



APPLICATION FOR COAL BED METHANE WELL PERMIT

State Form 54785 (R / 8-12) / Form A15
Approved by State Board of Accounts, 2012

INDIANA DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS
402 W. Washington St., Rm. 293
Indianapolis, IN 46204
Telephone number: (317) 232-4055
Fax number: (317) 232-1550
<http://www.in.gov/dnr/dnroil>



FOR STATE USE ONLY		
Application number 051020	Permit number 56189	Date received (month, day, year) 2/14/23
Date approved (month, day, year)		Approved by
IGS identification number 168415	IGS samples <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	IGS pool name Johnson Consol.

PART I GENERAL INFORMATION		
Name of operator Keyrock Energy LLC	Telephone number (423) 726 -2070	Fax number () -
Address of operator (number and street or PO Box) (<input type="checkbox"/> Check here if this is a new address) PO Box 2223		
City Johnson City	State TN	ZIP code 37605 -
Send permit to (Enter name and address) Bruce Horman bhorman@keyrockenergy.com	Telephone number (618) 443 -8753	Fax number () -
<input checked="" type="checkbox"/> Check here if you would like to have the permit sent via FAX or email. Email address: bhorman @ keyrockenerg.		
Applicant is (Check one only) <input type="checkbox"/> Individual <input type="checkbox"/> Partnership <input type="checkbox"/> Public corporation <input checked="" type="checkbox"/> Limited liability company <input type="checkbox"/> Corporation <input type="checkbox"/> Limited partnership		
NOTE: Corporations, limited partnerships and limited liability companies must register with the Secretary of State. For further information about registration, contact the Corporations Division, Secretary of State at (317) 232-6576		
Type of bond (Check one only) <input type="checkbox"/> Surety bond <input checked="" type="checkbox"/> Check <input type="checkbox"/> Blanket bond <input type="checkbox"/> Personal surety bond (Valid for Non-commercial gas wells only) <input type="checkbox"/> Certificate of deposit <input type="checkbox"/> Bond not required per IC 14-37-6-1		
NOTES: A bond must accompany this application unless the operator has a valid blanket bond on file with the division or is exempt from bonding under IC 14-37-6-1. All bonds must be originals and an original Verification of Certificate of Deposit form must accompany CD's. Checks must be certified. The bond amount for individual wells is \$2,500 and for blanket bonds is \$45,000.		
Well type (Check one only) <input checked="" type="checkbox"/> Coal Bed Methane - Check the boxes below beside items that are attached to the application: <input type="checkbox"/> Non-Commercial Coal Bed Methane - Check the boxes below beside items that are attached to the application: <input type="checkbox"/> Form A12 - Coal Owner's and Coal Lessee's Consent Forms (Coal is leased), <input checked="" type="checkbox"/> Form A14 - Coal Owner's Consent Form (Coal is not leased), <input checked="" type="checkbox"/> Notices of Intent to Apply for a CBM permit and Affidavit of No Waste of Coal Resources or Miner Endangerment with Proof of Service to Coal Owner and Coal Lessee if no Consent Forms are attached (See Application Reminders) <input checked="" type="checkbox"/> Notice of Intent to Survey with Proof of Service to Surface Owner (Required for every application), <input type="checkbox"/> Well Stimulation Plan; OR <input checked="" type="checkbox"/> Well will not be stimulated, <input type="checkbox"/> Horizontal Drilling Plan (If applicable), <input type="checkbox"/> Plugging Plan for Horizontal Well (If applicable). <input checked="" type="checkbox"/> Statement of Protection of Coal for Future Underground Mining (Required for every application)		
Application type (Check no more than two) <input checked="" type="checkbox"/> New well <input type="checkbox"/> Old well workover <input type="checkbox"/> Old well deepening <input type="checkbox"/> Horizontal well sidetracking <input type="checkbox"/> Conversion <input type="checkbox"/> Change of location <input type="checkbox"/> Change of operator (Complete PARTS I, II, VI and VII indicating lease lines and drilling unit boundaries, only unless another application type is also checked) <input type="checkbox"/> Permit renewal (Complete PARTS I, II and VI only unless another application type is also checked) Note: A \$250 permit fee is required.		
Fee Payment Method: <input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit Card (Attach credit card information on separate page or provide contact number: () -		
Former operator (If applicable)		Former Permit number (If applicable)

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PART II SURFACE LOCATION AND LEASE INFORMATION									
Name of lease Jones					Well number 1			Elevation (G.L.) 385	
Township 2S	Range 12W	Land type Section Land number: 30	¼	¼	¼	Footages: 105 ft. from <input type="checkbox"/> N, <input checked="" type="checkbox"/> S, <input type="checkbox"/> NW, <input type="checkbox"/> SE line 481 ft. from <input type="checkbox"/> E, <input checked="" type="checkbox"/> W, <input type="checkbox"/> NE, <input type="checkbox"/> SW line			
County Gibson			Distance to the nearest well capable of production from the same zone in which this well will be completed: >1000 feet						
Drilling unit acreage (Check one only) <input type="checkbox"/> 40 acres <input checked="" type="checkbox"/> Other <u>Mine Void</u> acres (Attach unit exception or petition for exception and supporting documentation)					<input type="checkbox"/> Check here if acreage is communitized (pooled) NOTE: Attach a copy of the unit agreement or declaration of pooling. If previously submitted identify the permit number under which it was submitted: Permit No.				
Lease acreage 8 Acres		Does operator own or control the rights to drill and produce coal bed methane in and under all land(s) within the drilling unit boundary and the lease acreage herein indicated and shown on the attached Survey? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No, explain the basis upon which the operator claims the right to drill and produce coal bed methane under this permit. Describe the documents that convey the rights by type and date of execution.							
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Does this application include a Notice of Intent to Survey and proof of delivery to the surface owner?							

PART III PROPOSED WELL CONSTRUCTION								
<input type="checkbox"/> Check here and go to PART IV if the well presently exists and the construction will not change								
Enter casing strings from largest to smallest and enter the cement information on successive rows for a casing string that will be set using multi cement stages.								
Casing Information					Cementing Information			
Casing Size (OD)	Casing Type	Casing Bottom	Casing Top	Hole Size	Cement Type	Cement Volume	Volume Type	Cement Yield
9.625	Surface	120 ft.	0 ft.	12.25	Class A	38	Sacks	1.18
7.0	Long String	620 ft.	0 ft.	8.75	Class A	93	Sacks	1.18
		ft.	ft.					
		ft.	ft.					
Packer setting depth _____ ft.				Centralizers at <u>as required</u> ft. _____ ft. _____ ft. _____ ft.				
Packer setting depth _____ ft.				Casing perforated From _____ ft. to _____ ft.				
Packer setting depth _____ ft.				From _____ ft. to _____ ft.				
				From _____ ft. to _____ ft.				
				From _____ ft. to _____ ft.				

PART IV DRILLING AND OPERATIONAL INFORMATION	
Section a All Wells	
Declination type (Check one only) <input checked="" type="checkbox"/> Vertical <input type="checkbox"/> Directional <input type="checkbox"/> Horizontal	
Note: For Directional & Horizontal wells the surface spot and termination point of the well must be shown on the survey.	
Proposed total vertical depth 620 feet (All wells)	Proposed measured length feet (Horizontal wells only)
Name of deepest formation to be drilled Coal V Springfield	
Name of deepest coal seam targeted Coal V Springfield	
<input type="checkbox"/> Pool (Name): _____ Or <input checked="" type="checkbox"/> Wildcat	

NAMES AND MAILING ADDRESSES OF THE SURFACE OWNER, COAL OWNER(S), COAL LESSEE(S):					
Type Recipient	Name	Address	City	State	Zip code
Surface Owner	Melvin and Loretta Jones	P.O. Box 1009	Riley	IN	47871
Coal Owner	Melvin and Loretta Jones	P.O. Box 1009	Riley	IN	47871
Coal Lessee					

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PART V	PROPOSED WELL DIAGRAM
	NOTE: This diagram is required for Coal Bed Methane wells.

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WELL CONSTRUCTION

Surface casing	
Setting depth	120 feet
Size (OD 9.62	in.
Hole size 12.25	in.
Cement top	Surface feet
Cubic feet 45	

Intermediate casing	
Setting depth	feet
Size (OD)	in.
Hole size	in.
Cement top	feet
Cubic feet	

Long string	
Setting depth	620 feet
Size (OD) 7	in.
Hole size 8.75	in.
Cement top	feet
Cubic feet	110

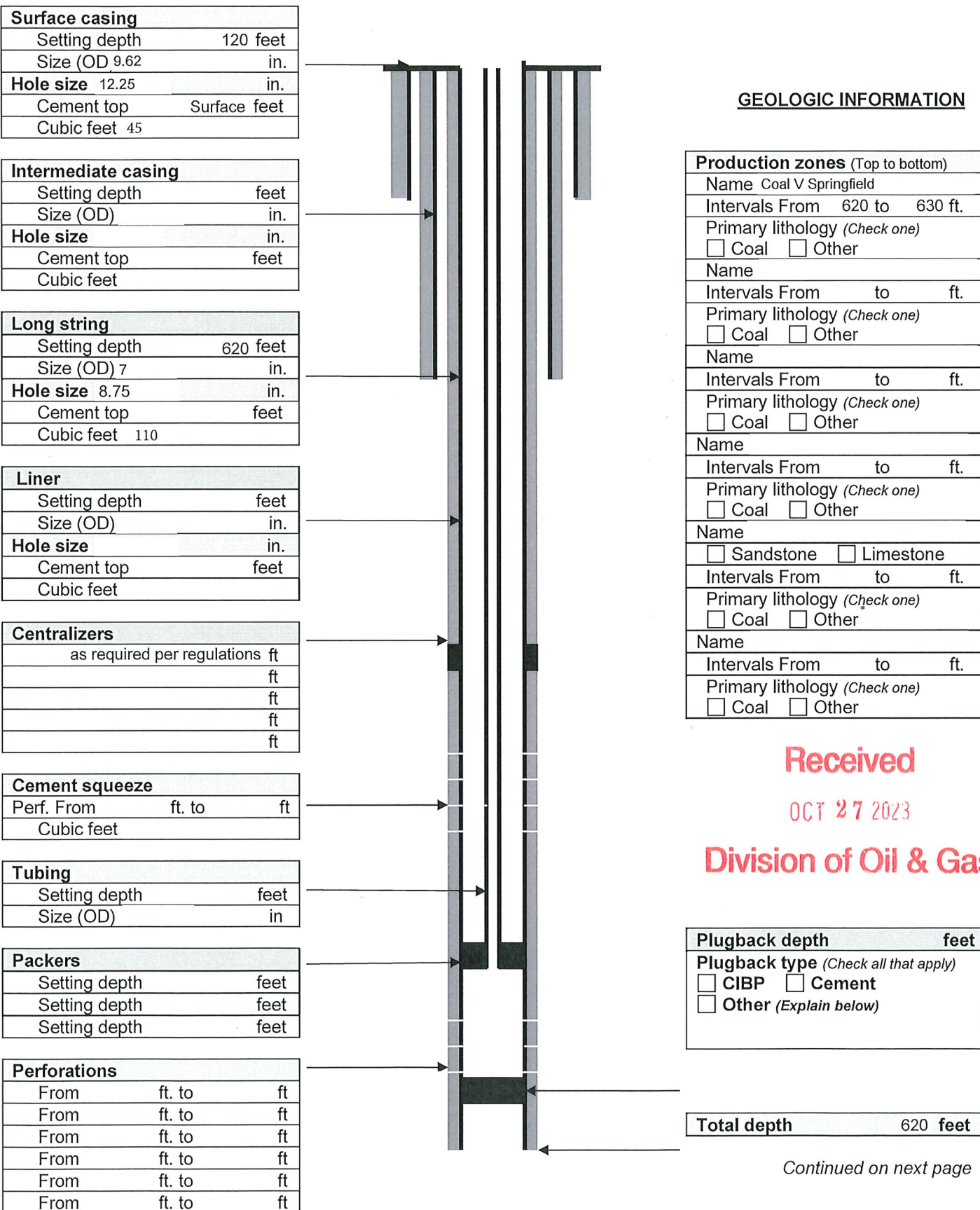
Liner	
Setting depth	feet
Size (OD)	in.
Hole size	in.
Cement top	feet
Cubic feet	

Centralizers
as required per regulations ft
ft
ft
ft
ft

Cement squeeze			
Perf. From	ft. to	ft	
Cubic feet			

Tubing	
Setting depth	feet
Size (OD)	in

Packers	
Setting depth	feet
Setting depth	feet
Setting depth	feet

[illegible]

GEOLOGIC INFORMATION

Production zones (Top to bottom)			
Name Coal V Springfield			
Intervals From		620 to	630 ft.
Primary lithology (<i>Check one</i>)			
<input type="checkbox"/> Coal		<input type="checkbox"/> Other	
Name			
Intervals From		to	ft.
Primary lithology (<i>Check one</i>)			
<input type="checkbox"/> Coal		<input type="checkbox"/> Other	
Name			
Intervals From		to	ft.
Primary lithology (<i>Check one</i>)			
<input type="checkbox"/> Coal		<input type="checkbox"/> Other	
Name			
Intervals From		to	ft.
Primary lithology (<i>Check one</i>)			
<input type="checkbox"/> Coal		<input type="checkbox"/> Other	
Name			
<input type="checkbox"/> Sandstone		<input type="checkbox"/> Limestone	
Intervals From		to	ft.
Primary lithology (<i>Check one</i>)			
<input type="checkbox"/> Coal		<input type="checkbox"/> Other	
Name			
Intervals From		to	ft.
Primary lithology (<i>Check one</i>)			
<input type="checkbox"/> Coal		<input type="checkbox"/> Other	

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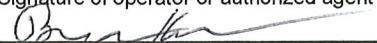
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Plugback depth	feet
Plugback type <i>(Check all that apply)</i>	
<input type="checkbox"/> CIBP	<input type="checkbox"/> Cement
<input type="checkbox"/> Other <i>(Explain below)</i>	

Total depth	620 feet
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Continued on next page

PART VI AFFIRMATION	
I affirm under penalty of perjury that the information provided in this application is true to the best of my knowledge and belief.	
Typed or printed name of operator or authorized agent Bruce Horman	
Signature of operator or authorized agent 	Date signed (month, day, year) 10-04-2023

SPECIAL REQUIREMENTS

1. Incomplete applications will be returned to the operator **without** being processed.
2. **Only** those individuals whose signatures appear in PARTS V and VI of the Organizational Report may sign this form.
3. The name of the operator on this application and the name of the principal on the bond **must** be identical.
4. If you are applying for a Change of Operator permit you are certifying that you have conducted a good faith search for the current operator and said operator could not be located.
5. If you are applying for a new well permit, do not forget to include the **Notice of Intent to Survey** and proof of service required under IC 32-23-7-6.5 that must be sent to the surface owner at least five (5) days prior to entering onto the property for the purpose of surveying the well location. An example of the notice is available on the division's website under Publications/Notices and Examples.

APPLICATION REMINDERS

PART I:

- Enter the name of the operator exactly as it appears on the Organizational Report.
- If you want to have a copy of the permit certificate faxed to you please check the appropriate box.
- Don't forget to register with the Indiana Secretary of State if you will operate as a Corporation, Limited Liability Company or Limited Partnership.
- Don't forget to attach the \$250 permit fee.
- If a Certificate of Deposit is selected as the Bond Type, don't forget to attach the original CD and original Verification of Certificate form.
- Check **all** of the appropriate boxes under Well Type to indicate which attachments are being submitted with this application. Required attachments **MUST** be included with the application or it will not be processed.
- If no Coal Owner and Coal Lessee (if coal is leased) consent forms are attached and if there is no copy of a written agreement that specifies other terms of notification of the operator's intent to drill a well for coal bed methane, the operator must send a **Notice of Intent to Apply for a CBM Permit** to the Coal Owner and Coal Lessee and submit a copy of the notice along with proof of service and an Affidavit of No Waste of Coal Resources or Miner Endangerment must accompany the application. An example of the Notice of Intent is available on the division's website under Publications/Notices and Examples.
- The Horizontal Drilling Plan and Plugging Plan for Horizontal Well must be submitted only if the proposed well declination is horizontal.
- If the proposed well will be stimulated, a Well Stimulation Plan must be submitted. Otherwise, check the box indicating that the well will not be stimulated.
- The Statement of Protection of Coal for Future Underground Mining must demonstrate that commercially minable coal outside of the coal bed methane production area is adequately protected for future underground mining.
- Examples of the required notices and affidavits may be found on the division's website under Publications – Notices and Examples.

PART II

- For this proposed coal bed methane well, be sure to indicate the distance to the nearest well capable of production from the same formation for which this permit is to be issued and make sure you check the rule requirements on well spacing to avoid placing the well an insufficient distance from an existing well.
- If you check the communitized box you must attach a copy of the pooling agreement or specify the permit number for the well under which the pooling agreement was previously submitted.
- If you check the Other box under the Drilling Unit section make sure to attach a copy of the exception.
- You must indicate that you own or control all of the coal bed methane within the proposed drilling unit before a permit can be issued. If you do not own or control all of the coal bed methane within the proposed drilling unit you must describe the basis upon which you claim the right to drill and operate a well for coal bed methane production.

PART III

- This part is used by the division to determine if your proposed well construction will meet the rule requirements. Please be sure to enter all information about the proposed construction so that it can be evaluated accurately.

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PART IV

- For all wells, be sure to specify the proposed total vertical depth, name of the deepest formation to be drilled, lowest coal seam to be targeted and the pool name.
- For horizontal wells, be sure to specify the proposed measured length.
- Include the names and addresses of the surface owner, coal owner(s) and coal lessee(s).

PART V

- The well diagram must be completed for all Coal Bed Methane well applications.
- Indicate the proposed depths of **all** centralizers. Proof of cement should be submitted with the completion report and Form R12–Verification of Coal Seam Protection Report in the form of cement tickets or a cement bond log.

PART VI

- Applications that do not contain an original signature cannot be processed.
- The signature **must** match a signature shown in Parts VI or VII of the operator's Organizational Report.
- If this application is for a Change of Operator your signature in PART VI certifies that you could not obtain this permit through the permit transfer process **ONLY** because the former operator could not be located.

PART VII

- If a coal bed methane well is intended to be hydraulically fractured, on either the well survey plat or a separate map, plot the location of the proposed coal bed methane well, labeling the distances to the closest quarter-quarter section (or other land type) lines. Draw a 500 foot (or the estimated half length of the proposed hydraulic fracture plane) radius circle around the well location. Inside the circle, plot all known water wells and all oil or gas wells that are deep enough to intersect the coal seams and label the oil and gas wells with the assigned permit number.

Important: A permit issued as a result of this application is a license to conduct an activity and does not convey any property rights to the permittee. Consequently, the permittee is solely responsible for acquiring any and all property rights necessary to use the permit for its stated purpose.

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Continued on next page.

PART VII

SURVEY

General Instructions

Use a 1"=1000' scale

Surveyor must complete the following:

- Clearly indicate the section township, and range on the survey, spot the well and show the footages from the lines.
- Use the surveyor's notes to explain deviations from a standard location such as topography and irregular sections.

Operator or authorized agent must complete the following:

- For oil or gas wells, separately outline the boundary of both of the following using different colors or line styles:
 - the leased or communitized area; AND
 - the drilling unit allotment.
- For all Directional and Horizontal wells show the surface location, kickoff point, AND termination point of the well.
- For all Horizontal wells identify the points where each horizontal drainhole enters and departs the target zone.
- For Enhanced Recovery and Saltwater Disposal wells, draw a 1/4 mile radius circle around the proposed well, spot all other wells (plugged or unplugged) that intersect the proposed injection zone(s), and put the permit number of each well over the spot.

NOTE: You must show the entire 1/4 mile radius circle around proposed Class II wells**SURVEYORS' NOTES:**

Elevation:

385 Feet

Keyrock Energy, LLC

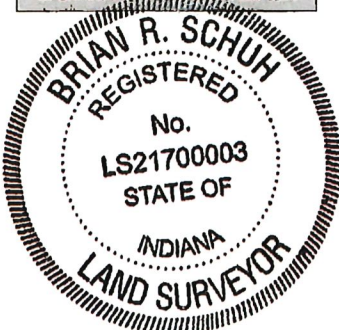
Gibson County

Jones #1

Lease

22.0104.750

See attached map.

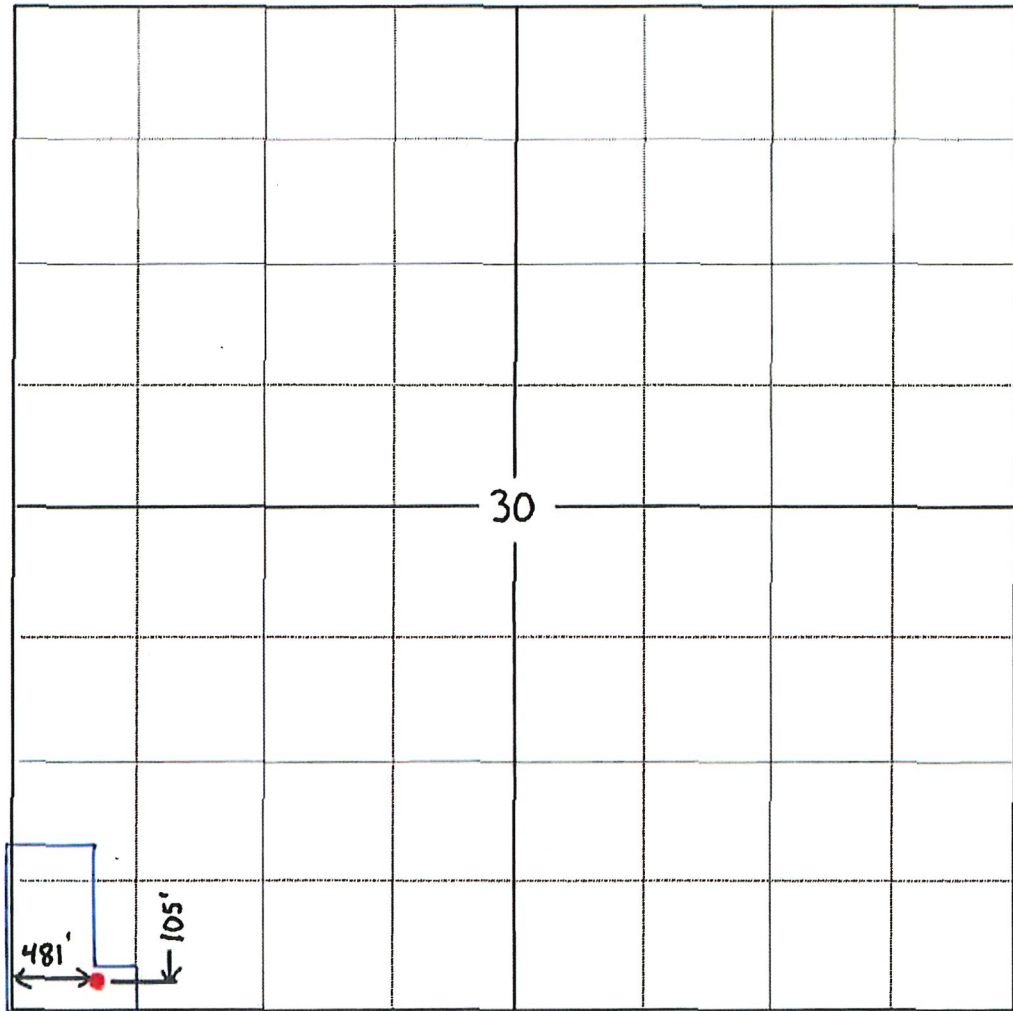
SURVEYORS' SEAL:

NAD 1983 UTM Zone 16N

UTMx: 430228m

UTMy: 4239888m

Enter UTM's in meters



R 12 E or (W)

CERTIFICATION

I hereby certify that to the best of my knowledge and belief, the proposed location of the above described well, fixed as the result of an instrument survey made by me in compliance with the requirements of the laws of Indiana, is truly and correctly set forth hereon.

Printed name of registered Indiana land surveyor

Brian R. Schuh

Signature of registered Indiana land surveyor

Brian R. Schuh

Date signed (month, day, year)

6-27-2022

Address (Street or PO, City, State, ZIP)

PO Box 160 323 West 3rd St. Mt. Carmel, IL 62863

Telephone number

(618) 262-8651

Special PART VII Requirements

- You should adjust the location of the center of the section on the diagram so that the entire set of information in the General Instructions shows on a single survey plat. (Example: If a horizontal well will begin in one section but terminate in another section, you should move the section center point so that portions of both sections appear on the plat.)
- Surveyor must be registered under IC 25-21.5. This form **must** contain an original signature and original seal.
- Coordinates should be based upon NAD 1983 Datum, Universal Transverse Mercator (UTM) Coordinate System, Zone 16N.

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6-27-2022

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NOTES:
1) PLOTTED LEASE IS BASED ON DOCUMENTS PROVIDED BY KEYROCK ENERGY, LLC

KEYROCK ENERGY, LLC
JONES #1
SECTION 30, T.2S., R.12W.
OF THE 2ND P.M.,
GIBSON COUNTY, INDIANA

LEGEND

- JONES #1
- SECTION LINE
- 1/4 SECTION LINE
- 1/4, 1/4 SECTION LINE
- LEASE

LOCATION	UTMx	UTMy	ELEVATION
JONES #1	430226m	4239886m	385'

LOCATION	LATITUDE	LONGITUDE	ELEVATION
JONES #1	38.304375°N	87.797996°W	385'




This map and the information shown on it is based on original government surveys, publically recorded documents, field investigation of survey monuments, instrument and GPS field measurements, and survey analysis. This survey does not meet the minimum standards for a boundary survey in Indiana.



BEARINGS BASED ON
NAD83 INDIANA WEST STATE
PLANE COORDINATE SYSTEM
0' 250' 500' 750'
SCALE 1" = 500'

Brian R. Schuh 6-27-2022
BRIAN R. SCHUH, PLS #LS21700003
LICENSE EXPIRATION DATE JULY 31, 2024

 Hampton, Lenzini and Renwick, Inc. <small>Civil & Structural Engineers • Land Surveyors • Environmental Services ELGIN • SPRINGFIELD • WOODBRIDGE • MT CARMEL www.hltrengineering.com</small>	PROJECT NO: 22.0104.750	
	MT. CARMEL OFFICE	
	323 WEST THIRD STREET P.O. BOX 160 MT. CARMEL, ILLINOIS 62863	
	PHONE: 618.262.6651 FAX: 618.263.3327	
SHEET 1 OF 1		SCALE: 1" = 500'
Date: 6/27/2022		Drawn By: BRS Checked By: BRS



Hampton, Lenzini and Renwick, Inc.

Civil Engineers • Structural Engineers • Land Surveyors • Environmental Specialists
www.hltrengineering.com

REC'D FEB 28 2022
B/S

NOTICE OF INTENT TO SURVEY

In accordance with I C 32-23-7-6.5: Applicants Name: Keyrock Energy, LLC, Address; P.O. Box 2223, Johnson City, TN 37605 being the owner or holder of oil, gas or coal bed methane mineral interest of lands within Section 30, Township: 2 South, Range 12 West of the 2nd PM in Gibson County, Indiana, hereby notifies you, as the surface owner, of those lands of our intention to have designated representatives enter that property for the purpose of surveying a drilling location for a well.

Jones
1
Lease Name
Well Number

2/11/2022
Date

Surface Owners:

Melvin and Loretta Jones
11201 Summerlin Sq Dr. Lot 609
Fort Myers Beach, FL 33931

I acknowledge that I have received this notice of intent to enter my property for the purpose of surveying a drilling location.

Mel Jones
Print Name

[Signature]
Signature

Loretta Jones
Print Name

[Signature]
Signature

323 West 3rd Street
P.O. Box 160
Mt Carmel, Illinois 62863
Tel. 618.262.8651
Fax 618.263.3327

3085 Stevenson Drive, Suite 201
Springfield, Illinois 62703
Tel. 217.546.3400
Fax 217.546.8116

380 Shepard Drive
Elgin, Illinois 60123-7010
Tel. 847.697.6700
Fax 847.697.6753

6825 Hobson Valley Drive
Unit 302
Woodridge, Illinois 60517
Tel. 847.697.6700
Fax 847.697.6753

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KEYROCK ENERGY LLC

Date: 10/04/2023

Subject: Jones #1 Wabash Mine Well - Structure Set Off Distance

The Jones # 1 well location located in Section 30, Twp. 2S, Range 12W of the 2nd PM, LAT. 38.304371°N, LON. 87.797579°W is more than 200' from any structures.

Bruce Horman



Manager of Development and Operations Keyrock Energy LLC - Midwest

Date 10/04/2023

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OCT 25 2023

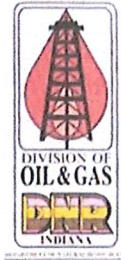
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Reset Form



COAL OWNER CONSENT (CBM)
(For Use When Coal is Not Leased)
State Form 54784 (8-11) / Form A14-CNL

INDIANA DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS
402 W. Washington St., Rm. 293
Indianapolis, IN 46204
Telephone number: (317) 232-4055
Fax number: (317) 232-1550
<http://www.in.gov/dnr/dnroil>



FOR STATE USE ONLY		
Date received (month, day, year)	Date approved (month, day, year)	Approved by:

PART I COAL OWNER INFORMATION		
Name of coal owner Melvin Jones		Telephone number (812) 208-5909
Address of coal owner (number and street or PO Box) PO Box 1009		
City Riley	State IN	ZIP code 47871 -

PART II PROPERTY AND COAL SEAM INFORMATION			
Parcel number		Coal seam(s): Coal V Springfield	Acres 8
Township 2S	Range 12W	Land survey type Land survey number: 22.0104.750	County Gibson
Parcel number		Coal seam(s):	Acres
Township	Range	Land survey type Land survey number:	County
Parcel number		Coal seam(s):	Acres
Township	Range	Land survey type Land survey number:	County

PART III AFFIRMATION AND SIGNATURE	
I, the undersigned, affirm that I am the owner of the right to the coal on the above described parcel(s) and that I have given my consent to the extraction of the coal bed methane from said coal by ^{Keyrock} Energy LLC. I have not leased the coal for the purpose of coal mining and I acknowledge that the recovery of coal bed methane may result in waste of the commercially minable coal resources.	
Signature of coal owner 	Date signed (month, day, year) 10/03/2023
Name (printed or typed) Melvin P. Jones	

Received

OCT 11 2023

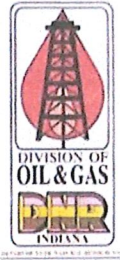
Division of Oil & Gas

Reset Form



COAL OWNER CONSENT (CBM)
(For Use When Coal is Not Leased)
State Form 54784 (8-11) / Form A14-CNL

INDIANA DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS
402 W. Washington St., Rm. 293
Indianapolis, IN 46204
Telephone number: (317) 232-4055
Fax number: (317) 232-1550
<http://www.in.gov/dnr/dnroil>



FOR STATE USE ONLY		
Date received (month, day, year)	Date approved (month, day, year)	Approved by:

PART I COAL OWNER INFORMATION		
Name of coal owner Loretta Jones		Telephone number (812)208-5908
Address of coal owner (number and street or PO Box) PO Box 1009		
City Riley	State IN	ZIP code 47871 -

PART II PROPERTY AND COAL SEAM INFORMATION			
Parcel number		Coal seam(s): Coal V Springfield	Acres 8
Township 2S	Range 12W	Land survey type Land survey number: 22.0104.750	County Gibson
Parcel number		Coal seam(s):	Acres
Township	Range	Land survey type Land survey number:	County
Parcel number		Coal seam(s):	Acres
Township	Range	Land survey type Land survey number:	County

PART III AFFIRMATION AND SIGNATURE	
<p>I, the undersigned, affirm that I am the owner of the right to the coal on the above described parcel(s) and that I have given my consent to the extraction of the coal bed methane from said coal by <small>Keyrock Energy, LLC</small>.</p> <p>I have not leased the coal for the purpose of coal mining and I acknowledge that the recovery of coal bed methane may result in waste of the commercially minable coal resources.</p>	
Signature of coal owner 	Date signed (month, day, year) 10/03/2023
Name (printed or typed) Loretta Jones	

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Division of Oil & Gas

September 04, 2023

Melvin and Loretta Jones
PO Box 1009
Riley, IN 47871

In accordance with IC 14-37-4-8.5 (d), we the Operator, Keyrock Energy, LLC are required to notify the coal owner of our intent to drill CBM wells at the location described as: Section 30, Twp. 2S, Range 12W of the 2nd PM, LAT. 38.304371O N, LON. 87.797579O W in Gibson County, Indiana.

We have also enclosed the official notices required including the Intent To Apply for a Coal Bed Methane well permit and affidavit of no waste of commercially minable coal and no endangerment of the health and safety of coal miners.

If you would like to reach us regarding concerns, you may do so at the contact information below.

Respectfully,



Bruce Horman
Operations Manager
Keyrock Energy, LLC
207 E Main St., Suite 2-D
Johnson City, TN 37604

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Division of Oil & Gas

NOTICE OF INTENT TO APPLY FOR A Coal Bed Methane Well Permit

Keyrock Energy, LLC, 207 E. Main St., Suite 2-D, Johnson City, TN 37604 intends to submit to the Division of Oil and Gas an application for a permit to drill and construct a well to be used for the production of Coal Bed Methane. The well will be located 105 feet from the South line, 481 feet from the West line, in Section 30, Twp. 2S, Rng. 12W, Gibson County, Indiana.

The subject well, Jones #1, is intended to produce coal bed methane from the Coal V Springfield at an approximate depth of 630 feet.

Written comments and objections to the issuance of a permit for this well based on the premise that the well will result in waste of a commercially minable coal or that the well will endanger the health and safety of miners must be submitted to the Division of Oil and Gas within thirty (30) days of the receipt of this notice and should be mailed to:

Division of Oil and Gas
Department of Natural Resources
Attn: Technical Services Section
402 W. Washington Street, Rm. W293
Indianapolis, IN 46204-2748

After the application is submitted, you may obtain a copy of or further information about the application by contacting the division at (317) 232-4055. The submitted application will be made available for review at the above address from 8 A.M. to 4:30 A.M. EST, Monday through Friday, or on the division's website at: www.in.gov/dnr/dnroil.

Optional:

I acknowledge that I have received this notice of intent to apply for a coal bed methane well permit.

Print Name

Signature

Date

Address

City, IN Zipcode

Received

OCT 11 2023

Division of Oil & Gas

AFFIDAVIT

In accordance with IC 14-37-4-8.5(d), Keyrock Energy, LLC, 207 E. Main St., Suite 2-D, Johnson City, TN 37604, hereby certifies that the proposed well - Jones Well Number 1 – located in Section 30, Twp. 2S, Rng. 12W, Gibson County, Indiana is intended to produce coal bed methane from the Coal V Springfield coal which has an average thickness of 10 feet at an approximate depth of 630 feet. The proposed well is located approximately 13,304 feet from an existing underground coal mine operation. The owner of the coal, Melvin and Loretta Jones, does not have experience in the underground mining of coal. The proposed well will be vertically drilled which should have minimal effect on the integrity of the coal seam.

Keyrock Energy, LLC has performed the following actions to verify that the proposed activities for which a permit is being sought do not and will not result in waste of a commercially mineable coal resource or the endangerment of the health and safety of coal miners: The Wabash Mine is closed and these coal corridors are no longer viable for underground mining, therefore there are no endangerment of health and safety of coal miners and will not be a commercially mineable waste of coal resources.

.....
For Applicant's Name:

Bruce Horman

Print Name



Signature

Received

OCT 11 2023

Division of Oil & Gas

09/28/2023

Date

ALERT: ON NOVEMBER 8, 2023, THE TRACKING APPLICATION WILL BE UNAVAILABLE FOR...

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FAQs >

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Riley, IN 47871

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City, State, ZIP+4®

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

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OCT - 4 2023
10/04/2023

Feedback

STATEMENT OF PROTECTION OF COAL FOR FUTURE UNDERGROUND MINING

In accordance with IC 14-37-4-8(d)(4), Keyrock Energy LLC declares that commercially mineable coal outside of the coal bed methane production area that contains the proposed coal bed methane well, Jones #1, is protected for future underground mining for the following reasons:

- x No hydraulic fracturing will be performed on Coal V Springfield that will be used for coal bed methane production
- o The proposed well is at least 500 feet (or the estimated or calculated fracture half length) inside of the outside boundary of the coal bed methane production area.
- x The proposed well is not being drilled horizontally within the coal seam.
- o Other (please specify)

Bruce Horman



Signature

September 22, 2023

Date

Received

NOV 05 2023

Division of Oil & Gas

February 8, 2023

Via Email: ARosales@dnr.IN.gov
Indiana Department of Natural Resources
Division of Oil & Gas
Attn: Alicia M. Rosales
402 West Washington St., Room 293
Indianapolis, IN 46204

Re: Jones Well #1, Gibson County, IN

Dear Ms. Rosales:

This letter supplements Keyrock Energy's Application for Coal Bed Methane Well Permit.

Our objective is to drill and complete the well as outlined in the application to access

methane in the mine void, after accessing testing of the gas flow and quality will take place. The review of these results will help guide us in its use. The gas volume,

purity and economic feasibility will guide us as to whether it can be sold into the pipeline, used to make electricity, or flared.

The gas will be monitored through our metering instrumentation unit, tracking flow and composition. Also, A PLC based SCADA system will give us 24/7 monitoring capabilities, connected to a call center that will alert our staff 24/7 if any issues arise.

For security and safety, a 24-hour live view surveillance camera system will also be present to monitor the site.

This gives us the information needed to pay the mineral owner their royalty and the State of Indiana severance tax. Allowing the current stranded gas in the mine void to be commercialized, so no waste of Indiana's natural resources will take place.

Respectfully,



Bruce Horman
Operations Manager
Keyrock Energy, LLC
207 E Main St., Suite 2-D
Johnson City, TN 37604

Received

FEB 14 2023

Division of Oil & Gas

Coal Bed Methane Production for Carbon Offset Credits Affidavit

“Waste” as defined in IC 14-8-2-302 is prohibited under IC 14-37-11. Coal bed methane may be found commercially marketable for carbon offset credits via capture and destruction. For this method of commercial activity, wellsite capture and destruction of coal bed methane constitutes gas production.

For the purposes of recording gas production for carbon offset credits, production must be assessed at time of destruction. The well must be equipped with meters such that gas volumes captured and destructed can be recorded. As per 312 IAC 29-26, production values must be recorded on a monthly basis and reported annually using the appropriate form.

Capture and destruction of coal bed methane for carbon offset credits is severance of the petroleum from the land and severance tax per IC 6-8-1 and associated royalties must be paid accordingly.

As per IC 14-37-8-1, an operator shall plug or abandon a well that ceases to produce natural gas or is no longer operated for the purpose for which the well was permitted. Production may not cease for more than sixty (60) days.

I affirm under penalty of perjury that I understand the above conditions of coal bed methane production for carbon offset credits.

Typed or printed name of operator or authorized agent

Bruce Horman

Signature of operator or authorized agent



Date signed (*month, day, year*)

10/03/2023

Received

OCT 11 2023

Division of Oil & Gas
April 21, 2023

