



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 SWEPI LP	Legal Name SWEPI LP	DEP Client ID# 284309	Phone 724-814-9807	FAX 832-337-4404
Mailing Address (Street or PO Box) 150 NORTH DAIRY ASHFORD	Address 2 BLDG E 12TH FLOOR			
City HOUSTON	State TX	Zip +4 77079		
Email Address Jason.Shoemaker@shell.com	24/7 Emergency Contact Name / Number HONDO BLAKELY 877-320-7307			

WELL INFORMATION			
(Well) Farm Name BOLT 489			
Well # 1X	Serial #	Project # (from DEP)	
County TIOGA	Municipality RICHMOND TWP	911 Address of Well site (or nearest intersection) 1847 CANOE CAMP CREEK RD COVINGTON PA 16917	
Is this an Unconventional well? Y	Is this a Coal well? N	Bond Agreement ID 12744 - BLANKET (\$850,000)	Well Deepest Point (TVD) 5450

WELLBORE INFORMATION			
Wellbore Number 1	Wellbore Name WELLBORE SURFACE HOLE LOCATION	Type of Wellbore GAS	Wellbore Configuration Vertical Well

WELL PAD INFORMATION			
Well Pad Name BOLT 489			
Will the proposed well location be covered under an existing or previous Erosion and Sediment Control General Permit? Y	ESCGP Number ESX291171700081	Will this well be built on a well pad? Y	Well Pad 155313-BOLT 489

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?	Y
Did you have a PNDI hit for the U.S. Fish and Wildlife Service?	N



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

WELLBORE SURFACE-HOLE LOCATION	
Surface elevation (in ft.)	1496
Latitude/Longitude	41 46 01.3100 -77 02 42.0400
Metadata Method	GPS - UNSPECIFIED
Accuracy (in ft.)	3
Datum	North American Datum of 1983
Reference Elevation	1496
USGS Map Name	MANSFIELD
USGS Map Section #	8
Offset South (in feet)	8977
Offset West (in feet)	912

WELLBORE LOCATION INFORMATION	
WELLBORE SURFACE HOLE LOCATION	
Type of Wellbore	GAS
Wellbore Configuration	Vertical Well
Target Formation	MARCELLUS FORMATION(MARCF)
Producing Formation	MARCELLUS FORMATION(MARCF)
Oldest Formation Penetrated	MARCELLUS FORMATION(MARCF)
Wellbore Origin Point Lat/Long	41 46 01.3100 -77 02 42.0400
Wellbore Origin Point True Vertical Depth (TVD)	0
Wellbore Origin Point Total Measured Distance (TMD)	0
Bottom Hole Lat/Long	41 46 01.3100 -77 02 42.0400
Bottom Hole True Vertical Depth (TVD)	5450
Bottom Hole Total Measured Distance (TMD)	5450

WELL PAD LOCATION INFORMATION		
Well Pad Corner 1 Lat/Long	41 46 03.5616 -77 02 42.6408	
Well Pad Corner 2 Lat/Long	41 46 00.6204 -77 02 39.1200	
Well Pad Corner 3 Lat/Long	41 45 59.0292 -77 02 41.4384	
Well Pad Corner 4 Lat/Long	41 46 01.9992 -77 02 45.0096	
Well Site GPS Location Lat/Long	41 46 01.3116 -77 02 42.0504	
Well Site Access Road GPS Lat/Long	41 45 53.8416 -77 02 55.4784	
Metadata Method	Accuracy (in ft.)	Datum
GPS - UNSPECIFIED	±3	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	KATHLEEN PEPE
Document Generated	06/01/2018 02:45:37 PM



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

INTERESTED PARTIES			
Interested Party BRENDA J PRESTON	Address 1799 CANOE CAMP CREEK ROAD COVINGTON, PA 16917	Notifications WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft	
Municipality	Notified MAIL	Certified Mail Sent Date 04/26/2018	Certified Mail Delivery Date 04/30/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 41 45 56.6300 -77 02 55.1000 Water Well - Private Supply			
Interested Party BRETT A AND SARAH A HEICHEL	Address 1426 CANOE CAMP CREEK ROAD COVINGTON, PA 16917	Notifications WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft	
Municipality	Notified MAIL	Certified Mail Sent Date 04/26/2018	Certified Mail Delivery Date 04/30/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 41 46 09.6600 -77 03 12.8900 Water Well - Private Supply			
Interested Party CHARLESTON TOWNSHIP	Address 156 CAITLIN HOLLOW ROAD WELLSBORO, PA 16901	Notifications MU - Municipalities	
Municipality CHARLESTON TOWNSHIP	Notified MAIL	Certified Mail Sent Date 04/26/2018	Certified Mail Delivery Date 04/30/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party CHRIS E AND DIANA R ABPLANALP	Address 80 BUENA VISTA ST WELLSBORO, PA 16901	Notifications WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft	
Municipality	Notified MAIL	Certified Mail Sent Date 04/26/2018	Certified Mail Delivery Date 05/02/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 41 46 11.1400 -77 03 13.9000 Water Well - Private Supply			
Interested Party COVINGTON TOWNSHIP	Address 114 EAST HILL RD PO BOX 253 COVINGTON, PA 16917	Notifications MU - Municipalities	
Municipality COVINGTON TOWNSHIP	Notified MAIL	Certified Mail Sent Date 04/26/2018	Certified Mail Delivery Date 05/03/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party GORDON T AND NAN WILCOX	Address 509 WHITTAKER RD COVINGTON, PA 16917	Notifications WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft	
Municipality	Notified MAIL	Certified Mail Sent Date 04/26/2018	Certified Mail Delivery Date 05/02/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 41 45 51.7700 -77 02 26.9500 Water Well - Private Supply 41 45 52.2400 -77 02 27.8900 Water Well - Private Supply			
Interested Party LARRY PEQUIGNOT JR ET AL	Address 6417 HARMONY GROVE ROAD DOVER, PA 17315	Notifications WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft	
Municipality	Notified MAIL	Certified Mail Sent Date 04/26/2018	Certified Mail Delivery Date 05/01/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 41 45 32.1100 -77 02 42.9700 Water Well - Private Supply			



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

Interested Party MANSFIELD BOROUGH	Address 14 SOUTH MAIN STREET MANSFIELD, PA 16933	Notifications MU - Municipalities	
Municipality MANSFIELD BOROUGH	Notified MAIL	Certified Mail Sent Date 04/26/2018	Certified Mail Delivery Date 04/30/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party MIDDLEBURY TOWNSHIP	Address 130 ROUTE 249 MIDDLEBURY CENTER, PA 16935	Notifications MU - Municipalities	
Municipality MIDDLEBURY TOWNSHIP	Notified MAIL	Certified Mail Sent Date 04/26/2018	Certified Mail Delivery Date 05/02/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party RICHMOND TOWNSHIP	Address 563 VALLEY ROAD MANSFIELD, PA 16933	Notifications MU - Municipalities	
Municipality RICHMOND TOWNSHIP	Notified MAIL	Certified Mail Sent Date 04/26/2018	Certified Mail Delivery Date 04/30/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party RICKY D AND NADINA L DEWALT	Address 1490 CANOE CAMP CREEK ROAD COVINGTON, PA 16917	Notifications WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft	
Municipality	Notified MAIL	Certified Mail Sent Date 04/26/2018	Certified Mail Delivery Date
Address Affidavit Y	Written Consent N	Notification Acknowledgement Date	Uploaded Files Bolt_489-1X_AffidavitNonDelivery.pdf
Water Source Locations 41 46 07.5700 -77 03 10.9400 Water Well - Private Supply			
Interested Party ROBERT D WATKINS	Address 1671 CANOE CAMP CREEK ROAD COVINGTON, PA 16917	Notifications WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft	
Municipality	Notified MAIL	Certified Mail Sent Date 04/26/2018	Certified Mail Delivery Date 04/30/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 41 46 01.4800 -77 03 00.0400 Water Well - Private Supply 41 46 00.5400 -77 02 59.0100 Water Well - Private Supply			
Interested Party RUTLAND TOWNSHIP	Address 78 ROSEVILLE AVE MANSFIELD, PA 16933	Notifications MU - Municipalities	
Municipality RUTLAND TOWNSHIP	Notified MAIL	Certified Mail Sent Date 04/26/2018	Certified Mail Delivery Date 04/30/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party STACEY WILSON CO FIRST CITIZENS COMMUNITY BANK ATTN ESCROW DEPT	Address 1163 S MAIN STREET MANSFIELD, PA 16933	Notifications WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft	
Municipality	Notified MAIL	Certified Mail Sent Date 04/26/2018	Certified Mail Delivery Date 04/30/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 41 45 59.5400 -77 03 02.5200 Water Well - Private Supply			
Interested Party STACY T AND MARY BECHTEL	Address 2002 CANOE CAMP CREEK ROAD COVINGTON, PA 16917	Notifications WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft	



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

Municipality	Notified MAIL	Certified Mail Sent Date 04/26/2018	Certified Mail Delivery Date 04/30/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 41 45 43.3400 -77 02 55.3200 Water Well - Private Supply 41 45 46.9400 -77 02 55.3600 Water Well - Private Supply 41 45 41.0800 -77 02 58.8800 Water Well - Private Supply 41 45 41.6500 -77 02 55.5700 Water Well - Private Supply 41 45 41.0400 -77 02 53.5900 Water Well - Private Supply			
Interested Party STEPHEN BOLT C/O STEPHANIE E AND CONNIE V BOLT	Address 183 VALIMONT LANE MANSFIELD, PA 16933	Notifications SL - Surface Landowner WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft	
Municipality	Notified MAIL	Certified Mail Sent Date 04/26/2018	Certified Mail Delivery Date 05/04/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 41 46 03.6100 -77 02 49.6700 Water Well - Private Supply			
Interested Party SULLIVAN TOWNSHIP	Address 308 SEYMOUR HILL RD MANSFIELD, PA 16933	Notifications MU - Municipalities	
Municipality SULLIVAN TOWNSHIP	Notified MAIL	Certified Mail Sent Date 04/26/2018	Certified Mail Delivery Date 05/01/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party TIOGA TOWNSHIP	Address 50 COLEMAN ST TIOGA, PA 16946	Notifications MU - Municipalities	
Municipality TIOGA TOWNSHIP	Notified MAIL	Certified Mail Sent Date 04/26/2018	Certified Mail Delivery Date 04/30/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party TODD AND RICHARD BOYLES C O FIRST CITIZENS COMMUNITY BANK ATTN: ESCROW DEPT	Address 1163 S MAIN STREET MANSFIELD, PA 16933	Notifications WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft	
Municipality	Notified MAIL	Certified Mail Sent Date 04/26/2018	Certified Mail Delivery Date 04/30/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 41 45 32.9800 -77 02 46.6800 Water Well - Private Supply			
Interested Party WALTER R AND RUTH M FISH	Address 1413 CANOE CAMP CREEK ROAD COVINGTON, PA 16917	Notifications WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft	
Municipality	Notified MAIL	Certified Mail Sent Date 04/26/2018	Certified Mail Delivery Date 05/04/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 41 46 11.4600 -77 03 12.1700 Water Well - Private Supply			
Interested Party WILLIAM L WATKINS SR C O WILLIAM L WATKINS JR	Address 1550 CANOE CAMP CREEK ROAD COVINGTON, PA 16917	Notifications WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft	
Municipality	Notified MAIL	Certified Mail Sent Date 04/26/2018	Certified Mail Delivery Date 04/30/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 41 45 57.9700 -77 03 21.3500 Water Well - Private Supply 41 46 04.6600 -77 03 09.1400 Water Well - Private Supply			
Interested Party WILLIAM L WATKINS JR	Address 1608 CANOE CAMP	Notifications WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft	



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

	CREEK ROAD COVINGTON, PA 16917		
Municipality	Notified MAIL	Certified Mail Sent Date 04/26/2018	Certified Mail Delivery Date
Address Affidavit Y	Written Consent N	Notification Acknowledgement Date	Uploaded Files Bolt_489-1X_AffidavitNonDelivery.pdf
Water Source Locations 41 46 01.7000 -77 03 05.1800 Water Well - Private Supply			



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

UPLOADED FILES		
Attachment Coordination of Well Location with Public Resources	File Name Bolt_489-1X_CoordnForm.pdf	File Upload Date 05/23/2018
Cryptographic Hash Value of File (SHA-512) B50CB4C65F81A004AFBA34EF613F6FC6A6554FABD7CC4BE075E40363CFAC75328261530CEF34992A5B201ACDC8B9072F7B9A874274E230F05C976FAAA2B9667		
Attachment Justification for Non-Coal Well	File Name Bolt_489-1X_CoalJustification.pdf	File Upload Date 05/23/2018
Cryptographic Hash Value of File (SHA-512) 86858BD45851C6AD99125BA2DD854FA7D26E2709A5EB2E0E3B62C1D51BBA0A542997F67D666238CB191D0EB8EE6191991178CF5D7728611F99361EB3376E46F		
Attachment Location Plat	File Name Bolt_489-1X_Plat_20180601.dwg	File Upload Date 06/01/2018
Cryptographic Hash Value of File (SHA-512) 4A8E73EC62EBDC1F99065F2773A42E00180D9514F50E018EDC67489C90FF96FD33E8F593D37D89F74951EB13BEB3DA23DBE55DF846C78C90BDEB3DA5BE2D7D		
Attachment Pennsylvania Natural Diversity Inventory Form	File Name Bolt_489-1X_PNDI_2017.pdf	File Upload Date 05/22/2018
Cryptographic Hash Value of File (SHA-512) 7573277E4A4695FE3A76DEB4C8EC7CBA483F01764083971A7662B7DB60142EAA69BA23852FBE7EEBB71F240BF8336A251C208D2F654FAC0C0B1ADCAC7E73D3A1		
Attachment Pennsylvania Natural Diversity Inventory Support Document (PA Game Commission)	File Name Bolt_489-1X_PNDI_2017.pdf	File Upload Date 05/23/2018
Cryptographic Hash Value of File (SHA-512) 7573277E4A4695FE3A76DEB4C8EC7CBA483F01764083971A7662B7DB60142EAA69BA23852FBE7EEBB71F240BF8336A251C208D2F654FAC0C0B1ADCAC7E73D3A1		
Attachment RICKY D AND NADINA L DEWALT	File Name Bolt_489-1X_AffidavitNonDelivery.pdf	File Upload Date 05/23/2018
Cryptographic Hash Value of File (SHA-512) 0E55774B2CD401F0E3FF247F618282CFD6467E6021275EA24FF409C11B41844FAB29FCAA439E9D988A4EA8B3B01092887C23F75AC1CE16B5FE7A77D7A7E3C486		
Attachment WILLIAM L WATKINS JR	File Name Bolt_489-1X_AffidavitNonDelivery.pdf	File Upload Date 05/23/2018
Cryptographic Hash Value of File (SHA-512) 0E55774B2CD401F0E3FF247F618282CFD6467E6021275EA24FF409C11B41844FAB29FCAA439E9D988A4EA8B3B01092887C23F75AC1CE16B5FE7A77D7A7E3C486		