



**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
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 SIEGEL			
Well # 3H	Serial # MCLS 37-051-2010	Project # (from DEP)	
County FAYETTE	Municipality LUZERNE TWP	911 Address of Well site (or nearest intersection) 244 Heisterburg Road East Millsboro PA 15433	
Is this an Unconventional well? Y	Is this a Coal well? Y	Bond Agreement ID 12754 - BLANKET (\$635,000)	Well Deepest Point (TVD) 7844

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 SIEGEL 1			
Will the proposed well location be covered under an existing or previous Erosion and Sediment Control General Permit? Y	ESCGP Number ESX15-051-0005	Will this well be built on a well pad? Y	Well Pad 152926-SIEGEL 1

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

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?	N
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?	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?	OPEN VOID
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

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WELLBORE SURFACE-HOLE LOCATION	
Surface elevation (in ft.)	1173
Latitude/Longitude	39 58 08.0100 -79 58 08.1400
Metadata Method	GPS - UNSPECIFIED
Accuracy (in ft.)	5
Datum	North American Datum of 1983
Reference Elevation	1173
USGS Map Name	CARMICHAELS
USGS Map Section #	1
Offset South (in feet)	11333
Offset West (in feet)	2972

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 08.0100 -79 58 08.1400
Wellbore Origin Point True Vertical Depth (TVD)	5500
Wellbore Origin Point Total Measured Distance (TMD)	5500
Wellbore Deepest Point Lat/Long	39 57 58.9200 -79 58 04.5400
Wellbore Deepest Point True Vertical Depth (TVD)	7844
Wellbore Deepest Point Total Measured Distance (TMD)	8302
Bottom Hole Lat/Long	39 56 17.2400 -79 55 52.7200
Bottom Hole True Vertical Depth (TVD)	7844
Bottom Hole Total Measured Distance (TMD)	22837

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 08.2992 -79 58 07.6584
Well Site Access Road GPS Lat/Long	39 58 19.1640 -79 58 10.9920

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	01/05/2018 09:22:25 AM

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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 11/15/2017	Certified Mail Delivery Date 11/17/2017
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 11/15/2017	Certified Mail Delivery Date 11/20/2017
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party BRENT G. & WANDA Y. BROADWATER	Address 254 CEMETERY ROAD 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 11/15/2017	Certified Mail Delivery Date 11/18/2017
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 39 57 55.1300 -79 58 20.9000 Surface Water Body - Private Supply			
Interested Party BROWNSVILLE TOWNSHIP	Address 232 BROWN STREET BROWNSVILLE, PA 15417	Notifications MU - Municipalities	
Municipality BROWNSVILLE TOWNSHIP	Notified MAIL	Certified Mail Sent Date 11/15/2017	Certified Mail Delivery Date 11/24/2017
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 11/15/2017	Certified Mail Delivery Date 11/17/2017
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party CRAIG S. CHRISTOPHER	Address 133 WEST BEND ROAD 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 11/15/2017	Certified Mail Delivery Date 11/18/2017
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 39 58 16.7700 -79 58 30.3900 Water Well - Private Supply			
Interested Party CUMBERLAND TOWNSHIP	Address 100 MUNICIPAL ROAD CARMICHAELS, PA 15320	Notifications MU - Municipalities	
Municipality CUMBERLAND TOWNSHIP	Notified MAIL	Certified Mail Sent Date 11/15/2017	Certified Mail Delivery Date 11/17/2017
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Water Source Locations			
Interested Party	Address	Notifications	

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EAST BETHLEHEM TOWNSHIP	36 WATER STREET PO BOX 687 FREDERICKTOWN, PA 15333	MU - Municipalities	
Municipality EAST BETHLEHEM TOWNSHIP	Notified MAIL	Certified Mail Sent Date 11/15/2017	Certified Mail Delivery Date 11/18/2017
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 11/15/2017	Certified Mail Delivery Date 11/17/2017
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party JAMES JACK CONNER	Address 104 WEST BEND ROAD 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 11/15/2017	Certified Mail Delivery Date 11/20/2017
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 39 58 20.8700 -79 58 27.3800 Water Well - Private Supply			
Interested Party JEFFERSON TOWNSHIP	Address 173 GOSLIN ROAD RICES LANDING, PA 15357	Notifications MU - Municipalities	
Municipality JEFFERSON TOWNSHIP	Notified MAIL	Certified Mail Sent Date 11/15/2017	Certified Mail Delivery Date 11/21/2017
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 11/15/2017	Certified Mail Delivery Date 11/17/2017
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party MARK A. & MARIANE R. KARA	Address 231 HEISTERSBURG ROAD 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 11/15/2017	Certified Mail Delivery Date 11/20/2017
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 39 58 20.7800 -79 58 13.3400 Surface Water Body - Private Supply			
Interested Party MARK A. & MARIANE R. KARA	Address 231 HEISTERSBURG ROAD 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 11/15/2017	Certified Mail Delivery Date 11/20/2017
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 39 58 24.2800 -79 58 13.0000 Surface Water Body - Private Supply			
Interested Party MARK SIMON SIEGEL	Address 439 BB SAMS DRIVE SAINT HELENA ISLAND, NC 29920	Notifications SL - Surface Landowner WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft CO - Coal Owner	

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Municipality	Notified MAIL	Certified Mail Sent Date 11/15/2017	Certified Mail Delivery Date 11/25/2017
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 39 58 01.5600 -79 57 52.3900 Surface Water Body - Private Supply			
Interested Party NELLIE P. FOSTER	Address 502 N LEWIS RUN ROAD APT 103 PITTSBURGH, PA 15122	Notifications WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft	
Municipality	Notified MAIL	Certified Mail Sent Date 11/21/2017	Certified Mail Delivery Date
Address Affidavit Y	Written Consent N	Notification Acknowledgement Date	Uploaded Files Siegel Affidavit of Non-Delivery Foster.pdf
Water Source Locations 39 58 06.3800 -79 58 36.2000 Surface Water Body - Private Supply 39 58 07.0800 -79 58 37.6900 Surface Water Body - Private Supply 39 58 02.2100 -79 58 40.2100 Surface Water Body - Private Supply 39 57 59.9500 -79 58 40.2300 Surface Water Body - Private Supply 39 58 02.1400 -79 58 34.9600 Surface Water Body - Private Supply 39 58 03.7400 -79 58 34.0000 Surface Water Body - Private Supply 39 58 02.6500 -79 58 34.9600 Surface Water Body - Private Supply			
Interested Party REDSTONE TOWNSHIP	Address 225 TWIN HILLS ROAD GRINDSTONE, PA 15442	Notifications MU - Municipalities	
Municipality REDSTONE TOWNSHIP	Notified MAIL	Certified Mail Sent Date 11/15/2017	Certified Mail Delivery Date 11/17/2017
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party RUSSELL W. JR. & CHARLENE D. FRANKS	Address 372 HEISTERSBURG ROAD 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 11/15/2017	Certified Mail Delivery Date
Address Affidavit Y	Written Consent N	Notification Acknowledgement Date	Uploaded Files Siegel Affidavit of Non-Delivery Franks.pdf
Water Source Locations 39 58 07.4300 -79 57 28.0700 Water Well - Private Supply			
Interested Party RUSSELL W. JR. & CHARLENE D. FRANKS	Address 372 HEISTERSBURG ROAD 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 11/15/2017	Certified Mail Delivery Date
Address Affidavit Y	Written Consent N	Notification Acknowledgement Date	Uploaded Files Siegel Affidavit of Non-Delivery Franks.pdf
Water Source Locations 39 58 07.0500 -79 57 27.5500 Water Well - Private Supply			
Interested Party STEPHEN SIEGEL	Address 118 W 8TH STREET ASPINWALL, PA 15215	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 11/15/2017	Certified Mail Delivery Date 11/18/2017
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 39 58 01.5600 -79 57 52.3900 Surface Water Body - Private Supply			
Interested Party TREVER L. BOOKHARDT	Address 141 WEST BEND ROAD 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 11/15/2017	Certified Mail Delivery Date 11/20/2017
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			



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39 58 13.8700 -79 58 33.0400 Water Well - Private Supply			
Interested Party WALTER B. & PHYLLIS M. PALMER	Address 575 PALMER 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 11/15/2017	Certified Mail Delivery Date 11/21/2017
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 39 58 37.9300 -79 58 17.6800 Surface Water Body - Private Supply			

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UPLOADED FILES		
Attachment Coal and Gas Resource Coord Act - Section 7 Exception	File Name Siegel 1H-9H Waiver Request Section 7.pdf	File Upload Date 01/04/2018
Cryptographic Hash Value of File (SHA-512) DEB3840AB4747B118266F6F13BA80B298C72131173E7001674F96259D88AB01F093458D6F6C8B6CD048BFB90897993174D7D3B25A769016ACDE719822A51BA2A		
Attachment Location Plat	File Name 143-781-Well Plat 3H-pages1-2-3_3702.dwg	File Upload Date 01/04/2018
Cryptographic Hash Value of File (SHA-512) 382E525B32C6FFB4BCA5A26764ED63FAAE332196426B423EF3E393D82D33E3051F49560AC9D68D723D21C1F4198E8D0B1EC0D4D288A721F4E9D1EEC3B79F150C		
Attachment Pennsylvania Natural Diversity Inventory Form	File Name Siegel PNDI.pdf	File Upload Date 01/04/2018
Cryptographic Hash Value of File (SHA-512) 9FA67331A7F7BBBA324150D03C33C884A4E42C2D8A49D428B747567EAA665E4E9B8D0AA64AEE41F4CFE7ECB5E4B36A052D719789B6CF4C53D7EB5F0D0DD3FAFD		
Attachment Well Cross-Section Diagram	File Name Siegel 3H Page 4.pdf	File Upload Date 01/04/2018
Cryptographic Hash Value of File (SHA-512) 27936E5307EDFA8672D455E6CB0FC1E1F73346E4C33A82D5963CC744406BCB229E3A3860ADBDB087D01745C8EB8D698150AF2BEE183C3E311E772EA20823B0B9		
Attachment NELLIE P. FOSTER	File Name Siegel Affidavit of Non-Delivery Foster.pdf	File Upload Date 01/04/2018
Cryptographic Hash Value of File (SHA-512) 038F609C88C85886791298B2CD8BEE4EFC7C66A67D75849EC6CCC2CED46686D74E3F0039B8A2846E58F1204568F807EE9173C706E199347BDEA3585AC7624FEE		
Attachment RUSSELL W. JR. & CHARLENE D. FRANKS	File Name Siegel Affidavit of Non-Delivery Franks.pdf	File Upload Date 01/04/2018
Cryptographic Hash Value of File (SHA-512) 95E8FEF66C4CCB7BF34A7C4459C7F2B1BBA3C55F488A42059F3FEB842A45FDB7BCF4651A7EB022CF1900E8EEB4A1DD1340C862F9D8D7C2F1208BA6A7CFF81AF7		