

APPLICANT INFORMATION								
Deplicant (Operator) Name Legal Name ICE DRILLING B LLC RICE DRILLING B LLC			DEP Clier 268470			^{FAX} 724-749-5581		
Mailing Address (Street or PO Box) 2200 RICE DRIVE		Address 2						
		State PA		Zip +4 15317				
Email Address erin.spine@riceenergy.com		24/7 Emergency Co MIKE LAUDER		e / Number 724-809-9897				
		WE	ELL INFO	ORMATION				
(Well) Farm Name DRAGON CHAN								
Well # 4	Serial #			Project # (from DEP)				
County GREENE	Municipality SPRINGHI	LL TWP		911 Address of Well site (or net 641 MORFORD ROAD	arest intersection) ALEPPO PA 15310			
Is this an Unconventional well? Y	Is this a Coal w Y	vell?		Bond Agreement ID 11936 - BLANKET (\$45	59,000) Well Deepest Point (TVD) 7680			
		WELL	BORE II	NFORMATION				
Wellbore Number 1 UCCATION	E SURFACE	EHOLE	Type of W GAS	Vellbore			e Configuration ontal Well	
		WELL	PAD IN	FORMATION				
Well Pad Name DRAGON CHAN								
Is this well covered under an ESCGP? Y	ESCGP Number 1162505	er		Will this well be built on a well ${\boldsymbol{p}}$ ${\boldsymbol{Y}}$	oad?		Il Pad 4227-DRAGON C	HAN
		COORI				·		
Will the well be subject to the Oil ar	nd Gas Cons				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 proposed landfill?	the permitte	ed perimeter of a	in active	, abandoned or	N			
Will the vertical well bore of the und building or an existing water supply		well be drilled w	vithin 500	0 feet from any existing	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?				atershed?	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?			Ν					
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				
אום you nave a PNDI hit for the U.S	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 Y					
Have any coal rights been severed from the surface estate?					1.			



If the coal rights been severed from the surface estate, have the owners of the workable and unworkable coal seams been notified?	Y
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?	Y
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?	SC
Will the well be drilled through an operating coal mine, or within 1,000 feet of the boundary?	N
Has the surface landowner been notified and provided a copy of the Landowner Notification of Right to Participate in Alternative Dispute Resolution to Coal Bed Methane Wells (form 5500-FM-OG0053)?	Ν



PERMIT APPLICATION TO DRILL AND OPERATE AN UNCONVENTIONAL WELL

WELLBORE SURFACE-HOLE LOCATION			
Surface elevation (in ft.)	1485		
Latitude/Longitude	39 47 14.1800 -80 30 34.8100		
Metadata Method	GPS CARRIER PHASE KINEMATIC RELATIVE POSITION		
Accuracy (in ft.)	3		
Datum	North American Datum of 1983		
Reference Elevation	1485		
USGS Map Name	CAMERON WV		
USGS Map Section #	9		
Offset South (in feet)	1636		
Offset West (in feet)	2766		

WELLBORE LOCATION INFORMATION

WELLBORE LOCATION INFORMATION			
GAS			
Horizontal Well			
MARCELLUS FORMATION(MARCF)			
MARCELLUS FORMATION(MARCF)			
MARCELLUS FORMATION(MARCF)			
39 47 14.1800 -80 30 34.8100			
0			
0			
39 46 00.5700 -80 30 12.8000			
7680			
16096			
39 46 00.5700 -80 30 12.8000			
7680			
16096			

WELL PAD LOCATION INFORMATION				
Well Pad Corner 1 Lat/Long	39 47 15.5375 -80 30 31.0823	3		
Well Pad Corner 2 Lat/Long	39 47 17.0715 -80 30 32.8816	6		
Well Pad Corner 3 Lat/Long	39 47 12.5222 -80 30 38.5249)		
Well Pad Corner 4 Lat/Long	39 47 11.5585 -80 30 34.2701	1		
Well Site GPS Location Lat/Long	39 47 33.3900 -80 30 09.2800)		
Well Site Access Road GPS Lat/Long	39 47 43.3600 -80 29 08.5800)		
Metadata Method GPS CARRIER PHASE KINEMATIC RELATIVE POSITION	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	ERIN SPINE
Document Generated	07/11/2017 10:07:47 AM



Address	Notifications	
815 ALEPPO ROAD NEW FREEPORT, PA 15352	MU - Municipalities	
Notified MAIL	Certified Mail Sent Date 01/30/2017	Certified Mail Delivery Date 02/09/2017
Written Consent N	Notification Acknowledgement Date	Uploaded Files
Address 158 PORTAL ROAD PO BOX 1020 WAYNESBURG, PA 15370	Notifications CO - Coal Owner	
Notified MAIL	Certified Mail Sent Date 01/30/2017	Certified Mail Delivery Date 02/02/2017
Written Consent N	Notification Acknowledgement Date	Uploaded Files
Address RD 3 BOX 161-D CAMERON, WV 26033	Notifications WPU - Surface Landowners and Wa	ter Purveyors with water supplies less than 3000 fi
Notified MAIL	Certified Mail Sent Date 01/30/2017	Certified Mail Delivery Date 02/02/2017
Written Consent N	Notification Acknowledgement Date	Uploaded Files
10.9900 Water Well - Privat	e Supply	
Address 773 GOLDEN OAKS ROAD NEW FREEPORT, PA 15352	Notifications MU - Municipalities	
Notified MAIL	Certified Mail Sent Date 01/30/2017	Certified Mail Delivery Date 02/02/2017
Written Consent N	Notification Acknowledgement Date	Uploaded Files
^{Address} 181 HERO ROAD NEW FREEPORT, PA 15352	Notifications MU - Municipalities	
Notified MAIL	Certified Mail Sent Date 01/30/2017	Certified Mail Delivery Date 02/02/2017
Written Consent N	Notification Acknowledgement Date	Uploaded Files
Address 11 MILWEED PLACE PATASKALA, OH 43062	Notifications WPU - Surface Landowners and Wa	ter Purveyors with water supplies less than 3000 fi
Notified MAIL	Certified Mail Sent Date 01/30/2017	Certified Mail Delivery Date 02/03/2017
Written Consent N	Notification Acknowledgement Date	Uploaded Files
Address 39325 FRENCH CREEK ROAD AVON, OH 44011	Notifications WPU - Surface Landowners and Wa	ter Purveyors with water supplies less than 3000 f
Notified MAIL	Certified Mail Sent Date 01/30/2017	Certified Mail Delivery Date 02/03/2017
Written Consent N	Notification Acknowledgement Date	Uploaded Files
36.7300 Surface Water Bod	y - Private Supply	I
Address	Notifications	
	FREEPORT, PA 15352 Notified MAIL Written Consent Address 158 PORTAL ROAD PO BOX 1020 WAYNESBURG, PA 15370 Notified MAIL Written Consent Notified MAIL Written Consent Notified MAIL Written Consent Notified MAIL Written Consent N 10.9900 Water Well - Privat Address 773 GOLDEN OAKS ROAD NEW FREEPORT, PA 15352 Notified MAIL Written Consent N Address 181 HERO ROAD NEW FREEPORT, PA 15352 Notified MAIL Written Consent N Address 181 HERO ROAD NEW FREEPORT, PA 15352 Notified MAIL	FREEPORT, PA 15352 Notified Certified Mail Sent Date MAIL 01/30/2017 Written Consent Notification Acknowledgement Date Address Softifications 158 PORTAL ROAD Co- Coal Owner PO BOX 1020 Cortified Mail Sent Date MAIL 01/30/2017 Written Consent Notifications MAIL 01/30/2017 Written Consent Notifications MAIL 01/30/2017 Written Consent Notifications MAIL O1/30/2017 Written Consent Notifications MAIL O1/30/2017 Written Consent Notifications MAIL O1/30/2017 Written Consent Notifications MU - Municipalities Noutifications T73 GOLDEN OAKS MU - Municipalities Notifications MU - Municipalities Notifications MU - Municipalities Notifications MU - Municipalities Notifications Mutications MAIL O1/30/2017 Written Consent Notifications <



UX	PITTSBURGH, PA 15237		
Municipality	Notified MAIL	Certified Mail Sent Date 01/30/2017	Certified Mail Delivery Date 02/04/2017
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 39 47 35.5900 -80 30	42.5800 Water Well - Privat	e Supply	
Interested Party JACKSON TOWNSHIP	Address 104 TUNNEL ROAD HOLBROOK, PA 15341	Notifications MU - Municipalities	
Municipality JACKSON TOWNSHIP	Notified MAIL	Certified Mail Sent Date 01/30/2017	Certified Mail Delivery Date 02/02/2017
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party JERRY L. NEELY	Address 125 HARTS RUN ROAD ALEPPO, PA 15310	Notifications WPU - Surface Landowners and Water Pur	veyors with water supplies less than 3000 ft
Municipality	Notified MAIL	Certified Mail Sent Date 01/30/2017	Certified Mail Delivery Date 02/03/2017
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
39 47 16.5900 -80 31 39 47 17.0400 -80 31 39 47 24.5000 -80 31	06.9500 Surface Water Boc 07.3200 Water Well - Privat 07.3600 Water Well - Privat 01.1800 Surface Water Boc	é Supply e Supply ly - Private Supply	
Interested Party PHILIP A. EVANS	Address 462 WAYNE BROWN ROAD BRUCETON MILLS, WV 26525	Notifications WPU - Surface Landowners and Water Pur	veyors with water supplies less than 3000 ft
Municipality	Notified MAIL	Certified Mail Sent Date 01/30/2017	Certified Mail Delivery Date 02/02/2017
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 39 46 43.1800 -80 30	38.7400 Water Well - Privat	e Supply	
Interested Party ROBERT C. EVANS JR & PHILIP A EVANS	Address 80 WILLOW DRIVE WASHINGTON, PA 15301	Notifications SL - Surface Landowner CO - Coal Owner WPWCU - Water Purveyor within 1000 ft	
Municipality	Notified MAIL	Certified Mail Sent Date 01/30/2017	Certified Mail Delivery Date 02/03/2017
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
394651.6400-8031394717.9900-8030	51.9700 Water Well - Privat 01.4500 Water Well - Privat 42.3900 Surface Water Boc 42.6700 Water Well - Privat	e Supply ly - Private Supply	
Interested Party SPRINGHILL TOWNSHIP	Address 268 WINDY GAP ROAD ALEPPO, PA 15310	Notifications MU - Municipalities	
Municipality SPRINGHILL TOWNSHIP	Notified MAIL	Certified Mail Sent Date 01/30/2017	Certified Mail Delivery Date 02/02/2017
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			



UPLOADED FILES				
Attachment Location Plat	File Name Dragon Chan 4_Final Sealed Dwg 7.10.2017.dwg	File Upload Date 07/10/2017		
Cryptographic Hash Value of File (SHA-512) 0C72a1E4C3F639CE66717308D7D61BFC86CBAC39C1775678303D16B596086AB9DD294B7DF1A9B	685DAAD220C0970940B4A9A27B5681E71792D339B3DCC38	FF82		
Attachment Pennsylvania Natural Diversity Inventory Form	File Name Dragon Chan PNDI 10.20.2016.pdf	File Upload Date 02/08/2017		
Cryptographic Hash Value of File (SHA-512) B2948DFB0E970D6021DF53F463CD4E46CCE0A6F18DE3D56AA3ACADD221963D6F7AACC780C67F5D05B9B06D19913521F38B0F8417237379E5ED184A7B4F65E726				
Attachment Operator Ownership and Control Information	File Name SIGNED RDB Oil and Gas Operator Ownership and Control Information_8000-FM-OOGM0118.pdf	File Upload Date 02/10/2017		
Cryptographic Hash Value of File (SHA-512) 7aA470855838797acAa716F7AE61AD34A7C1B4C0CD6BD3833BA8B9B9AF94B533F6A0B201E5B9C	885070BAFB40044D035BFFB1E1B65575A59565F4EFDAC2D	8C95		
Attachment Well Cross-Section Diagram	File Name Dragon Chan 4_Cross Section Diagram.pdf	File Upload Date 02/10/2017		
Cryptographic Hash Value of File (SHA-512) 38888A367884F2F93140503271409A6E1A53F1440BACA027312E87EFD58352F1F6DAA1638CE67	0ECD6057F6CEC8DED7339139CD498C837BC7204858FAC0F	ACAD		