

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

PERMIT APPLICATION TO DRILL AND OPERATE A CONVENTIONAL WELL

APPLICANT INFORMATION				
Applicant (Operator) Name INR OPERATING LLC	Legal Name INR OPERATING LLC	DEP Client ID# 341759	Phone 304-212-2354	FAX
Mailing Address (Street or PO Box) 2605 CRANBERRY SQUARE	Address 2			
City MORGANTOWN	State WV	Zip +4 26508-9201		
Email Address icostello@infinitynr.com	24/7 Emergency Contact Name / Number IAN COSTELLO 844-856-4195			

WELL INFORMATION			
(Well) Farm Name COASTAL			
Well # 2V	Serial # 37-051-24478	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? N	Is this a Coal well? Y	Bond Agreement ID	Well Deepest Point (TVD) 8000

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 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?	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 2,000 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 well be drilled within 200 feet from any existing building or an existing water supply?	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?	N
Will the well be drilled using high volume fracturing techniques in a formation above the base of the Elk Formation?	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

COAL MODULE	
Will the well penetrate a workable coal seam?	Y



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

PERMIT APPLICATION TO DRILL AND OPERATE A CONVENTIONAL WELL

Have any coal rights been severed from the surface estate?	N
Is this a "non-conservation" gas well?	N
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

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

PERMIT APPLICATION TO DRILL AND OPERATE A CONVENTIONAL WELL

WELLBORE SURFACE-HOLE LOCATION	
Surface elevation (in ft.)	1130
Latitude/Longitude	39 44 00.0100 -79 48 03.1900
Metadata Method	GPS - UNSPECIFIED
Accuracy (in ft.)	3
Datum	North American Datum of 1983
Reference Elevation	1130
USGS Map Name	LAKE LYNN
USGS Map Section #	2
Offset South (in feet)	6088
Offset West (in feet)	2592

WELLBORE LOCATION INFORMATION	
WELLBORE SURFACE HOLE LOCATION	
Type of Wellbore	GAS
Wellbore Configuration	Vertical Well
Target Formation	ORISKANY GROUP(ORISG)
Producing Formation	ORISKANY GROUP(ORISG)
Producing Formation	HUNTERSVILLE CHERT FORMATION(HUNTF)
Oldest Formation Penetrated	ORISKANY GROUP(ORISG)
Wellbore Origin Point Lat/Long	39 44 00.0100 -79 48 03.1900
Wellbore Origin Point True Vertical Depth (TVD)	0
Wellbore Origin Point Total Measured Distance (TMD)	0
Bottom Hole Lat/Long	39 44 00.0100 -79 48 03.1900
Bottom Hole True Vertical Depth (TVD)	8000
Bottom Hole Total Measured Distance (TMD)	8000

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	MICHAEL RACE
Document Generated	06/19/2018 09:33:26 AM

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

PERMIT APPLICATION TO DRILL AND OPERATE A CONVENTIONAL WELL

INTERESTED PARTIES			
Interested Party COASTAL FOREST RESOURCES CO	Address P.O. BOX 709 BUCKHANNON, WV 26201	Notifications SL - Surface Landowner WPC - Surface Landowners and Water Purveyors with water supplies less than 1000 ft CO - Coal Owner	
Municipality	Notified MAIL	Certified Mail Sent Date 05/02/2018	Certified Mail Delivery Date 05/04/2018
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 ST BOBTOWN, PA 15315	Notifications MU - Municipalities	
Municipality DUNKARD TOWNSHIP	Notified MAIL	Certified Mail Sent Date 05/02/2018	Certified Mail Delivery Date 05/08/2018
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 PERSON	Certified Mail Sent Date	Certified Mail Delivery Date
Address Affidavit	Written Consent N	Notification Acknowledgement Date 05/04/2018	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 05/02/2018	Certified Mail Delivery Date 05/04/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party NICHOLSON TOWNSHIP	Address 142 WOODSIDE OLDFRAME ROAD SMITHFIELD, PA 15478	Notifications MU - Municipalities	
Municipality NICHOLSON TOWNSHIP	Notified MAIL	Certified Mail Sent Date 05/02/2018	Certified Mail Delivery Date 05/04/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party POINT MARION BOROUGH	Address P.O. BOX 236 POINT MARION, PA 15474	Notifications MU - Municipalities	
Municipality POINT MARION BOROUGH	Notified MAIL	Certified Mail Sent Date 05/02/2018	Certified Mail Delivery Date 05/04/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party RUSSELL C FIKE	Address 2455 SPRINGHILL FURNACE ROAD LAKE LYNN, PA 15451	Notifications SL - Surface Landowner WPC - Surface Landowners and Water Purveyors with water supplies less than 1000 ft	
Municipality	Notified MAIL	Certified Mail Sent Date 05/02/2018	Certified Mail Delivery Date 05/17/2018
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	Notifications MU - Municipalities	



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

PERMIT APPLICATION TO DRILL AND OPERATE A CONVENTIONAL WELL

	LAKE LYNN, PA 15451		
Municipality SPRINGHILL TOWNSHIP	Notified MAIL	Certified Mail Sent Date 05/02/2018	Certified Mail Delivery Date 05/10/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			

Interested Party WHARTON TOWNSHIP	Address P.O. BOX 1 FARMINGTON, PA 15437	Notifications MU - Municipalities	
Municipality WHARTON TOWNSHIP	Notified MAIL	Certified Mail Sent Date 05/02/2018	Certified Mail Delivery Date 05/07/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			

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

PERMIT APPLICATION TO DRILL AND OPERATE A CONVENTIONAL WELL

UPLOADED FILES		
Attachment Coordination of Well Location with Public Resources	File Name COORDINATION_OF_A_WELL_LOCATION_WITH_PUBLIC_RESOURCES	File Upload Date 05/18/2018
Cryptographic Hash Value of File (SHA-512) 8056841CD54FDF47629C8FAAC067D62B3F32858A7FA431FE0A9BAA80D1DDEE2E36D701F183D18665ACEAE38A2FCDA12CDB20FE23BFD575CCC4EC5BF934A22FD		
Attachment Location Plat	File Name COASTAL 2V_3702.dwg	File Upload Date 06/19/2018
Cryptographic Hash Value of File (SHA-512) 96005130A21D53781ACA329019E8A1E0129F9319D0CE1217E8D505561E1707768196608FE5A129D5D09D1D2D41E9D9CA0CFB5930B4395AD168054A19BE2E6DD9		
Attachment Pennsylvania Natural Diversity Inventory Form	File Name project_receipt_infinity_natural_resource_655114_signed.pdf	File Upload Date 05/25/2018
Cryptographic Hash Value of File (SHA-512) 0FDB5ED672D41F5589B19CDC8E732D7DAD182FDCD743E55B5342E3793785C5849112C0F7D129030FE87B5B1683BB155CFB9ABF3416AE2CAC90CDFE37524E1C92		
Attachment Operator Ownership and Control Information	File Name INR Operating 8000-FM-OOGM0118 - Signed.pdf	File Upload Date 05/30/2018
Cryptographic Hash Value of File (SHA-512) 33D805AE2DB3885B73EEB96C8CB2DCD01CAF5EA17B2BD54C5787AC3BD01D8DFA8EB61A3C48587D72684397FE59AC58A2C59E9CA96CEB87D1F3BED6BF4FDE715A		
Attachment Pennsylvania Natural Diversity Inventory Support Document (PA Game Commission)	File Name PNDI SUPPORT DOCUMENT_UPLOAD.pdf	File Upload Date 05/25/2018
Cryptographic Hash Value of File (SHA-512) 06D8E5C2CC8DCF1ECA073FCD9C5DCB793EC570D26261C5F8DEF485B518501141BAFD545882D11815185E303A45D17101F1A8C150058446BD3692EC7F2C2600DE		
Attachment Well Permit Application - Coal Module	File Name Coal Status Report_2018-04-27.pdf	File Upload Date 05/30/2018
Cryptographic Hash Value of File (SHA-512) C781104B3366408E9DB6F9C449593028657B8769CFD226FDC27E2568ADCB696E72D25B22B531061A56C97CF52A361E93809CD430AE82F9B178650136F45D1A1A		