



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 SHANE SIMMONS 724-564-3700 | | | |

| WELL INFORMATION | | | |
|--------------------------------------|------------------------------|---|----------------------------------|
| (Well) Farm Name HERRIOTT | | | |
| Well # M03H | Serial # MCLS 37-051-1312 | Project # (from DEP) | |
| County FAYETTE | Municipality GERMAN TWP | 911 Address of Well site (or nearest intersection) 266 COLLEGE AVE MCCLELLANDTOWN PA 15458 | |
| Is this an Unconventional well? Y | Is this a Coal well? Y | Bond Agreement ID 12754 - BLANKET (\$635,000) | Well Deepest Point (TVD) 8315 |

| 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 HERRIOTT | | | |
| Will the proposed well location be covered under an existing or previous Erosion and Sediment Control General Permit? Y | ESCGP Number ESX18-051-0002 | Will this well be built on a well pad? Y | Well Pad 155082-HERRIOTT |

| 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? | 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 |

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| WELLBORE SURFACE-HOLE LOCATION | |
|--------------------------------|------------------------------|
| Surface elevation (in ft.) | 1265 |
| Latitude/Longitude | 39 53 52.6700 -79 52 40.4500 |
| Metadata Method | GPS - UNSPECIFIED |
| Accuracy (in ft.) | 5 |
| Datum | North American Datum of 1983 |
| Reference Elevation | 1265 |
| USGS Map Name | CARMICHAELS |
| USGS Map Section # | 9 |
| Offset South (in feet) | 6813 |
| Offset West (in feet) | 817 |

| 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 53 52.6700 -79 52 40.4500 |
| Wellbore Origin Point True Vertical Depth (TVD) | 2600 |
| Wellbore Origin Point Total Measured Distance (TMD) | 2600 |
| Wellbore Deepest Point Lat/Long | 39 54 04.3700 -79 52 48.9300 |
| Wellbore Deepest Point True Vertical Depth (TVD) | 8315 |
| Wellbore Deepest Point Total Measured Distance (TMD) | 8771 |
| Bottom Hole Lat/Long | 39 55 10.1900 -79 54 13.8300 |
| Bottom Hole True Vertical Depth (TVD) | 8315 |
| Bottom Hole Total Measured Distance (TMD) | 18158 |

| WELL PAD LOCATION INFORMATION | | |
|--------------------------------------|------------------------------|---------------------------------------|
| Well Pad Corner 1 Lat/Long | 39 53 53.2104 -79 52 46.2288 | |
| Well Pad Corner 2 Lat/Long | 39 53 55.0608 -79 52 39.0504 | |
| Well Pad Corner 3 Lat/Long | 39 53 51.6912 -79 52 37.5888 | |
| Well Pad Corner 4 Lat/Long | 39 53 50.3988 -79 52 42.5712 | |
| Well Site GPS Location Lat/Long | 39 53 52.7316 -79 52 40.8108 | |
| Well Site Access Road GPS Lat/Long | 39 53 51.6516 -79 52 50.3508 | |
| Metadata Method GPS - UNSPECIFIED | Accuracy (in ft.) ±5 | 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 | 02/14/2019 03:00:25 PM |

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| INTERESTED PARTIES | | | |
|--|--|---|--|
| Interested Party BLAINE & ANITA HOMISTEK | Address 171 MCCLELLANDTOWN-LAMBERT ROAD MCCLELLANDTOWN, PA 15458 | Notifications WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft | |
| Municipality | Notified MAIL | Certified Mail Sent Date 01/04/2019 | Certified Mail Delivery Date 01/08/2019 |
| Address Affidavit N | Written Consent N | Notification Acknowledgement Date | Uploaded Files |
| Water Source Locations 39 54 16.2400 -79 52 09.3200 Surface Water Body - Water Purveyor | | | |
| Interested Party CHARLES BELCH | Address PO BOX 214 COLLEGE AVE EXT MCCLELLANDTOWN, PA 15458 | Notifications WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft | |
| Municipality | Notified MAIL | Certified Mail Sent Date 01/04/2019 | Certified Mail Delivery Date 01/07/2019 |
| Address Affidavit N | Written Consent N | Notification Acknowledgement Date | Uploaded Files |
| Water Source Locations 39 53 31.2100 -79 52 27.2800 Water Well - Water Purveyor | | | |
| Interested Party CUMBERLAND TOWNSHIP | Address 100 MUNICIPAL ROAD CARMICHAELS, PA 15320 | Notifications MU - Municipalities | |
| Municipality CUMBERLAND TOWNSHIP | Notified MAIL | Certified Mail Sent Date 01/04/2019 | Certified Mail Delivery Date 01/07/2019 |
| Address Affidavit N | Written Consent N | Notification Acknowledgement Date | Uploaded Files |
| Water Source Locations | | | |
| Interested Party DOLORES BERKSHIRE | Address 262 COLLEGE AVENUE MCCLELLANDTOWN, PA 15458 | Notifications WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft Coal Owner | |
| Municipality | Notified MAIL | Certified Mail Sent Date 01/04/2019 | Certified Mail Delivery Date 01/07/2019 |
| Address Affidavit N | Written Consent N | Notification Acknowledgement Date | Uploaded Files |
| Water Source Locations 39 53 46.7200 -79 52 29.1400 Water Well - Water Purveyor | | | |
| Interested Party DOLORES BERKSHIRE | Address 262 COLLEGE AVENUE MCCLELLANDTOWN, PA 15458 | Notifications WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft | |
| Municipality | Notified MAIL | Certified Mail Sent Date 01/04/2019 | Certified Mail Delivery Date 01/07/2019 |
| Address Affidavit N | Written Consent N | Notification Acknowledgement Date | Uploaded Files |
| Water Source Locations 39 53 36.4500 -79 52 25.3100 Water Well - Water Purveyor | | | |
| Interested Party DOLORES BERKSHIRE | Address 262 COLLEGE AVENUE MCCLELLANDTOWN, PA 15458 | Notifications WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft | |
| Municipality | Notified MAIL | Certified Mail Sent Date 01/04/2019 | Certified Mail Delivery Date 01/07/2019 |
| Address Affidavit N | Written Consent N | Notification Acknowledgement Date | Uploaded Files |
| Water Source Locations 39 53 35.9700 -79 52 25.0000 Surface Water Body - Water Purveyor | | | |
| Interested Party GARY J. & PATRICIA SYREK | Address 225 BALL HILL 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 01/04/2019 | Certified Mail Delivery Date 01/09/2019 |
| Address Affidavit N | Written Consent N | Notification Acknowledgement Date | Uploaded Files |
| Water Source Locations 39 53 53.0500 -79 53 09.9700 Surface Water Body - Water Purveyor | | | |
| Interested Party GEORGES TOWNSHIP | Address 1151 TOWNSHIP DRIVE | Notifications MU - Municipalities | |

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| | | | |
|--|--|--|--|
| | UNIONTOWN, PA 15401 | | |
| Municipality GEORGES TOWNSHIP | Notified MAIL | Certified Mail Sent Date 01/04/2019 | Certified Mail Delivery Date 01/07/2019 |
| 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 | | |
| Municipality GERMAN TOWNSHIP | Notified MAIL | Certified Mail Sent Date 01/04/2019 | Certified Mail Delivery Date 01/07/2019 |
| Address Affidavit N | Written Consent N | Notification Acknowledgement Date | Uploaded Files |
| Water Source Locations | | | |
| Interested Party JAMES F. & MARLENE WINTER | Address 5138 FRICK DRIVE PITTSBURGH, PA 15227 | | |
| Municipality | Notified MAIL | Certified Mail Sent Date 01/04/2019 | Certified Mail Delivery Date 01/07/2019 |
| Address Affidavit N | Written Consent N | Notification Acknowledgement Date | Uploaded Files |
| Water Source Locations 39 54 23.0700 -79 52 37.4200 Water Well - Water Purveyor | | | |
| Interested Party JASON & KOLLEEN DANKLE | Address 278 MCCLELLANDTOWN-LAMBERT ROAD MCCLELLANDTOWN, PA 15458 | | |
| Municipality | Notified MAIL | Certified Mail Sent Date 01/04/2019 | Certified Mail Delivery Date 01/22/2019 |
| Address Affidavit N | Written Consent N | Notification Acknowledgement Date | Uploaded Files |
| Water Source Locations 39 53 48.3300 -79 52 01.3900 Surface Water Body - Water Purveyor | | | |
| Interested Party JOSEPH HERRIOTT | Address 267 COLLEGE AVENUE MCCLELLANDTOWN, PA 16808 | | |
| Municipality | Notified MAIL | Certified Mail Sent Date 01/04/2019 | Certified Mail Delivery Date 01/08/2019 |
| Address Affidavit N | Written Consent N | Notification Acknowledgement Date | Uploaded Files |
| Water Source Locations | | | |
| Interested Party KARI MICHELLE & RUSSELL PARSONS | Address 171 MCCLELLANDTOWN-LAMBERT ROAD MCCLELLANDTOWN, PA 15458 | | |
| Municipality | Notified MAIL | Certified Mail Sent Date 01/04/2019 | Certified Mail Delivery Date 01/07/2019 |
| Address Affidavit N | Written Consent N | Notification Acknowledgement Date | Uploaded Files |
| Water Source Locations 39 54 04.8500 -79 52 21.4800 Surface Water Body - Water Purveyor | | | |
| Interested Party LUZERNE TOWNSHIP | Address 415 HOPEWELL ROAD BROWNSVILLE, PA 15417 | | |
| Municipality LUZERNE TOWNSHIP | Notified MAIL | Certified Mail Sent Date 01/04/2019 | Certified Mail Delivery Date 01/07/2019 |
| Address Affidavit N | Written Consent N | Notification Acknowledgement Date | Uploaded Files |
| Water Source Locations | | | |
| Interested Party MASONTOWN BOROUGH | Address 1 EAST CHURCH AVENUE MASONTOWN, PA 15461 | | |
| Municipality MASONTOWN BOROUGH | Notified MAIL | Certified Mail Sent Date 01/04/2019 | Certified Mail Delivery Date 01/07/2019 |
| Address Affidavit N | Written Consent N | Notification Acknowledgement Date | Uploaded Files |

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| | | | |
|---|---|--|--|
| Water Source Locations | | | |
| Interested Party MENALLEN TOWNSHIP | Address 427 SEARIGHT HERBERT ROAD UNIONTOWN, PA 15401 | Notifications MU - Municipalities | |
| Municipality MENALLEN TOWNSHIP | Notified MAIL | Certified Mail Sent Date 01/04/2019 | Certified Mail Delivery Date 01/07/2019 |
| Address Affidavit N | Written Consent N | Notification Acknowledgement Date | Uploaded Files |
| Water Source Locations | | | |
| Interested Party MONONGAHELA TOWNSHIP | Address 128 MAPLE RIDGE ROAD GREENSBORO, PA 15338 | Notifications MU - Municipalities | |
| Municipality MONONGAHELA TOWNSHIP | Notified MAIL | Certified Mail Sent Date 01/04/2019 | Certified Mail Delivery Date 01/07/2019 |
| 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 01/04/2019 | Certified Mail Delivery Date 01/08/2019 |
| 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 01/04/2019 | Certified Mail Delivery Date 01/07/2019 |
| Address Affidavit N | Written Consent N | Notification Acknowledgement Date | Uploaded Files |
| Water Source Locations | | | |
| 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 01/04/2019 | Certified Mail Delivery Date 01/07/2019 |
| Address Affidavit N | Written Consent N | Notification Acknowledgement Date | Uploaded Files |
| Water Source Locations | | | |

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| UPLOADED FILES | | |
|--|--|--------------------------------|
| Attachment Coal and Gas Resource Coord Act - Section 7 Exception | File Name Herriott Section 7 Exception.pdf | File Upload Date 02/14/2019 |
| Cryptographic Hash Value of File (SHA-512) 042E7904DC532590E75D3A20B745F7CF839370081105C8C3F1824A8011250DCE3BDEB7F6C5EBC8561429B010F6E5CBD8A6FB863F70A10CAF3F0EE59FF7810066 | | |
| Attachment Location Plat | File Name 172-319-Well Plat M03H-pages1-2-3_3702.dwg | File Upload Date 02/06/2019 |
| Cryptographic Hash Value of File (SHA-512) 2CEFD197AFC920FF2116D068A0451EC1786E035983EE8090733660575C3F7978283E732476A938D305A0C17398CDFF738F0B14890D5BC59E398B7C952400AA4 | | |
| Attachment Pennsylvania Natural Diversity Inventory Form | File Name Herriott PNDI.pdf | File Upload Date 02/06/2019 |
| Cryptographic Hash Value of File (SHA-512) DB271D97791C16B00BCDBE75EC43C6E2BB118423E0689B5007DE822ABCC56A04CD3087B5F2DEDCE36C8A3E7BD0CCED04B434957D06A571FC92D464BBFBF98B6 | | |
| Attachment Well Cross-Section Diagram | File Name Herriott M03H Page 4.pdf | File Upload Date 02/06/2019 |
| Cryptographic Hash Value of File (SHA-512) 12ADF2B0614543CA2F90AC883B040B7CCEEA203000998D4EEAE7812C21E4F57651665D9E4DB98B66AC62457C0EECD316A581B31746EB745497D52FDC1E961D3C | | |