



**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 JKLM ENERGY LLC	Legal Name JKLM ENERGY, LLC.	DEP Client ID# 308463	Phone 724-935-2426	FAX 724-935-2434
Mailing Address (Street or PO Box) 2200 GEORGETOWNE DR STE 500	Address 2			
City SEWICKLEY	State PA	Zip +4 15143		
Email Address jharrick@emslp.com	24/7 Emergency Contact Name / Number JOE HARRICK 304-670-7110			

WELL INFORMATION			
(Well) Farm Name JUDSON HOLLOW			
Well # 302-2HU	Serial #	Project # (from DEP)	
County POTTER	Municipality PIKE TWP	911 Address of Well site (or nearest intersection) 755 Judson Hollow Trl Galeton PA 16922	
Is this an Unconventional well? Y	Is this a Coal well? N	Bond Agreement ID 13763 - BLANKET (\$430,000)	Well Deepest Point (TVD) 11300

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 JUDSON HOLLOW 302			
Will the proposed well location be covered under an existing or previous Erosion and Sediment Control General Permit? Y	ESCGP Number ESG29105170011	Will this well be built on a well pad? Y	Well Pad 154634-JUDSON HOLLOW 302

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 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?	Y
Special Protection Type:	HQ
Special Protection Watershed:	GENESEE FORKS AND JUDSON HOLLOW (HQ-CWF)
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



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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.)	2217
Latitude/Longitude	41 48 38.8040 -77 41 50.1700
Metadata Method	GPS CARRIER PHASE KINEMATIC RELATIVE POSITION
Accuracy (in ft.)	5
Datum	North American Datum of 1983
Reference Elevation	2217
USGS Map Name	WEST PIKE
USGS Map Section #	5
Offset South (in feet)	8218
Offset West (in feet)	8343

WELLBORE LOCATION INFORMATION	
<b>WELLBORE SURFACE HOLE LOCATION</b>	
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 48 38.8040 -77 41 50.1700
Wellbore Origin Point True Vertical Depth (TVD)	0
Wellbore Origin Point Total Measured Distance (TMD)	0
Wellbore Deepest Point Lat/Long	41 46 56.4320 -77 41 29.3500
Wellbore Deepest Point True Vertical Depth (TVD)	11300
Wellbore Deepest Point Total Measured Distance (TMD)	21645
Bottom Hole Lat/Long	41 46 56.4320 -77 41 29.3500
Bottom Hole True Vertical Depth (TVD)	11300
Bottom Hole Total Measured Distance (TMD)	21645

WELL PAD LOCATION INFORMATION		
Well Pad Corner 1 Lat/Long	41 48 41.6523 -77 41 51.9451	
Well Pad Corner 2 Lat/Long	41 48 41.1006 -77 41 47.3827	
Well Pad Corner 3 Lat/Long	41 48 36.2242 -77 41 48.4362	
Well Pad Corner 4 Lat/Long	41 48 36.3858 -77 41 53.0830	
Well Site GPS Location Lat/Long	41 48 39.3890 -77 41 50.0440	
Well Site Access Road GPS Lat/Long	41 47 30.7052 -77 42 55.8230	
Metadata Method	Accuracy (in ft.)	Datum
GPS CARRIER PHASE KINEMATIC RELATIVE POSITION	±5	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	MATT PIERCE
Document Generated	07/09/2018 11:39:43 AM



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<b>INTERESTED PARTIES</b>			
Interested Party <b>CLYMER TOWNSHIP</b>	Address 1105 LOCUST STREET SABINSVILLE, PA 16943	Notifications MU - Municipalities	
Municipality <b>CLYMER</b>	Notified MAIL	Certified Mail Sent Date 05/31/2018	Certified Mail Delivery Date 06/09/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party <b>DANZER FORESTLAND COMPANY</b>	Address 119 AID DRIVE DARLINGTON, PA 16115	Notifications SL - Surface Landowner	
Municipality	Notified MAIL	Certified Mail Sent Date 05/31/2018	Certified Mail Delivery Date 06/04/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party <b>GAINES TOWNSHIP</b>	Address 1517 ROUTE 6 GAINES, PA 16921	Notifications MU - Municipalities	
Municipality <b>GAINES</b>	Notified MAIL	Certified Mail Sent Date 05/31/2018	Certified Mail Delivery Date 06/07/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party <b>GALETON BOROUGH</b>	Address GALETON AREA CHAMBER OF COMMERCE P.O. BOX 154 GALETON, PA 16922	Notifications MU - Municipalities	
Municipality <b>GALETON</b>	Notified MAIL	Certified Mail Sent Date 05/31/2018	Certified Mail Delivery Date 06/06/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party <b>HECTOR TOWNSHIP</b>	Address 2758 PHOENIX RUN ROAD SABINSVILLE, PA 16943	Notifications MU - Municipalities	
Municipality <b>HECTOR</b>	Notified MAIL	Certified Mail Sent Date 05/31/2018	Certified Mail Delivery Date 06/05/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party <b>PIKE TOWNSHIP</b>	Address 72 ROUTE 6 WEST GALETON, PA 16922	Notifications MU - Municipalities	
Municipality <b>PIKE</b>	Notified MAIL	Certified Mail Sent Date 05/31/2018	Certified Mail Delivery Date 06/11/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party <b>ULYSSES TOWNSHIP</b>	Address 2556 SR 49 WEST ULYSSES, PA 16948	Notifications MU - Municipalities	
Municipality <b>ULYSSES</b>	Notified MAIL	Certified Mail Sent Date 05/31/2018	Certified Mail Delivery Date 06/04/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party <b>WEST BRANCH TOWNSHIP</b>	Address 533 GERMANIA ROAD GALETON, PA 16922	Notifications MU - Municipalities	
Municipality <b>WEST BRANCH</b>	Notified MAIL	Certified Mail Sent Date 05/31/2018	Certified Mail Delivery Date 06/06/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files



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Water Source Locations



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UPLOADED FILES		
Attachment Justification for Non-Coal Well	File Name JKLM Coal Justification1HU.pdf	File Upload Date 06/15/2018
Cryptographic Hash Value of File (SHA-512) 838174A946EB294B2A56478492ABA71C8D7E5FD6CA7545214CB9FE5C871E9CDB80959D0CD50BA7965D168BD32F492CCEB3740051BFF920B74BF241F91F6ED210		
Attachment Location Plat	File Name 302-2HU_JH_3701.dwg	File Upload Date 07/09/2018
Cryptographic Hash Value of File (SHA-512) 3FC9362A7E4E57CBC1DE13CC5EC7D19FCA4BE61F75C364EFE98FD51CB17FE503815840A8E44BFBF491C2100C94962C8F18B8D9A12B3D509F8D8BC2269A7BF8A		
Attachment Pennsylvania Natural Diversity Inventory Form	File Name project_receipt_galeton_302_620571_final Signed.pdf	File Upload Date 06/15/2018
Cryptographic Hash Value of File (SHA-512) 4D9866CD8B9D7E891CDE25A877C6F5170EB8AAE76F8CB8CCDD3FBED02A9E41570E1EC0F8A0822245291E3B5529B565ECD9D4DD1CBFE4192A86114F5FFAD2E0A7		
Attachment Operator Ownership and Control Information	File Name Ownership and Control Form.pdf	File Upload Date 06/15/2018
Cryptographic Hash Value of File (SHA-512) E5763A104EF2A94D8BFDC9B2D37DFAF027A491A7214F629332452B5FA49A3A7ADBDF87FCDD66AB6CF83E4CD5CA30BECA73F83F7FA5DEBEDA3D06AC36240B5B1		
Attachment Well Cross-Section Diagram	File Name Judson Hollow 302-2HU Cross Section.pdf	File Upload Date 07/09/2018
Cryptographic Hash Value of File (SHA-512) 132D6A8E4E6CFBEFA2E64791711DE1053667E74065EAAA3BDC798F67842BBB2D028D129A72E85D5BDFCAEDE1C4CF5FB9CCADB9C4C608715D8F9E50290E5735D9		