

**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 INR OPR LLC	Legal Name INR OPERATING LLC	DEP Client ID# 341759	Phone 304-212-2359	FAX
Mailing Address (Street or PO Box) 2605 CRANBERRY SQUARE	Address 2			
City MORGANTOWN	State WV	Zip +4 26508-9201		
Email Address tbrown@infinitynr.com	24/7 Emergency Contact Name / Number IAN COSTELLO 304-212-2354			

WELL INFORMATION			
(Well) Farm Name COASTAL			
Well # 4H	Serial #	Project # (from DEP)	
County FAYETTE	Municipality SPRINGHILL TWP	911 Address of Well site (or nearest intersection) 2444 SPRINGHILL FURNACE ROAD LAKE LYNN PA 15451	
Is this an Unconventional well? Y	Is this a Coal well? Y	Bond Agreement ID	Well Deepest Point (TVD) 7619

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 COASTAL WELL PAD			
Will the proposed well location be covered under an existing or previous Erosion and Sediment Control General Permit? Y	ESCGP Number ESX10-051-0035	Will this well be built on a well pad? Y	Well Pad 147971-COASTAL WELL PAD

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?	Y
Did this well site have an active well permitted on April 16, 2012?	Y
Will the well require additional earth moving activities?	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

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COAL MODULE	
Will the well penetrate a workable coal seam?	Y
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?	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?	SOLID CORE
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.)	1127
Latitude/Longitude	39 43 59.4500 -79 48 03.1300
Metadata Method	GPS - UNSPECIFIED
Accuracy (in ft.)	3
Datum	North American Datum of 1983
Reference Elevation	1127
USGS Map Name	LAKE LYNN
USGS Map Section #	2
Offset South (in feet)	6156
Offset West (in feet)	2591

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 43 59.4500 -79 48 03.1300
Wellbore Origin Point True Vertical Depth (TVD)	0
Wellbore Origin Point Total Measured Distance (TMD)	0
Wellbore Deepest Point Lat/Long	39 43 52.1900 -79 48 14.5600
Wellbore Deepest Point True Vertical Depth (TVD)	7619
Wellbore Deepest Point Total Measured Distance (TMD)	8572
Bottom Hole Lat/Long	39 42 27.1400 -79 47 24.8100
Bottom Hole True Vertical Depth (TVD)	6911
Bottom Hole Total Measured Distance (TMD)	18055

WELL PAD LOCATION INFORMATION	
Well Pad Corner 1 Lat/Long	
Well Pad Corner 2 Lat/Long	
Well Pad Corner 3 Lat/Long	
Well Pad Corner 4 Lat/Long	
Well Site GPS Location Lat/Long	39 43 59.8584 -79 48 03.7008
Well Site Access Road GPS Lat/Long	39 44 01.4784 -79 48 11.7792

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	TISH BROWN
Document Generated	08/25/2020 02:36:21 PM

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INTERESTED PARTIES			
Interested Party BRANDON & MISTY BAILY	Address 2473 SPRINGHILL FURNACE ROAD LAKE LYNN, PA 15451	Notifications WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft	
Municipality	Notified MAIL	Certified Mail Sent Date 08/04/2020	Certified Mail Delivery Date 08/05/2020
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 39 43 48.4600 -79 48 20.0600 Water Well - Private Supply			
Interested Party COASTAL FOREST RESOURCES CO	Address P.O. BOX 709 BUCKHANNON, WV 26201	Notifications SL - Surface Landowner WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft CO - Coal Owner	
Municipality	Notified MAIL	Certified Mail Sent Date 07/24/2020	Certified Mail Delivery Date 07/29/2020
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 39 44 00.3600 -79 48 12.7400 Water Well - Private Supply			
Interested Party DUNKARD TOWNSHIP	Address P.O. BOX 369 370 N. MORELAND STREET BOBTOWN, PA 15315	Notifications MU - Municipalities	
Municipality DUNKARD TOWNSHIP	Notified MAIL	Certified Mail Sent Date 07/24/2020	Certified Mail Delivery Date 07/27/2020
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party GEORGES TOWNSHIP	Address 1151 TOWNSHIP DRIVE UNIONTOWN, PA 15401	Notifications MU - Municipalities	
Municipality GEORGES TOWNSHIP	Notified MAIL	Certified Mail Sent Date 07/24/2020	Certified Mail Delivery Date 07/27/2020
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 07/24/2020	Certified Mail Delivery Date 07/29/2020
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 07/24/2020	Certified Mail Delivery Date 07/29/2020
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party POINT MARION BOROUGH	Address P.O. BOX 236 426 MORGANTOWN STREET POINT MARION, PA 15474	Notifications MU - Municipalities	
Municipality POINT MARION BOROUGH	Notified MAIL	Certified Mail Sent Date 07/24/2020	Certified Mail Delivery Date 07/30/2020
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			



pennsylvania
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Interested Party RUSSELL C FIKE	Address 2455 SPRINGHILL FURNACE ROAD LAKE LYNN, PA 15451	Notifications SL - Surface Landowner WPU - Surface Landowners and Water Purveyors with water supplies less than 3000 ft	
Municipality	Notified MAIL	Certified Mail Sent Date 07/24/2020	Certified Mail Delivery Date 08/04/2020
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations 39 43 56.4000 -79 48 12.3300 Water Well - Private Supply			

Interested Party SPRINGHILL TOWNSHIP	Address 198 LAKE LYNN ROAD LAKE LYNN, PA 15451	Notifications MU - Municipalities	
Municipality SPRINGHILL TOWNSHIP	Notified PERSON	Certified Mail Sent Date	Certified Mail Delivery Date
Address Affidavit	Written Consent Y	Notification Acknowledgement Date 08/04/2020	Uploaded Files Coastal 4H - Springhill Township - Interested Party Signed Receipt - 08.04.2020.pdf
Water Source Locations			

Interested Party WHARTON TOWNSHIP	Address P.O. BOX 1 114 ELLIOTSVILLE ROAD FARMINGTON, PA 15437	Notifications MU - Municipalities	
Municipality WHARTON TOWNSHIP	Notified MAIL	Certified Mail Sent Date 07/24/2020	Certified Mail Delivery Date 07/30/2020
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			

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UPLOADED FILES		
Attachment Coordination of Well Location with Public Resources	File Name INR OPERATING - COASTAL 4H - COORDINATION_OF_WELL_LOCATION_WITH_PUBLIC_RESOURCES.	File Upload Date 07/23/2020
Cryptographic Hash Value of File (SHA-512) 8BE3A38A96203CC5D7C4193580FA3D871D5FD95CE14EDA011AA9604B673076CDF592680500FB9A42EE7172F64077D98CC6407C2B608FC4F2CD610DC63A22B0DC		
Attachment Location Plat	File Name INR OPERATING - COASTAL 4H - LOCATION PLAT 08.25.2020 DEP COMMENT REVISIONS.dwg	File Upload Date 08/25/2020
Cryptographic Hash Value of File (SHA-512) DF0C4C757799FA1590904C38C6E2AEEB8E36598C1967FB6033E2968405657BBFCFD31353506CC27213D8C7180495F489AD01D66668C4863036900E0851665990		
Attachment Pennsylvania Natural Diversity Inventory Form	File Name INR OPERATING - COASTAL 4H - PNDI INVENTORY 07.21.2020.pdf	File Upload Date 07/21/2020
Cryptographic Hash Value of File (SHA-512) 28B8E037DD1F39313E6529CD4BD3282B2A61E71652C74D10ED0E8FF9AB0BAD074DEB607085215D3014D231A6649CA924A7D8ECACB0430934951FAB856FFE7B97		
Attachment Location Plat	File Name INR OPERATING - COASTAL 4H - LOCATION PLAT 08.25.2020 DEP COMMENT REVISIONS.dwg	File Upload Date 08/25/2020
Cryptographic Hash Value of File (SHA-512) DF0C4C757799FA1590904C38C6E2AEEB8E36598C1967FB6033E2968405657BBFCFD31353506CC27213D8C7180495F489AD01D66668C4863036900E0851665990		
Attachment Operator Ownership and Control Information	File Name INR OPERATING - COASTAL 4H - OPERATOR_OWNERSHIP_AND_CONTROL_INFORMATION.FORM	File Upload Date 07/21/2020
Cryptographic Hash Value of File (SHA-512) E488EF286026A7AD48FD86F5639821E4134599F60BC023B859528CF783ADC008D8F86AE0530D2C17EBA67B35CB930E151085B62783C00CFC8D73172371B9774D		
Attachment Pennsylvania Natural Diversity Inventory Support Document (PA Game Commission)	File Name INR OPERATING - COASTAL 4H - PNDI SUPPORT 07.21.2020.pdf	File Upload Date 07/21/2020
Cryptographic Hash Value of File (SHA-512) 10A5466CCC7333AD2A48B27B058DF79EB43AA0F3A860D26E1DC04D7D7B21BB59C9DCCD6A6202BFA456CA055EE7435EA3A56BA77A4F55A5C8FB175594EA54D7B5		
Attachment Well Cross-Section Diagram	File Name INR OPERATING - COASTAL 4H - WELL CROSS-SECTION DIAGRAM 08.25.2020 DEP COMMENT REVISIONS.pdf	File Upload Date 08/25/2020
Cryptographic Hash Value of File (SHA-512) EA5D29397D1349C5C7A38B3E268DE5B18B32AEF2C8F8A7C60F0FBD89C6D1C235B345CF5B1BCA9D4A95B4D947E97749780533496A07C0F2DA16456AC2D1922E43		
Attachment Well Permit Application - Coal Module	File Name INR OPERATING - COASTAL 4H - COAL STATUS REPORT 07.24.2020.pdf	File Upload Date 07/24/2020
Cryptographic Hash Value of File (SHA-512) F76BFE9150F3DA588BD50B5D05D950F5CE32D5410AE6EAA17BF635FBE088C8ADC5597216CD78733CD28079E38E2A35D44555252F4264CF7497BC5101141CC848		
Attachment SPRINGHILL TOWNSHIP	File Name Coastal 4H - Springhill Township - Interested Party Signed Receipt - 08.04.2020.pdf	File Upload Date 08/05/2020
Cryptographic Hash Value of File (SHA-512) 8E2ACB93542F57A62CB98E2506AE898A9CB1C20B93157904389700915CF62F15F3589E2F59C67CA7705FB852F103A1B6390587542F8123AE069D771621B4FDD6		