 53 46.5000	
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)	12612	
Offset West (in feet)	5963	

WELLBORE LOCATION INFORMATION		
WELLBORE SURFACE HOLE LOCATION		
Type of Wellbore	GAS	
Wellbore Configuration	Vertical Well	
Target Formation	UTICA SHALE FORMATION(UTICF)	
Producing Formation	UTICA SHALE FORMATION(UTICF)	
Oldest Formation Penetrated	TRENTON LIMESTONE FORMATION(TRLSF)	
Wellbore Origin Point Lat/Long	39 52 55.4000 -79 53 46.5000	
Wellbore Origin Point True Vertical Depth (TVD)	14500	
Wellbore Origin Point Total Measured Distance (TMD)	14500	
Bottom Hole Lat/Long	39 52 55.4000 -79 53 46.5000	
Bottom Hole True Vertical Depth (TVD)	14500	
Bottom Hole Total Measured Distance (TMD)	14500	
WELLBORE SIDETRACK		
Type of Wellbore	GAS	
Wellbore Configuration	Horizontal Well	
Target Formation	UTICA SHALE FORMATION(UTICF)	
Producing Formation	UTICA SHALE FORMATION(UTICF)	
Oldest Formation Penetrated	TRENTON LIMESTONE FORMATION(TRLSF)	
Wellbore Origin Point Lat/Long	39 52 55.4000 -79 53 46.5000	
Wellbore Origin Point True Vertical Depth (TVD)	12000	
Wellbore Origin Point Total Measured Distance (TMD)	12000	
Wellbore Deepest Point Lat/Long	39 52 52.5000 -79 54 03.1700	
Wellbore Deepest Point True Vertical Depth (TVD)	14200	
Wellbore Deepest Point Total Measured Distance (TMD)	14964	
Bottom Hole Lat/Long	39 54 05.4700 -79 55 08.6500	
Bottom Hole True Vertical Depth (TVD)	14200	
Bottom Hole Total Measured Distance (TMD)	23941	

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	Accuracy (in ft.)	Datum
GPS - UNSPECIFIED	±2	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



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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	05/10/2019 10:54:38 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 04/17/2019	Certified Mail Delivery Date 04/19/2019
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 04/17/2019	Certified Mail Delivery Date 04/19/2019
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 04/17/2019	Certified Mail Delivery Date 04/24/2019
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 05/08/2019	Certified Mail Delivery Date 05/09/2019
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 04/17/2019	Certified Mail Delivery Date 04/23/2019
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 04/17/2019	Certified Mail Delivery Date
Address Affidavit Y	Written Consent N	Notification Acknowledgement Date	Uploaded Files Edenbon 16H Affidavit of NonDelivery.pdf
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 04/17/2019	Certified Mail Delivery Date 04/22/2019
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 04/17/2019	Certified Mail Delivery Date 04/19/2019
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			

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39 52 53.7250 -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 04/17/2019	Certified Mail Delivery Date 04/19/2019
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 04/17/2019	Certified Mail Delivery Date 04/22/2019
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 04/17/2019	Certified Mail Delivery Date 04/20/2019
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 04/17/2019	Certified Mail Delivery Date 04/19/2019
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 04/17/2019	Certified Mail Delivery Date 04/19/2019
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 04/17/2019	Certified Mail Delivery Date 04/19/2019
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 04/17/2019	Certified Mail Delivery Date 04/24/2019
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 04/17/2019	Certified Mail Delivery Date 04/19/2019



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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 04/17/2019	Certified Mail Delivery Date 04/19/2019
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 04/17/2019	Certified Mail Delivery Date 04/22/2019
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 16H OG-76.pdf	File Upload Date 05/10/2019
Cryptographic Hash Value of File (SHA-512) 95B68093C8F1D4B626CA55E0E286CCCE332E2795EE30C82A44CD49196ABFEE3EECDFFB17D85C2D90AE62830440D18CAF15CF2F2CE8FE92F9ABF7F7DB1FDED0F		
Attachment Location Plat	File Name Edenborn - Final Well Plat U16H - 2019.04.25.dwg	File Upload Date 05/10/2019
Cryptographic Hash Value of File (SHA-512) AA520B9B0B61000A328851A315681F359340F360C683F1D0C64F3121BD3CAF6D6D753050631DF856E432E9C52E2A59C48C4CE5D898F19A391F921A240CBB3236		
Attachment Pennsylvania Natural Diversity Inventory Form	File Name EdenbornRGGS PNDI.pdf	File Upload Date 05/10/2019
Cryptographic Hash Value of File (SHA-512) 032BD25F64114047EAE8B842CCB45F14E3761E8BED3F0C24A8F9F67869EE4864A475312BB01E9A4E80DE21A52985D50033604CA9FFA1FFA89FF61AACFC6BD4AF		
Attachment Well Cross-Section Diagram	File Name Edenborn U16H Page 4.pdf	File Upload Date 05/10/2019
Cryptographic Hash Value of File (SHA-512) 3131CE4F9B02A9F3DDDF36AEF2030319B09C4478182EA89BA2B4DDCA7EE6F651233DBB2D7897198BE558472FFCA44ED5C5B763EA1DC3A79410730539A697C845		
Attachment JAMES MATTHEW BROWN	File Name Edenbon 16H Affidavit of NonDelivery.pdf	File Upload Date 05/10/2019
Cryptographic Hash Value of File (SHA-512) 6083BEA1237263B1DF852FAB3C8B95944FABBA7F7ACAA8A4510F785BAEE35130DFDBEEF2DF0067EBD66F38F733DF43742649127B1E850BBD94921543EC3A213		