

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
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 YODER			
Well # 1H	Serial # MCLS 37-051-0969	Project # (from DEP)	
County FAYETTE	Municipality LUZERNE TWP	911 Address of Well site (or nearest intersection) 300 Krepps Lane East Millsboro PA 15433	
Is this an Unconventional well? Y	Is this a Coal well? N	Bond Agreement ID 12754 - BLANKET (\$635,000)	Well Deepest Point (TVD) 8000

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 YODER			
Will the proposed well location be covered under an existing or previous Erosion and Sediment Control General Permit? Y	ESCGP Number ESX15-051-0007	Will this well be built on a well pad? Y	Well Pad 153100-YODER

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?	N
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

PERMIT APPLICATION TO DRILL AND OPERATE AN UNCONVENTIONAL WELL

WELLBORE SURFACE-HOLE LOCATION	
Surface elevation (in ft.)	1118
Latitude/Longitude	39 58 32.4700 -79 55 25.9400
Metadata Method	GPS - UNSPECIFIED
Accuracy (in ft.)	5
Datum	North American Datum of 1983
Reference Elevation	1118
USGS Map Name	CARMICHAELS
USGS Map Section #	2
Offset South (in feet)	8857
Offset West (in feet)	2022

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 58 32.4700 -79 55 25.9400
Wellbore Origin Point True Vertical Depth (TVD)	2400
Wellbore Origin Point Total Measured Distance (TMD)	2400
Wellbore Deepest Point Lat/Long	39 58 26.7200 -79 55 50.1600
Wellbore Deepest Point True Vertical Depth (TVD)	8000
Wellbore Deepest Point Total Measured Distance (TMD)	8694
Bottom Hole Lat/Long	39 59 33.8200 -79 57 13.5200
Bottom Hole True Vertical Depth (TVD)	8000
Bottom Hole Total Measured Distance (TMD)	18085

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 58 32.4588 -79 55 25.5504
Well Site Access Road GPS Lat/Long	39 58 34.5720 -79 55 34.6800

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	02/14/2018 03:51:09 PM

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

PERMIT APPLICATION TO DRILL AND OPERATE AN UNCONVENTIONAL WELL

INTERESTED PARTIES			
Interested Party BOROUGH OF BROWNSVILLE	Address 200 SECOND STREET BROWNSVILLE, PA 15417	Notifications MU - Municipalities	
Municipality BOROUGH OF BROWNSVILLE	Notified MAIL	Certified Mail Sent Date 02/08/2018	Certified Mail Delivery Date 02/09/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party BOROUGH OF RICES LANDING	Address 137 MAIN STREET PO BOX 185 RICES LANDING, PA 15357	Notifications MU - Municipalities	
Municipality BOROUGH OF RICES LANDING	Notified MAIL	Certified Mail Sent Date 02/08/2018	Certified Mail Delivery Date 02/09/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party BROWNSVILLE TOWNSHIP	Address 232 BROWN STREET BROWNSVILLE, PA 15417	Notifications MU - Municipalities	
Municipality BROWNSVILLE TOWNSHIP	Notified MAIL	Certified Mail Sent Date 02/08/2018	Certified Mail Delivery Date 02/12/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party CENTERVILLE BOROUGH	Address 100 EAST END ROAD BROWNSVILLE, PA 15417	Notifications MU - Municipalities	
Municipality CENTERVILLE BOROUGH	Notified MAIL	Certified Mail Sent Date 02/08/2018	Certified Mail Delivery Date 02/09/2018
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 02/08/2018	Certified Mail Delivery Date 02/13/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party EAST BETHLEHEM TOWNSHIP	Address 36 WATER STREET PO BOX 687 FREDERICKTOWN, PA 15333	Notifications MU - Municipalities	
Municipality EAST BETHLEHEM TOWNSHIP	Notified MAIL	Certified Mail Sent Date 02/08/2018	Certified Mail Delivery Date 02/12/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party EDWARD & ANGELINA M YODER	Address 295 KREPPS LANE EAST MILLSBORO, PA 15433	Notifications SL - Surface Landowner WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft CO - Coal Owner	
Municipality	Notified MAIL	Certified Mail Sent Date 02/08/2018	Certified Mail Delivery Date 02/12/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 39 58 45.1000 -79 55 40.8100 Surface Water Body - Water Purveyor			
Interested Party	Address	Notifications	

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

PERMIT APPLICATION TO DRILL AND OPERATE AN UNCONVENTIONAL WELL

EDWARD & ANGELINA M YODER	295 KREPPS LANE EAST MILLSBORO, PA 15433	SL - Surface Landowner WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft	
Municipality	Notified MAIL	Certified Mail Sent Date 02/08/2018	Certified Mail Delivery Date 02/12/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 39 58 41.1200 -79 55 41.9900 Water Well - Water Purveyor			

Interested Party EDWARD & ANGELINA M YODER	Address 295 KREPPS LANE EAST MILLSBORO, PA 15433	Notifications SL - Surface Landowner WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft	
Municipality	Notified MAIL	Certified Mail Sent Date 02/08/2018	Certified Mail Delivery Date 02/12/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 39 58 42.4200 -79 55 43.2800 Surface Water Body - Water Purveyor			

Interested Party EDWARD & ANGELINA M YODER	Address 295 KREPPS LANE EAST MILLSBORO, PA 15433	Notifications SL - Surface Landowner WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft	
Municipality	Notified MAIL	Certified Mail Sent Date 02/08/2018	Certified Mail Delivery Date 02/12/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 39 58 42.1400 -79 55 41.9600 Surface Water Body - Water Purveyor			

Interested Party EDWARD & ANGELINA M YODER	Address 295 KREPPS LANE EAST MILLSBORO, PA 15433	Notifications SL - Surface Landowner WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft	
Municipality	Notified MAIL	Certified Mail Sent Date 02/08/2018	Certified Mail Delivery Date 02/12/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 39 58 41.7400 -79 55 45.4000 Surface Water Body - Water Purveyor			

Interested Party EDWARD & ANGELINA M YODER	Address 295 KREPPS LANE EAST MILLSBORO, PA 15433	Notifications SL - Surface Landowner WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft	
Municipality	Notified MAIL	Certified Mail Sent Date 02/08/2018	Certified Mail Delivery Date 02/12/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 39 58 54.5300 -79 55 32.0700 Surface Water Body - Water Purveyor			

Interested Party EDWARD & ANGELINA M YODER	Address 295 KREPPS LANE EAST MILLSBORO, PA 15433	Notifications SL - Surface Landowner WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft	
Municipality	Notified MAIL	Certified Mail Sent Date 02/08/2018	Certified Mail Delivery Date 02/12/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 39 58 59.2500 -79 55 39.0100 Surface Water Body - Water Purveyor			

Interested Party EDWARD & ANGELINA M YODER	Address 295 KREPPS LANE EAST MILLSBORO, PA 15433	Notifications SL - Surface Landowner WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft	
Municipality	Notified MAIL	Certified Mail Sent Date 02/08/2018	Certified Mail Delivery Date 02/12/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 39 58 29.5500 -79 55 17.4400 Surface Water Body - Water Purveyor			

Interested Party	Address	Notifications	
------------------	---------	---------------	--

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

PERMIT APPLICATION TO DRILL AND OPERATE AN UNCONVENTIONAL WELL

EDWARD & ANGELINA M YODER	295 KREPPS LANE EAST MILLSBORO, PA 15433	SL - Surface Landowner WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft	
Municipality	Notified MAIL	Certified Mail Sent Date 02/08/2018	Certified Mail Delivery Date 02/12/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 39 58 29.3500 -79 55 17.4900 Water Well - Water Purveyor			

Interested Party EDWARD & ANGELINA M YODER	Address 295 KREPPS LANE EAST MILLSBORO, PA 15433	Notifications SL - Surface Landowner WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft	
Municipality	Notified MAIL	Certified Mail Sent Date 02/08/2018	Certified Mail Delivery Date 02/12/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 39 58 32.2700 -79 55 16.3000 Water Well - Water Purveyor			

Interested Party GERMAN TOWNSHIP	Address 2 LONG STREET MCCLELLANDTOWN, PA 15458	Notifications MU - Municipalities	
Municipality GERMAN TOWNSHIP	Notified MAIL	Certified Mail Sent Date 02/08/2018	Certified Mail Delivery Date 02/09/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			

Interested Party JACK C. MOORE	Address PO BOX 93 HILLER, PA 15444	Notifications WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft	
Municipality	Notified MAIL	Certified Mail Sent Date 02/08/2018	Certified Mail Delivery Date 02/09/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 39 58 51.1000 -79 54 59.1600 Surface Water Body - Water Purveyor			

Interested Party JACK C. MOORE	Address PO BOX 93 HILLER, PA 15444	Notifications WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft	
Municipality	Notified MAIL	Certified Mail Sent Date 02/08/2018	Certified Mail Delivery Date 02/09/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 39 58 51.0800 -79 54 57.9200 Surface Water Body - Water Purveyor			

Interested Party JEFFERSON TOWNSHIP	Address 173 GOSLIN ROAD RICES LANDING, PA 15357	Notifications MU - Municipalities	
Municipality JEFFERSON TOWNSHIP	Notified MAIL	Certified Mail Sent Date 02/08/2018	Certified Mail Delivery Date 02/12/2018
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 02/08/2018	Certified Mail Delivery Date 02/09/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			

Interested Party RALPH D. CAVANAUGH III	Address 241 KREPPS LANE EAST MILLSBORO, PA 15433	Notifications WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft	
Municipality	Notified MAIL	Certified Mail Sent Date 02/08/2018	Certified Mail Delivery Date 02/10/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files

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

PERMIT APPLICATION TO DRILL AND OPERATE AN UNCONVENTIONAL WELL

Water Source Locations 39 58 17.7000 -79 55 42.1900 Water Well - Water Purveyor			
Interested Party REDSTONE TOWNSHIP	Address 225 TWIN HILLS ROAD GRINDSTONE, PA 15442	Notifications MU - Municipalities	
Municipality REDSTONE TOWNSHIP	Notified MAIL	Certified Mail Sent Date 02/08/2018	Certified Mail Delivery Date 02/09/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party WAYNE D. & MARY L. PORTER	Address 9527 GREYSTONE PARKWAY BRECKSVILLE, OH 44141	Notifications WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft	
Municipality	Notified MAIL	Certified Mail Sent Date 02/08/2018	Certified Mail Delivery Date 02/10/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 39 58 20.0900 -79 55 12.8200 Surface Water Body - Water Purveyor			
Interested Party WAYNE D. & MARY L. PORTER	Address 9527 GREYSTONE PARKWAY BRECKSVILLE, OH 44141	Notifications WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft	
Municipality	Notified MAIL	Certified Mail Sent Date 02/08/2018	Certified Mail Delivery Date 02/10/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 39 58 20.4800 -79 55 13.5700 Surface Water Body - Water Purveyor			
Interested Party WAYNE D. & MARY L. PORTER	Address 9527 GREYSTONE PARKWAY BRECKSVILLE, OH 44141	Notifications WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft	
Municipality	Notified MAIL	Certified Mail Sent Date 02/08/2018	Certified Mail Delivery Date 02/10/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 39 58 19.4600 -79 55 15.0300 Surface Water Body - Water Purveyor			
Interested Party WAYNE D. & MARY L. PORTER	Address 9527 GREYSTONE PARKWAY BRECKSVILLE, OH 44141	Notifications WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft	
Municipality	Notified MAIL	Certified Mail Sent Date 02/08/2018	Certified Mail Delivery Date 02/10/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 39 58 18.6200 -79 55 07.9800 Surface Water Body - Water Purveyor			
Interested Party WAYNE D. & MARY L. PORTER	Address 9527 GREYSTONE PARKWAY BRECKSVILLE, OH 44141	Notifications WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft	
Municipality	Notified MAIL	Certified Mail Sent Date 02/08/2018	Certified Mail Delivery Date 02/10/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 39 58 18.0800 -79 55 04.3900 Surface Water Body - Water Purveyor			
Interested Party WAYNE D. & MARY L. PORTER	Address 9527 GREYSTONE PARKWAY BRECKSVILLE, OH 44141	Notifications WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft	
Municipality	Notified MAIL	Certified Mail Sent Date 02/08/2018	Certified Mail Delivery Date 02/10/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 39 58 14.9000 -79 55 04.5300 Surface Water Body - Water Purveyor			

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

PERMIT APPLICATION TO DRILL AND OPERATE AN UNCONVENTIONAL WELL

UPLOADED FILES		
Attachment Justification for Non-Coal Well	File Name Yoder Non Coal Packet.pdf	File Upload Date 02/14/2018
Cryptographic Hash Value of File (SHA-512) CFA85045C07E9D129ACFC39D9B056AC692FCC9AAD4D60241243967737FEDD09709EF0CD7B88DDFEFFA12350491716CF934A763301339BA655C4BA2BBC4360431		
Attachment Location Plat	File Name Yoder Well Plat 1H.dwg	File Upload Date 02/14/2018
Cryptographic Hash Value of File (SHA-512) 8278ACC793C88FA39790EF781600E149277A856CE523D4D3A13E93F68F3560743400EB3CDAE2BA292E249BF08446C545CA24C169D3400F7272EE540D64076D1A		
Attachment Pennsylvania Natural Diversity Inventory Form	File Name Yoder PNDI.PDF	File Upload Date 02/14/2018
Cryptographic Hash Value of File (SHA-512) 7364C0C30E1B51DCC20C18E17AB9EDA38DE51A25C149CC9B35505735D80E8E77FA1E54C1AA418BBCA1725C6212DCD0BB64ACDA31BFD8597631F2B6EB31D9E7D9		
Attachment Well Cross-Section Diagram	File Name Yoder 1H_Page 4.pdf	File Upload Date 02/14/2018
Cryptographic Hash Value of File (SHA-512) 0CB1494006A289B4F30B58263FF77A2838F1E57AED43D8C595CF8EE997FE9819380A68A6C4EF25760FB078F5EF12849E0028C5B897265C1686B16F1352E8D2FF		