

**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 CHESS			
Well # 1	Serial # 37-051-24525	Project # (from DEP)	
County FAYETTE	Municipality GEORGES TWP	911 Address of Well site (or nearest intersection)	
Is this an Unconventional well? N	Is this a Coal well? Y	Bond Agreement ID	Well Deepest Point (TVD) 8198

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 CHESS 1			
Will the proposed well location be covered under an existing or previous Erosion and Sediment Control General Permit? Y	ESCGP Number ESX10-051-0017	Will this well be built on a well pad? Y	Well Pad 154471-CHESS 1

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?	N
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



**pennsylvania**  
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Have any coal rights been severed from the surface estate?	Y
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?	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
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)?	N

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WELLBORE SURFACE-HOLE LOCATION	
Surface elevation (in ft.)	1183
Latitude/Longitude	39 51 35.4400 -79 47 26.5200
Metadata Method	GPS - UNSPECIFIED
Accuracy (in ft.)	3
Datum	North American Datum of 1983
Reference Elevation	1183
USGS Map Name	SMITHFIELD
USGS Map Section #	3
Offset South (in feet)	5520
Offset West (in feet)	11422

WELLBORE LOCATION INFORMATION	
WELLBORE SURFACE HOLE LOCATION	
Type of Wellbore	GAS
Wellbore Configuration	Vertical Well
Target Formation	ORISKANY GROUP(ORISG)
Producing Formation	ONONDAGA LIMESTONE FORMATION(ONONF)
Producing Formation	TULLY FORMATION(TULLF)
Producing Formation	HUNTERVILLE CHERT FORMATION(HUNTF)
Oldest Formation Penetrated	ORISKANY GROUP(ORISG)
Wellbore Origin Point Lat/Long	39 51 35.4400 -79 47 26.5200
Wellbore Origin Point True Vertical Depth (TVD)	0
Wellbore Origin Point Total Measured Distance (TMD)	0
Bottom Hole Lat/Long	39 51 35.4400 -79 47 26.5200
Bottom Hole True Vertical Depth (TVD)	8198
Bottom Hole Total Measured Distance (TMD)	8198

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	
Well Site Access Road GPS Lat/Long	

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	08/01/2018 04:00:30 PM

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INTERESTED PARTIES			
Interested Party <b>FAIRCHANCE BOROUGH</b>	Address 125 W CHURCH ST. FAIRCHANCE, PA 15436	Notifications MU - Municipalities	
Municipality <b>FAIRCHANCE BOROUGH</b>	Notified MAIL	Certified Mail Sent Date 06/08/2018	Certified Mail Delivery Date 06/11/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party <b>GEORGES TOWNSHIP</b>	Address 1151 TOWNSHIP DRIVE UNIONTOWN, PA 15401	Notifications MU - Municipalities	
Municipality <b>GEORGES TOWNSHIP</b>	Notified MAIL	Certified Mail Sent Date 06/08/2018	Certified Mail Delivery Date 06/13/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party <b>GERMAN TOWNSHIP</b>	Address 2 LONG STREET MCCLELLANDTOWN, PA 15458	Notifications MU - Municipalities	
Municipality <b>GERMAN TOWNSHIP</b>	Notified MAIL	Certified Mail Sent Date 06/08/2018	Certified Mail Delivery Date 06/12/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party <b>NICHOLSON TOWNSHIP</b>	Address 142 WOODSIDE OLDFRAME ROAD SMITHFIELD, PA 15478	Notifications MU - Municipalities	
Municipality <b>NICHOLSON TOWNSHIP</b>	Notified MAIL	Certified Mail Sent Date 06/08/2018	Certified Mail Delivery Date 06/12/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party <b>RAYMOND N CHESS</b>	Address 253 CHESS RD SMITHFIELD, PA 15478	Notifications SL - Surface Landowner	
Municipality	Notified MAIL	Certified Mail Sent Date 06/22/2018	Certified Mail Delivery Date 06/25/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party <b>RGGS LAND &amp; MINERALS LTD L.P.</b>	Address 751 MCCLELLANDTOWN ROAD UNIONTOWN, PA 15401	Notifications CO - Coal Owner	
Municipality	Notified MAIL	Certified Mail Sent Date 06/08/2018	Certified Mail Delivery Date 06/11/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party <b>SMITHFIELD BOROUGH</b>	Address P.O. BOX 276 SMITHFIELD, PA 15478	Notifications MU - Municipalities	
Municipality <b>SMITHFIELD BOROUGH</b>	Notified MAIL	Certified Mail Sent Date 06/08/2018	Certified Mail Delivery Date 06/11/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party <b>SOUTH UNION TOWNSHIP</b>	Address 151 TOWNSHIP DRIVE UNIONTOWN, PA 15401	Notifications MU - Municipalities	
Municipality <b>SOUTH UNION TOWNSHIP</b>	Notified MAIL	Certified Mail Sent Date 06/08/2018	Certified Mail Delivery Date 06/12/2018
Address Affidavit N	Written Consent N	Notification Acknowledgement Date	Uploaded Files

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Water Source Locations			
Interested Party <b>SPRINGHILL TOWNSHIP</b>	Address <b>198 LAKE LYNN ROAD LAKE LYNN, PA 15451</b>	Notifications <b>MU - Municipalities</b>	
Municipality <b>SPRINGHILL TOWNSHIP</b>	Notified <b>MAIL</b>	Certified Mail Sent Date <b>06/08/2018</b>	Certified Mail Delivery Date <b>06/13/2018</b>
Address Affidavit <b>N</b>	Written Consent <b>N</b>	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			
Interested Party <b>WHARTON TOWNSHIP</b>	Address <b>P.O. BOX 1 FARMINGTON, PA 15437</b>	Notifications <b>MU - Municipalities</b>	
Municipality <b>WHARTON TOWNSHIP</b>	Notified <b>MAIL</b>	Certified Mail Sent Date <b>06/08/2018</b>	Certified Mail Delivery Date <b>06/12/2018</b>
Address Affidavit <b>N</b>	Written Consent <b>N</b>	Notification Acknowledgement Date	Uploaded Files
Water Source Locations			



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UPLOADED FILES		
Attachment Location Plat	File Name CHESS 1_3702.dwg	File Upload Date 08/01/2018
Cryptographic Hash Value of File (SHA-512) 9B13558BF93EE9518A6A35A5063961FD09E633FE243DAAEE4EAA7D45823A9CD03AC4F716DAD82A2F8C0067F867A02F413EC1E85E8628CB74F9DCA85095BB649		
Attachment Pennsylvania Natural Diversity Inventory Form	File Name project_receipt_chess_1_well_658428_FINAL_1.pdf	File Upload Date 06/26/2018
Cryptographic Hash Value of File (SHA-512) FAEF67796F9340EC1F76B3BA30C96C8816C213D9BBD051774109C09609055B8794EF408AF63448197D914DC944B303489FC11D50C6EB4B5E258868EC67995820		