

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 BUILDING E 12TH FLOOR			
City HOUSTON	State TX	Zip +4 77079		
Email Address Jason.Shoemaker@shell.com	24/7 Emergency Contact Name / Number STEVE CRAIG 877-320-7307			

WELL INFORMATION			
(Well) Farm Name LINGLE 1102			
Well # 23H	Serial #	Project # (from DEP)	
County TIOGA	Municipality DEERFIELD TWP	911 Address of Well site (or nearest intersection) 1353 LEE HILL ROAD KNOXVILLE PA 16928	
Is this an Unconventional well? Y	Is this a Coal well? N	Bond Agreement ID 12744 - BLANKET (\$850,000)	Well Deepest Point (TVD) 11000

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 LINGLE 1102			
Is this well covered under an ESCGP? Y	ESCGP Number 1053051	Will this well be built on a well pad? Y	Well Pad 154179-LINGLE 1102

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 either the edge of the disturbed area of any portion of the well site of the unconventional well be within 100 feet, or the vertical well bore be within 300 feet, from the edge of any solid blue lined stream, spring or body of water identified on the most current 7 1/2 topographic quadrangle map or wetland greater than one acre in size or in a wetland?	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 an existing well site that has an active permitted well, or currently valid permit on this well site, for a well that was permitted on or before 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 disturbs 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

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WELLBORE SURFACE-HOLE LOCATION	
Surface elevation (in ft.)	1739
Latitude/Longitude	41 55 23.9600 -77 23 22.7900
Metadata Method	GPS - UNSPECIFIED
Accuracy (in ft.)	5
Datum	North American Datum of 1983
Reference Elevation	1739
USGS Map Name	KNOXVILLE
USGS Map Section #	6
Offset South (in feet)	12758
Offset West (in feet)	3991

WELLBORE LOCATION INFORMATION	
WELLBORE SURFACE HOLE LOCATION	
Type of Wellbore	GAS
Wellbore Configuration	Horizontal Well
Target Formation	UTICA SHALE FORMATION(UTICF)
Producing Formation	UTICA SHALE FORMATION(UTICF)
Oldest Formation Penetrated	UTICA SHALE FORMATION(UTICF)
Wellbore Origin Point Lat/Long	41 55 23.9600 -77 23 22.7900
Wellbore Origin Point True Vertical Depth (TVD)	0
Wellbore Origin Point Total Measured Distance (TMD)	0
Wellbore Deepest Point Lat/Long	41 55 32.3400 -77 23 21.8900
Wellbore Deepest Point True Vertical Depth (TVD)	11000
Wellbore Deepest Point Total Measured Distance (TMD)	11523
Bottom Hole Lat/Long	41 56 54.0700 -77 24 12.3900
Bottom Hole True Vertical Depth (TVD)	10841
Bottom Hole Total Measured Distance (TMD)	20635

WELL PAD LOCATION INFORMATION		
Well Pad Corner 1 Lat/Long	41 55 22.1000 -77 23 20.2000	
Well Pad Corner 2 Lat/Long	41 55 21.5000 -77 23 23.5000	
Well Pad Corner 3 Lat/Long	41 55 25.7000 -77 23 24.9000	
Well Pad Corner 4 Lat/Long	41 55 26.3000 -77 23 21.6000	
Well Site GPS Location Lat/Long	41 55 23.9000 -77 23 22.6000	
Well Site Access Road GPS Lat/Long	41 55 20.7000 -77 23 18.8000	
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	KATHLEEN PEPE
Document Generated	02/08/2017 11:53:33 AM

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

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INTERESTED PARTIES			
Interested Party BOROUGH OF KNOXVILLE	Address PO BOX 191 KNOXVILLE, PA 16928	Notifications MU - Municipalities	
Municipality BOROUGH OF KNOXVILLE	Notified MAIL	Certified Mail Sent Date 12/08/2016	Certified Mail Delivery Date 12/12/2016
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party BROOKFIELD TOWNSHIP	Address 2205 CALIFORNIA ROAD WESTFIELD, PA 16950	Notifications MU - Municipalities	
Municipality BROOKFIELD TOWNSHIP	Notified MAIL	Certified Mail Sent Date 12/08/2016	Certified Mail Delivery Date 12/13/2016
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party CAROL L PAUTZ	Address 2196 GLENN ROAD KNOXVILLE, PA 16928	Notifications WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft	
Municipality	Notified MAIL	Certified Mail Sent Date 12/08/2016	Certified Mail Delivery Date 12/14/2016
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 41 55 17.6700 -77 23 48.5800 Water Well - Private Supply			
Interested Party CHARLES H LINGLE	Address 2942 MERRICK HILL ROAD KNOXVILLE, PA 16928	Notifications SL - Surface Landowner WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft	
Municipality	Notified MAIL	Certified Mail Sent Date 12/08/2016	Certified Mail Delivery Date 12/12/2016
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 41 55 30.0000 -77 23 17.1000 Water Well - Private Supply			
Interested Party CHATHAM TOWNSHIP	Address 1579 BLAIR CREEK ROAD WESTFIELD, PA 16950	Notifications MU - Municipalities	
Municipality CHATHAM TOWNSHIP	Notified MAIL	Certified Mail Sent Date 12/08/2016	Certified Mail Delivery Date 12/12/2016
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party CORRIE BACON	Address 1960 GLENN ROAD KNOXVILLE, PA 16928	Notifications WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft	
Municipality	Notified MAIL	Certified Mail Sent Date 12/08/2016	Certified Mail Delivery Date 12/15/2016
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 41 55 01.7500 -77 23 25.6300 Water Well - Private Supply			
Interested Party DANA E KEMP CHRISTINE E KEMP	Address 1120 LEE HILL ROAD KNOXVILLE, PA 16928	Notifications WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft	
Municipality	Notified MAIL	Certified Mail Sent Date 12/08/2016	Certified Mail Delivery Date 12/15/2016
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 41 55 05.1500 -77 23 00.7400 Water Well - Private Supply			
Interested Party DEERFIELD TOWNSHIP	Address 5322 STATE ROUTE 49 KNOXVILLE, PA 16928	Notifications MU - Municipalities	
Municipality	Notified	Certified Mail Sent Date	Certified Mail Delivery Date

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DEERFIELD TOWNSHIP	MAIL	12/08/2016	12/13/2016
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			

Interested Party FARMINGTON TOWNSHIP	Address 19 ELKHORN ROAD LAWRENCEVILLE, PA 16929	Notifications MU - Municipalities	
Municipality FARMINGTON TOWNSHIP	Notified MAIL	Certified Mail Sent Date 12/08/2016	Certified Mail Delivery Date 12/13/2016
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			

Interested Party JODIE L DIBBLE JASON G DIBBLE	Address 693 BUTLER HILL ROAD KNOXVILLE, PA 16928	Notifications WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft	
Municipality	Notified MAIL	Certified Mail Sent Date 12/08/2016	Certified Mail Delivery Date 12/16/2016
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 41 55 32.4800 -77 23 05.6200 Water Well - Private Supply			

Interested Party LORRY D BUTLER MARY E BUTLER	Address 717 BUTLER HILL ROAD KNOXVILLE, PA 16928	Notifications WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft	
Municipality	Notified MAIL	Certified Mail Sent Date 12/08/2016	Certified Mail Delivery Date 12/27/2016
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 41 55 31.8900 -77 23 00.9300 Water Well - Private Supply			

Interested Party OSCEOLA TOWNSHIP	Address PO BOX 146 OSCEOLA, PA 16942	Notifications MU - Municipalities	
Municipality OSCEOLA TOWNSHIP	Notified MAIL	Certified Mail Sent Date 12/08/2016	Certified Mail Delivery Date 12/23/2016
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			

Interested Party TOWN OF TROUPSBURG	Address 873 MAIN STREET TROUPSBURG, NY 14885	Notifications MU - Municipalities	
Municipality TOWN OF TROUPSBURG	Notified MAIL	Certified Mail Sent Date 12/08/2016	Certified Mail Delivery Date 12/13/2016
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			

Interested Party TOWN OF WOODHULL	Address 1585 ACADEMY STREET WOODHULL, NY 14898	Notifications MU - Municipalities	
Municipality TOWN OF WOODHULL	Notified MAIL	Certified Mail Sent Date 12/08/2016	Certified Mail Delivery Date 12/14/2016
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			

Interested Party VAUGHN SHEPHERD PHYLLIS SMITH SHEPHERD	Address 460 BUTLER HILL ROAD KNOXVILLE, PA 16928	Notifications WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft	
Municipality	Notified MAIL	Certified Mail Sent Date 12/08/2016	Certified Mail Delivery Date 12/14/2016
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 41 55 39.5400 -77 23 37.0600 Water Well - Private Supply			

Interested Party WESTFIELD TOWNSHIP	Address 528 MILL STREET WESTFIELD, PA 16950	Notifications MU - Municipalities	
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Municipality WESTFIELD TOWNSHIP	Notified MAIL	Certified Mail Sent Date 12/08/2016	Certified Mail Delivery Date 12/12/2016
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Water Source Locations			

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UPLOADED FILES		
Attachment Justification for Non-Coal Well	File Name Lingle 1102 - Coal Justification Map.pdf	File Upload Date 01/09/2017
Cryptographic Hash Value of File (SHA-512) B9A1160573E0202C888BE511727BDF0327A8A25E094CB37A5E9A6F513D155FB97555A0F8E8E129B8A5B6309390ED8D6F940CA4F2D899233296C1D11FDEEBD149		
Attachment Location Plat	File Name LINGLE 1102_23H_3701.dwg	File Upload Date 01/11/2017
Cryptographic Hash Value of File (SHA-512) 1233C1863A83A09ED8A97D11C9C7F1C6BC786215D1DD45F7F29AF5E891D434490FF6477B5B6022F085591AB2328276EE2C7BCFD3540175EF715B380560247B43		
Attachment Pennsylvania Natural Diversity Inventory Form	File Name Lingle 1102 - PNDI.pdf	File Upload Date 01/09/2017
Cryptographic Hash Value of File (SHA-512) 82D650B2E99DE315CC1E94A01D3C5A2346C0F87F99FBA1E98DEC751080D8017FD34F7CB49FBD2831B4933D69334DD04E56F84D21798E7943176D959200C891AD		
Attachment Well Cross-Section Diagram	File Name LINGLE 1102_23H-Well Cross Section.pdf	File Upload Date 01/11/2017
Cryptographic Hash Value of File (SHA-512) BECCBAFCD33E5FD3D8B3047548AB68C617521F3FA1F3502BD2CA974D65D5F57FE7C298DB4E6BF80667E2AF3996187C4DDDB9FD98DC577CB5FA39DB1817094BB3		