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

DIVISION OF OIL & GAS
DNR INDIANA
DEPARTMENT OF NATURAL RESOURCES

FOR STATE USE ONLY

Application number	Permit number	Date received *(month, day, year)*
050946	56148	6/22/22
Date approved *(month, day, year)*	**Approved by**	
IGS identification number	**IGS samples**	**IGS pool name**
1083601	☒ Yes ☐ No	Princeton West

PART I GENERAL INFORMATION

Name of operator	Telephone number	Fax number
Pioneer Oil Company, Inc.	(812) 494 -2800	(812) 494 -2508

Address of operator *(number and street or PO Box)* (☐ *Check here if this is a new address*)
400 Main Street P.O. Box 237

City	State	ZIP code
Vincennes	Indiana	47591 -

Send permit to *(Enter name and address)*	Telephone number	Fax number
Brandi Stennett- Pioneer Oil Company, Inc.	(812) 494 -2809	( ) -

☒ **Check here if you would like to have the permit sent via FAX or email. Email address:** bstennett@pioneeroil.net

Applicant is *(Check one only)*
☐ Individual ☐ Partnership ☐ Public corporation
☐ Limited liability company ☑ Corporation ☐ 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)*
☐ Surety bond ☐ Check
☐ Blanket bond ☐ Personal surety bond *(Valid for Non-commercial gas wells only)*
☐ Certificate of deposit ☑ 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)*
☑ Coal Bed Methane - Check the boxes below beside items that are attached to the application:
☐ Non-Commercial Coal Bed Methane - Check the boxes below beside items that are attached to the application:
☑ Form A12 – Coal Owner's and Coal Lessee's Consent Forms (Coal is leased),
☐ Form A14 – Coal Owner's Consent Form (Coal is not leased),
☑ 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)*,
☑ Notice of Intent to Survey with Proof of Service to Surface Owner *(Required for every application)*,
☐ Well Stimulation Plan; OR ☑ Well will not be stimulated,
☐ Horizontal Drilling Plan *(If applicable)*,
☐ Plugging Plan for Horizontal Well *(If applicable)*.
☑ Statement of Protection of Coal for Future Underground Mining *(Required for every application)*

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Application type *(Check no more than two)*
☑ New well
☐ Old well workover
☐ Old well deepening
☐ Horizontal well sidetracking
☐ Conversion
☐ Change of location

☐ 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)*

☐ 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: ☑ Check ☐ Credit Card (Attach credit card information on separate page or provide contact number: ( ) -

Former operator *(If applicable)*	Former Permit number *(If applicable)*

PART II SURFACE LOCATION AND LEASE INFORMATION

Name of lease	Well number	Elevation (G.L.)
Marvel	3	400'

Township	Range	Land type Section ☑	¼	¼	¼	Footages
1 S	11 W	Land number: 33			SE	132 ft. from ☑N, ☐S, ☐NW, ☐SE line 522 ft. from ☐E, ☑W, ☐NE, ☐SW line

County	Distance to the nearest well capable of production from the same zone in which this well will be completed:
Gibson	>990 feet

Drilling unit acreage *(Check one only)*
- ☐ 40 acres
- ☑ Other Not Applicable acres

(Attach unit exception or petition for exception and supporting documentation)

☐ 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: 447.1135 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? ☒ Yes ☐ 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. as per operator AMR

☑ Yes ☐ No — Does this application include a Notice of Intent to Survey and proof of delivery to the surface owner? 8/15/22

PART III PROPOSED WELL CONSTRUCTION

☐ **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
8.625	Surface	200 ft.	0 ft.	12.25	Class A	100	Sacks	1.15
5.5	Long String	443 ft.	0 ft.	7.875	Class A	85	Sacks	1.15
		ft.	ft.					
		ft.	ft.					

Packer setting depth _____ ft.
Packer setting depth _____ ft.
Packer setting depth _____ ft.

Centralizers at as required ft. _____ ft. _____ ft. _____ ft.

Casing perforated From _____ ft. to _____ 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)*: ☑ Vertical ☐ Directional ☐ 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: 480 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

☐ Pool (Name): Or ☑ 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	Mark Marvel etal	1029 N 400 W	Princeton	IN	47670
Coal Owner	Mark marvel etal	1029 N 400 W	Princeton	IN	47670
Coal Lessee	Gibson County Coal LLC	1717 Boulder Ave Ste 400	Tulsa	OK	74119

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Continued on the next page

PART V PROPOSED WELL DIAGRAM

NOTE: This diagram is required for Coal Bed Methane wells.

WELL CONSTRUCTION

Surface casing	
Setting depth	200 feet
Size (OD 8.62	in.
Hole size 12.25	in.
Cement top	0 feet
Cubic feet 114	

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

Long string	
Setting depth	443 feet
Size (OD) 5.5	in.
Hole size 7.88	in.
Cement top	0 feet
Cubic feet 116	

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

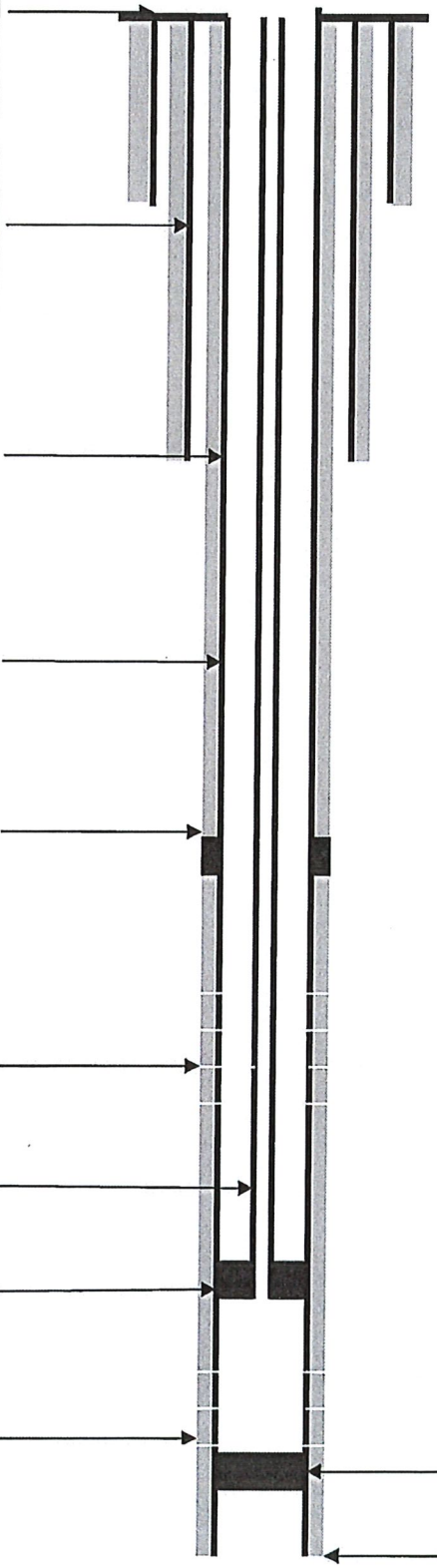
Centralizers	
as required per regulations	ft
	ft
	ft
	ft
	ft

Cement squeeze		
Perf. From	ft. to	ft
Cubic feet		

Tubing	
Setting depth	443 feet
Size (OD) 2.375	in

Packers	
Setting depth	feet
Setting depth	feet
Setting depth	feet

Perforations		
From	ft. to	ft
From	ft. to	ft
From	ft. to	ft
From	ft. to	ft
From	ft. to	ft
From	ft. to	ft



GEOLOGIC INFORMATION

Production zones (Top to bottom)
Name Coal V Springfield
Intervals From 443 to 450 ft.
Primary lithology *(Check one)* ☑ Coal ☐ Other
Name
Intervals From to ft.
Primary lithology *(Check one)* ☐ Coal ☐ Other
Name
Intervals From to ft.
Primary lithology *(Check one)* ☐ Coal ☐ Other
Name
Intervals From to ft.
Primary lithology *(Check one)* ☐ Coal ☐ Other
Name
☐ Sandstone ☐ Limestone
Intervals From to ft.
Primary lithology *(Check one)* ☐ Coal ☐ Other
Name
Intervals From to ft.
Primary lithology *(Check one)* ☐ Coal ☐ Other

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Plugback depth	**feet**
Plugback type *(Check all that apply)* ☐ **CIBP** ☐ **Cement** ☐ **Other** *(Explain below)*	

Total depth	480 **feet**

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 Brandi Stennett	
Signature of operator or authorized agent Brandi Stennett	Date signed *(month, day, year)* 6/3/2022

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.

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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 proposd 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.

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 ¼ mile radius circle around proposed Class II wells

SURVEYORS' NOTES:

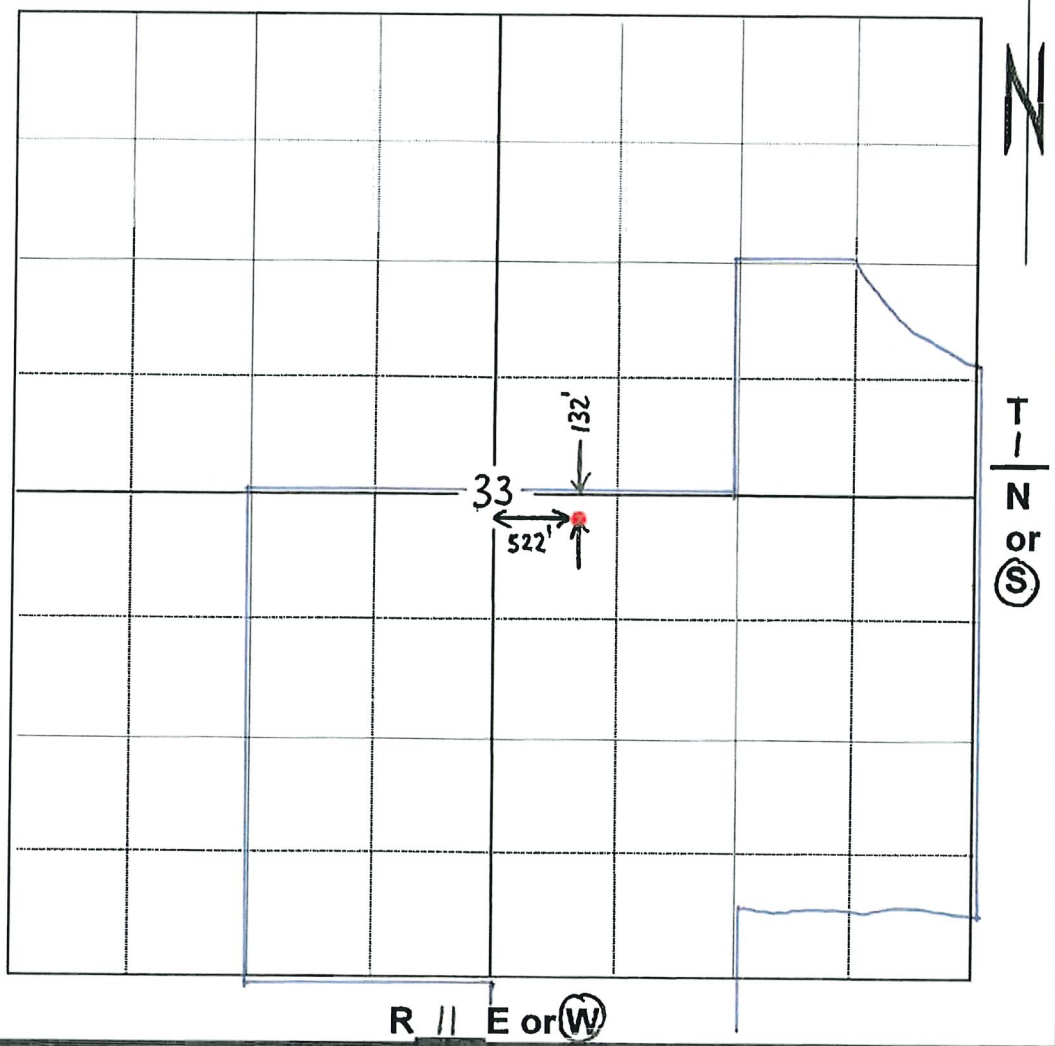
Elevation:
400 Feet
Pioneer Oil Co.
Gibson County
Marvel #3
Lease

22.0351.750
See attached map.

SURVEYORS' SEAL:

BRIAN R. SCHUH
REGISTERED
No.
LS21700003
STATE OF
INDIANA
LAND SURVEYOR

NAD 1983 UTM Zone 16N
UTMx: 444248m
UTMy: 4248622m
Enter UTMs in meters



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	Signature of registered Indiana land surveyor	Date signed *(month, day, year)*
Brian R. Schuh	Br AUG 2022	8-15-2022

Address *(Street or PO, City, State, ZIP)*	Telephone number
PO Box 160 323 West 3rd St. Mt. Carmel, IL 62863	(618) 262 - 8651

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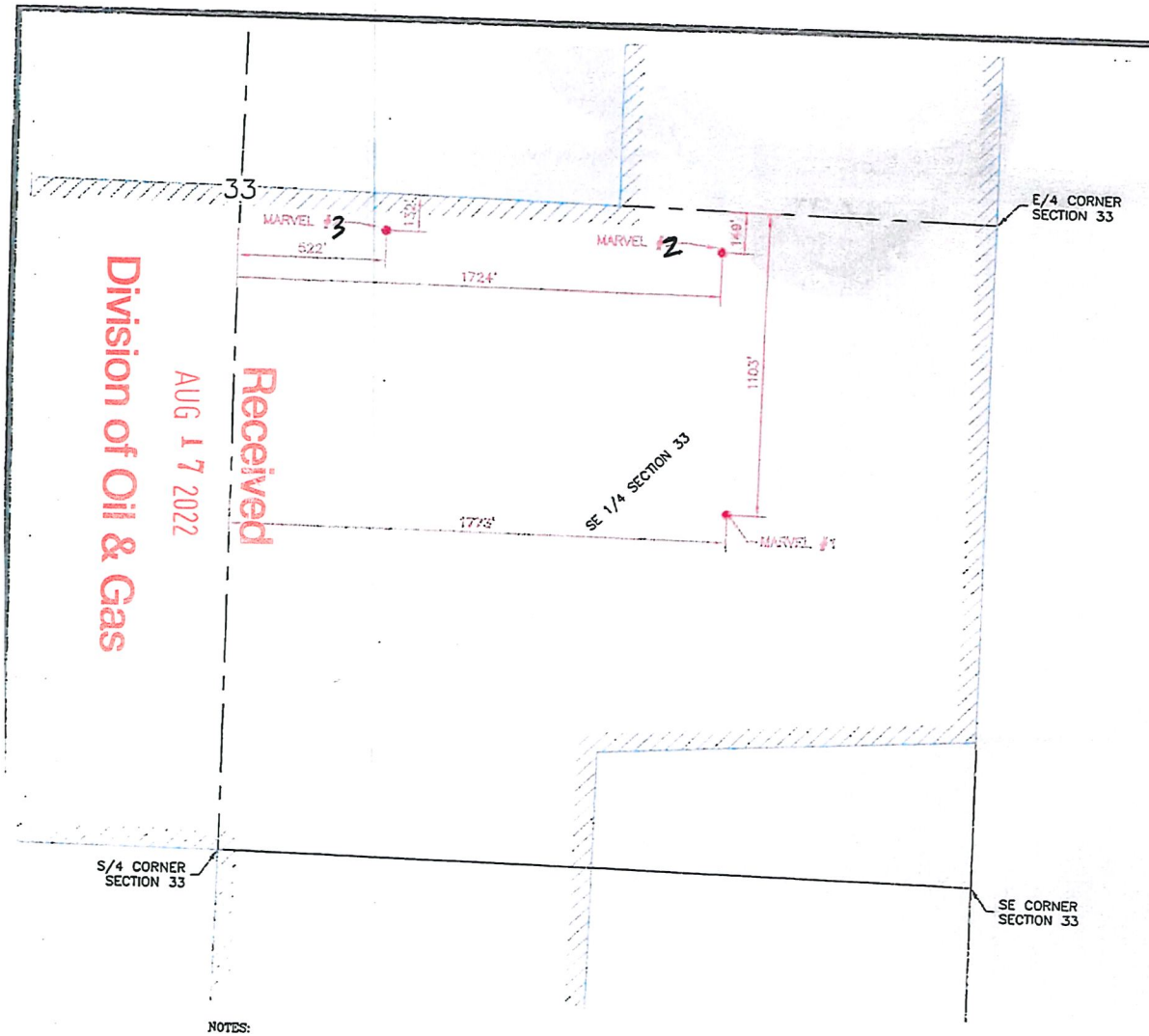
Special PART VII Requirements

1. 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.)
2. Surveyor must be registered under IC 25-21.5. This form **must** contain an original signature and original seal.
3. Coordinates should be based upon NAD 1983 Datum, Universal Transverse Mercator (UTM) Coordinate System, Zone 16N.



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PIONEER OIL COMPANY
MARVEL #1–#3
SECTION 33, T.1S., R.11W.
OF THE 2ND P.M.,
GIBSON COUNTY, INDIANA

LEGEND

- PROPOSED LCOATIONS
- SECTION LINE
- 1/4 SECTION LINE
- LEASE

LOCATION	UTMx	UTMy	ELEVATION
MARVEL #1	444625m	4248316m	400'
MARVEL ~~#2~~ 3	444248m	4248622m	400'
MARVEL ~~#3~~ 2	444614m	4248609m	402'

as per operator 8/17/22 SMR

LOCATION	LATITUDE	LONGITUDE	ELEVATION
MARVEL #1	38.381345°N	87.634006°W	400'
MARVEL ~~#2~~ 3	38.384089°N	87.638346°W	400'
MARVEL ~~#3~~ 2	38.383967°N	87.634153°W	402'

BRIAN R. SCHUH
REGISTERED
No.
LS21700003
STATE OF
INDIANA
LAND SURVEYOR

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.

Brian R Schuh 5-26-2022
BRIAN R. SCHUH, PLS #LS21700003
LICENSE EXPIRATION DATE JULY 31, 2024

BEARINGS BASED ON NAD83 INDIANA WEST STATE PLANE COORDINATE SYSTEM

0' 200' 400' 600'

SCALE 1" = 400'

NOTES:

PLOTTED LEASE IS BASED ON DOCUMENTS PROVIDED BY PIONEER OIL COMPANY.

HLR
Hampton, Lenzini and Renwick, Inc.
Civil & Structural Engineers . Land Surveyors . Environmental Services
ELGIN . SPRINGFIELD . WOODRIDGE . MT CARMEL
www.hlrengineering.com

PROJECT NO: 22.0351.750
MT. CARMEL OFFICE
323 WEST THIRD STREET
P.O. BOX 160
MT. CARMEL, ILLINOIS 62863
PHONE: 618.262.8651
FAX: 618.263.3327

SHEET 1 OF 1

Drawn By: BRS
Checked By: BRS
Date: 5/26/2022

SCALE: 1" = 400'

PIONEER
OIL COMPANY, INC

May 9, 2022

Mark A. Marvel, David Lee Marvel, Sandra A Bury
1029 N 400 W
Princeton, IN 47670

Dear Landowners:

Please be advised that a surveyor will be staking a well on your property in the near future.

Sec 4-Township 2 S-Range 11 W
Gibson County, Indiana

Sec32-Township 1 S-Range 11 W
Gibson County, Indiana

Sec 33-Township 1 S-Range 11 W
Gibson County, Indiana

Pioneer Oil Company, Inc. 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.

Sincerely,

Brandi Stennett
Director of Regulatory Compliance

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I acknowledge that I have received this notice of intent to enter my property for the purpose of surveying a drilling location without future notice and waive the five day notification period.

Mark A. Marvel
Surface Owner Signature

5/9/2022
Date

400 Main Street, Vincennes, IN 47591
P 812-494-2800 | F 812-494-2508

COAL OWNER OR COAL LESSEE CONSENT (CBM)
(For Use When Coal is Leased)

State Form 54405 (R / 8-11) / Form A12-CL

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/LESSEE INFORMATION	
Name of coal owner/lessee Mark A. Marvel, David L Marvel, Sandra S Bury		Telephone number (812) 385-3344
Address of coal owner/lessee *(number and street or PO Box)* 1029 N 400 W		
City Princeton	State Indiana	ZIP code 47670 -

PART II	PROPERTY AND COAL SEAM INFORMATION		
Parcel number 26-04-33-400-000.827-027		Coal seam(s): Coal Seam V Springfield Coal	Acres 138.1526
Township 1S	Range 11W	Land survey type Land survey number: Sec 33	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 either the ☑ owner or ☐ lessee *(select one)* 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 Pioneer Oil Company Inc. I acknowledge that the recovery of coal bed methane might result in waste of the commercially minable coal resources.

Signature of coal owner/lessee	Date signed *(month, day, year)*
Mark A. Marvel	8/17/2022
Name *(printed or typed)* Mark A. Marvel	

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COAL OWNER OR COAL LESSEE CONSENT (CBM)
(For Use When Coal is Leased)

State Form 54405 (R / 8-11) / Form A12-CL

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Date received *(month, day, year)*	Date approved *(month, day, year)*	Approved by:

PART I	COAL OWNER/LESSEE INFORMATION	
Name of coal owner/lessee Mark A. Marvel, David L Marvel, Sandra S Bury		Telephone number (812)385-3344
Address of coal owner/lessee *(number and street or PO Box)* 1029 N 400 W		
City Princeton	State Indiana	ZIP code 47670 -

PART II	PROPERTY AND COAL SEAM INFORMATION		
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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 either the ☑ owner or ☐ lessee *(select one)* 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 Pioneer Oil Company Inc. I acknowledge that the recovery of coal bed methane might result in waste of the commercially minable coal resources.

Signature of coal owner/lessee	Date signed *(month, day, year)*
David L. Marvel	8/17/2022
Name *(printed or typed)* David L. Marvel	

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COAL OWNER OR COAL LESSEE CONSENT (CBM)
(For Use When Coal is Leased)

State Form 54405 (R / 8-11) / Form A12-CL

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Date received *(month, day, year)*	Date approved *(month, day, year)*	Approved by:

PART I	COAL OWNER/LESSEE INFORMATION	
Name of coal owner/lessee Mark A. Marvel, David L Marvel, Sandra S Bury		Telephone number (812)385-3344
Address of coal owner/lessee *(number and street or PO Box)* 1029 N 400 W		
City Princeton	State Indiana	ZIP code 47670 -

PART II	PROPERTY AND COAL SEAM INFORMATION		
Parcel number 26-04-33-400-000.827-027		Coal seam(s): Coal Seam V Springfield Coal	Acres 138.1526
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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 either the ☑ owner or ☐ lessee *(select one)* 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 Pioneer Oil Company Inc. I acknowledge that the recovery of coal bed methane might result in waste of the commercially minable coal resources.

Signature of coal owner/lessee	Date signed *(month, day, year)*
Sandra S. Bury	8/17/2022
Name *(printed or typed)* Sandra S. Bury	

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PIONEER
OIL COMPANY, INC

August 22, 2022

Gibson County Coal, LLC
1717 S Boulder Ave Ste 400
Tulsa, OK 74119-4833

Gibson County Coal, LLC

In accordance with IC 14-37-4-8.5 (d), we the Operator, Pioneer Oil Company, Inc. are required to notify the coal lessee of our intent to drill CBM wells at the location described as: Section 33 Township 1S Range 11W in SE Quarter, in Gibson County, Indiana.

Please find a Coal Owner or Coal Lessee Consent form ST 54405 for your review and signature. If you choose to execute the consent form, please return this form to our office in the enclosed envelope.
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.

Received
AUG 22 2022
Division of Oil & Gas

Respectfully,

Brandi Stennett

Brandi Stennett
Director of Regulatory Compliance
400 Main Street
Vincennes, IN 47591
(812) 494-2809
bstennett@pioneeroil.net

COAL OWNER OR COAL LESSEE CONSENT (CBM)
(For Use When Coal is Leased)

State Form 54405 (R / 8-11) / Form A12-CL

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/LESSEE INFORMATION	
Name of coal owner/lessee Gibson County Coal, LLC		Telephone number ( ) -
Address of coal owner/lessee *(number and street or PO Box)* 1717 S Boulder Ave Ste 400		
City Tulsa	State OK	ZIP code 74119 - 4833

PART II	PROPERTY AND COAL SEAM INFORMATION		
Parcel number 26-04-33-400-000.827-027		Coal seam(s): Coal Seam V Springfield Coal	Acres 138.1526
Township 1 S	Range 11W	Land survey type Land survey number: Sec 33	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 either the ☐ owner or ☑ lessee *(select one)* 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 Pioneer Oil Company Inc. I acknowledge that the recovery of coal bed methane might result in waste of the commercially minable coal resources.

Signature of coal owner/lessee	Date signed *(month, day, year)*
Name *(printed or typed)*	

Received
AUG 16 2022
Division of Oil & Gas

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

Pioneer Oil Company, Inc. 400 Main Street Vincennes, IN 47591 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 132 feet from the N line, 522 feet from the W line, SE quarter, in Section 33, Twp. 1S, Rng. 11W, Gibson County, Indiana.

The subject well, Marvel #3, is intended to produce coal bed methane from the Springfield #5 coal seam at an approximate depth of 443 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.

Received
JUN 22 2022
Division of Oil & Gas

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

AFFIDAVIT

In accordance with IC 14-37-4-8.5(d), Pioneer Oil Company, Inc., hereby certifies that the proposed well - Marvel lease – located in Section 33, Twp. 1S, Rng. 11W, Gibson County, Indiana is intended to produce coal bed methane from the Springfield #5 Coal coal which has an average thickness of 7 feet at an approximate depth of 443 feet. The proposed well is located approximately 6 miles from Gibson South Coal Mine an existing underground coal mine operation. The owner of the coal, Mark Marvel, David Marvel & Sandra Bury, does not have experience in the underground mining of coal. The proposed well will be a verticle well drilled with a TD of 550 with longstring set approximately 6 feet above the top of the coal seam which may have an effect on the integrity of the coal seam.

Pioneer Oil Company, Inc. 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 minable coal resource or the endangerment of the health and safety of coal miners:
The North Gibson 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 minable waste of coal resources.

Received
JUN 22 2022
Division of Oil & Gas

This affidavit accompanies the notice of intent to apply for a Coal Bed Methane Well Permit.

.....

For Applicant's Name:

Pioneer Oil Company, Inc.
Print Name

Brandt Stewart Dir of Regulatory Compliance
Signature

6/6/2022
Date

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

Gibson County Coal, LLC
1717 S Boulder Ave Ste 400
Tulsa, OK 74119-4833

9590 9402 3748 8032 5385 55

2. Article Number (Transfer from ...)

7019 2970 0001 6068 2734

PS Form 3811, July 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature
x Megan Coccolo
☐ Agent
☒ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Insured Mail
☐ Insured Mail Restricted Delivery (over $500)
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Return Receipt for Merchandise
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

Domestic Return Receipt

7019 2970 0001 6068 2734

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Certified Mail Fee $3.75

Extra Services & Fees (check box, add fee as appropriate)
☐ Return Receipt (hardcopy) $0.00
☐ Return Receipt (electronic) $0.00
☐ Certified Mail Restricted Delivery $0.00
☐ Adult Signature Required $0.00
☐ Adult Signature Restricted Delivery $0.00

Postage $1.56

Total Postage and Fees $8.36

Postmark Here

VINCENNES IN 47591
JUN - 7 2022
06/07/2022
USPS

Sen
Gibson County Coal, LLC
Stre
1717 S Boulder Ave Ste 400
City,
Tulsa, OK 74119-4833

PS

Instructions

UNITED STATES POSTAL SERVICE.

VINCENNES
420 BROADWAY ST
VINCENNES, IN 47591-9998
(800)275-8777

06/07/2022 04:25 PM

Product	Qty	Unit Price	Price
First-Class Mail® Large Envelope Tulsa, OK 74119 Weight: 0 lb 2.50 oz Estimated Delivery Date Fri 06/10/2022	1		$1.56
Certified Mail® Tracking #: 70192970000160682734			$3.75
Return Receipt Tracking #: 9590 9402 3748 8032 5385 55			$3.05
Total			$8.36
Grand Total:			$8.36
Credit Card Remitted Card Name: VISA Account #: XXXXXXXXXXXX6728 Approval #: 517052 Transaction #: 593 AID: A0000000031010 AL: Visa Credit PIN: Not Required			$8.36 Chip

****
Every household in the U.S. is now eligible to receive a third set of 8 free test kits.
Go to www.covidtests.gov
****

Text your tracking number to 28777 (2USPS) to get the latest status. Standard Message and Data rates may apply. You may also visit www.usps.com USPS Tracking or call 1-800-222-1811.

Preview your Mail
Track your Packages
Sign up for FREE @
https://informeddelivery.usps.com

All sales final on stamps and postage.
Refunds for guaranteed services only.
Thank you for your business.

Tell us about your experience.
Go to: https://postalexperience.com/Pos
or scan this code with your mobile device,

or call 1-800-410-7420.

UFN: 179064-0591

Rosales, Alicia M

From: John Henderson <John.Henderson@arlp.com>
Sent: Tuesday, August 16, 2022 4:49 PM
To: Steve Link; Brandi Stennett; Rosales, Alicia M
Subject: RE: Correction on Gibson County Coal Notice 6-6-22

**** This is an EXTERNAL email. Exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email. ****

I did. I received Brandi's email from earlier this afternoon.

John

-----Original Message-----
From: Steve Link <SLink@pioneeroil.net>
Sent: Tuesday, August 16, 2022 4:32 PM
To: Brandi Stennett <BStennett@pioneeroil.net>; John Henderson <John.Henderson@arlp.com>; Rosales, Alicia M <ARosales@dnr.IN.gov>
Subject: RE: Correction on Gibson County Coal Notice 6-6-22

CAUTION: This is an email from an external sender. Use caution when clicking on links, opening attachments or responding.

John-
Did you receive this correction?

Stephen T. Link
General Counsel
Pioneer Oil Company, Inc.
400 Main St.
Vincennes, IN 47591
Phone (812) 494-2800 / Fax (812) 494-2508

E-mail Disclaimer:
The information contained in this e-mail, and in any accompanying documents, may constitute confidential and/or legally privileged information. The information is intended only for use by the designated recipient. If you are not the intended recipient (or responsible for the delivery of the message to the intended recipient), you are hereby notified that any dissemination, distribution, copying, or other use of, or taking of any action in reliance on this e-mail is strictly prohibited. If you have received this email communication in error, please notify the sender immediately and delete the message from your system.

Received
AUG 16 2022
Division of Oil & Gas

-----Original Message-----
From: Brandi Stennett <BStennett@pioneeroil.net>
Sent: Tuesday, August 16, 2022 4:05 PM
To: John.Henderson@arlp.com; Rosales, Alicia M <ARosales@dnr.IN.gov>
Cc: Steve Link <SLink@pioneeroil.net>

Subject: Correction on Gibson County Coal Notice 6-6-22
Importance: High

Mr. Henderson:

Please see the attached correction of the township and range in the cover letter and coal owner or coal lessee consent form pertaining to the Marvel #1, Marvel #2 and Marvel #3 wells. The correction is Township 1 South and Range 11 West in Gibson County, Indiana. These corrections have been made with Indiana Department of Natural Resources and will be published on the DNR website and database for public review.

Respectfully,

Brandi Stennett
Director of Regulatory Compliance

Pioneer Oil Company, Inc.
400 Main Street
P.O. Box 237
Vincennes, IN 47591
bstennett@pioneeroil.net
(812) 494-2800 Main Office
(812) 494-2809 Direct

-----Original Message-----
From: No Reply <noreply@pioneeroil.net>
Sent: Tuesday, August 16, 2022 2:42 PM
To: Brandi Stennett <BStennett@pioneeroil.net>
Subject:

TASKalfa 6053ci
[00:17:c8:88:f9:58]

Received
AUG 16 2022
Division of Oil & Gas

Rosales, Alicia M

From: John Henderson <John.Henderson@arlp.com>
Sent: Monday, August 22, 2022 10:52 AM
To: Brandi Stennett; Rosales, Alicia M
Subject: RE: Cover Letter quarter update- Pioneer Oil Company Notification

**** This is an EXTERNAL email. Exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email. ****

Thank you.

-----Original Message-----
From: Brandi Stennett <BStennett@pioneeroil.net>
Sent: Monday, August 22, 2022 10:43 AM
To: John Henderson <John.Henderson@arlp.com>; Rosales, Alicia M <ARosales@dnr.IN.gov>
Subject: RE: Cover Letter quarter update- Pioneer Oil Company Notification

CAUTION: This is an email from an external sender. Use caution when clicking on links, opening attachments or responding.

Yes, it is a replacement cover letter for the attachments sent last Tuesday. The remaining documents did not change. I have now for clarification re-attached all 10 documents to this email. Thank you for your assistance.

Respectfully,

Brandi Stennett
Director of Regulatory Compliance

Pioneer Oil Company, Inc.
400 Main Street
P.O. Box 237
Vincennes, IN 47591
bstennett@pioneeroil.net
(812) 494-2800 Main Office
(812) 494-2809 Direct

Received
AUG 22 2022
Division of Oil & Gas

-----Original Message-----
From: John Henderson <John.Henderson@arlp.com>
Sent: Monday, August 22, 2022 9:37 AM
To: Brandi Stennett <BStennett@pioneeroil.net>; Rosales, Alicia M <ARosales@dnr.IN.gov>
Subject: RE: Cover Letter quarter update- Pioneer Oil Company Notification

Brandi,

There are no attachments or enclosures to the letter you have attached. Does this also relate to the Marvel #1, #2, and #3 applications?

Thanks.

STATEMENT OF PROTECTION OF COAL FOR FUTURE UNDERGROUND MINING

In accordance with IC 14-37-4-8(d)(4), Pioneer Oil Company, Inc. declares that commercially minable coal outside of the coal bed methane production area that contains the proposed coal bed methane well, Marvel #3, is protected for future underground mining for the following reasons:

- ✓ No hydraulic fracturing will be performed on Springfield #5 coal that will be used for coal bed methane production
- ○ 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.
- ✓ The proposed well is not being drilled horizontally within the coal seam.
- ○ Other (please specify)

Pioneer Oil Company, Inc.

Brandi Stennett
Print Name

Brandi Stennett
Signature

6/6/2022
Date

Received
JUL 14 2022
Division of Oil & Gas

PIONEER
OIL COMPANY, INC

June 15, 2022

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: Marvel #1, #2 & #3; Gibson County, IN

Dear Ms. Rosales:

This letter supplements Pioneer Oil Company's Application for Coal Bed Methane Well Permit.

Our intention is to drill and complete the well as set forth in the application into the mine void and test the gas quantity and quality. The results of that testing will help inform our decisions regarding use, marketing and/or flaring of the gas encountered and prevent waste. The gas volumes and composition will help determine whether it can be sold into the pipeline, blended with our other gas to achieve pipeline quality, used in our operations, used to generate electricity, or flared. In any of these uses the mineral interest owner will be paid for the extracted gas and it is expected that monetizable credits will be earned. Thus, the current stranded gas will be commercialized, and waste prevented. We plan to configure our infrastructure near the wellhead to provide flexibility to accommodate such different uses. The separate gas streams will be monitored for rate and composition. Valves and meters will be installed to accommodate ongoing adjustment and landowner royalty and State of Indiana severance tax settlement, therefore there will be no waste of resources.

Respectfully,

Brandi Stennett

Brandi Stennett
Director of Regulatory Compliance

Received
AUG 17 2022
Division of Oil & Gas

400 Main Street, Vincennes, IN 47591
P 812-494-2800 | F 812-494-2508

PIONEER
OIL COMPANY, INC

June 15, 2022

Indiana Department of Natural Resources
Division of Oil & Gas
402 West Washington St., Room 293
Indianapolis, IN 46204

Dear Ms. Rosales,

Please find enclosed permit applications from Pioneer Oil Company, Inc. to permit CBM wells, Marvel #1, Marvel #2, & Marvel #3 which are located over an abandoned coal mine formerly operated by Gibson County Coal, LLC. We have enclosed copies of all notices supplied to the coal lessee and the green card that was signed as they were accepted in the packet of the three applications mailed together. MSHA has classified this mine as abandoned and therefore no protection of workable coal is required and presents no hazards to coalminer safety. Pioneer Oil Company has coordinated the location and construction of this proposed well to penetrate the mine void CBM only.

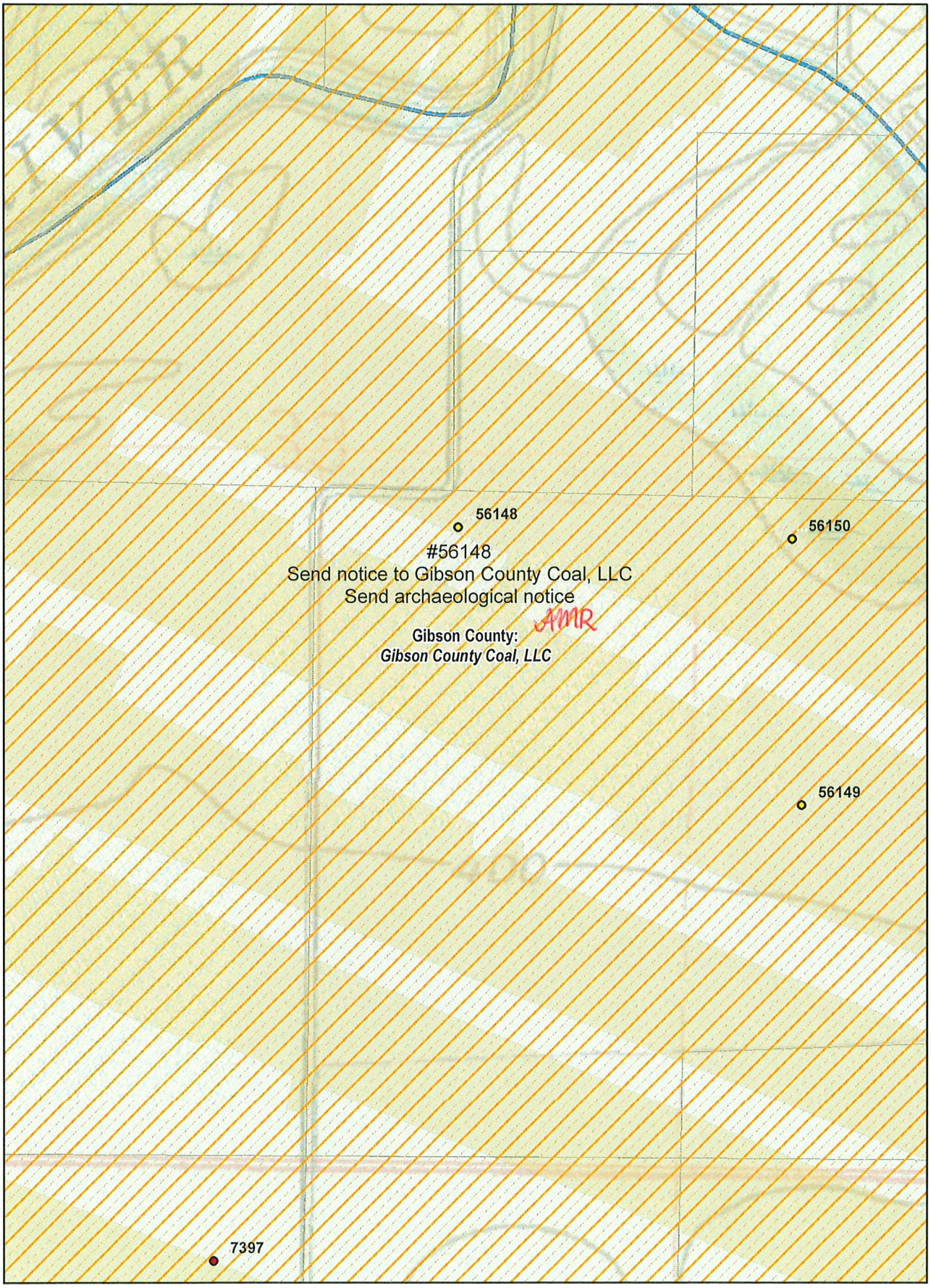
Respectfully,

Brandi Stennett

Brandi Stennett
Director of Regulatory Compliance
Pioneer Oil Company, Inc.

Received
JUN 22 2022
Division of Oil & Gas

400 Main Street, Vincennes, IN 47591
P 812-494-2800 | F 812-494-2508



1:6,000

August 18, 2022