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 west virginia department of environmental protection
 

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Office of Oil and Gas  
 601 57<sup>th</sup> Street, S.E.  
 Charleston, WV 25304  
 (304) 926-0450  
 fax: (304) 926-0452

Austin Caperton, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Thursday, March 21, 2019  
 WELL WORK PLUGGING PERMIT  
 Vertical Plugging

VIKING INTERNATIONAL RESOURCES CO. INC.  
 125 PUTNAM STREET

MARIETTA, OH 457500000

Re: Permit approval for 4  
 47-085-00764-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926- 0450.

James A. Martin  
 Chief

Operator's Well Number: 4  
 Farm Name: COYLE, JOHN - HEIRS  
 U.S. WELL NUMBER: 47-085-00764-00-00  
 Vertical Plugging  
 Date Issued: 3/21/2019

## PERMIT CONDITIONS

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

### CONDITIONS

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1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.

WW-4B  
Rev. 2/01

- 1) Date July 25, 2018
- 2) Operator's Well No. Covle #4
- 3) API Well No. 47-085-00764

**STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS**

**APPLICATION FOR A PERMIT TO PLUG AND ABANDON**

- 4) Well Type: Oil  / Gas  / Liquid injection \_\_\_ / Waste disposal \_\_\_ /  
(If "Gas, Production \_\_\_ or Underground storage \_\_\_) Deep \_\_\_ / Shallow
- 5) Location: Elevation 905 Watershed Little Kanawha  
District Murphy County Ritchie Quadrangle Harrisville
- 6) Well Operator Viking International Resources 7) Designated Agent CEC - Tim Denicola  
Address 125 Putnam Street Address 600 Marketplace Ave. Suite 2  
Marietta, Ohio 45750 Bridgeport, WV 26330
- 8) Oil and Gas Inspector to be notified Name Michael Goff  
Address 3045499823
- 9) Plugging Contractor Name Hydrocarbon Well Services, Inc.  
Address PO Box 995  
Buckhannon, WV 26201

10) Work Order: The work order for the manner of plugging this well is as follows:  
Please see attached plugging prognosis

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WV Department of  
Environmental Protection

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector Michael Goff Date 1/14/19

## PLUGGING PROGNOS

Coyle #4  
 Ritchie County, WV  
 API# 47-085-00764  
 District, Murphy

BY: K Metz  
 DATE: 1/11/19

**CURRENT STATUS:****TD @ 1927'****Elevation @ 905'**

10" casing @ 600'  
 8 1/4" casing @ 1000'  
 5 3/16" casing @ 1751'

Fresh Water @ 25'  
 Saltwater @ None reported  
 Oil Show @ None reported  
 Gas shows @ 1345', 1616', 1672' - 1680', 1912' - 1920'  
 Coal @ None reported

1. Notify inspector, Michael <sup>Goff</sup>Gogff, @ 304-549-9823, 24 hrs. prior to commencing operations.
2. **\*Note, if any casings without cement in the annulus cannot be retrieved, make sure to consult with Inspector, and to perforate all saltwater, freshwater, coal, oil & gas shows, and elevation in the well.**
3. TIH check TD @ or below 1920'
4. Pull rods and tubing, check Td of casing.
5. TIH and set cement a 645', plug from 1920' - 1275', gel back to 1000', TOO H
6. Free point 5 3/16" casing, perforate or knife gas, coal and water shows below free point, cut casing @ free point, TOO H casing.
7. TIH and set 100' cement plug @ cut, 50' in and 50' out. TOO H
8. Free point 8 1/4" casing, cut casing @ free point, TOO H casing.
9. TIH and set 100' C1A cement plug 50' in/out of casing cut. Perforate or knife all saltwater, freshwater, coal, oil and gas shows below cut. Do not omit any plugs.
10. Set 250' plug from 1050' - 800', gel back to 600', TOO H
11. Free point 10" casing, cut casing @ free point, TOO H casing.

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MAL  
 1/14/19

12. Set cement plug 50' in and 50' out, and 100' plug from 650' – 550', gel back to 225'
13. \* Note if unable to cut and pull 10" casing, TIH and perforate 10" casing with knife @ 175', 100', & 50'. TIH set C1A cement plug 225' to surface.
14. Reclaim location and road to WV-DEP specifications.
15. Erect monument with API#, date plugged

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STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

47-85-00764P  
03/22/2019

*Harrisville*

WELL RECORD

Permit No. **RIT#764**

Oil or Gas Well **Gas**

Company **Reno Oil Company**  
 Address **Sistersville, W. Va.**  
 Farm **John Coyle Heirs** Acres  
 Location (waters)  
 Well No. **4** Elev **905'**  
 District **Murphy** County **Ritchie**  
 The surface of tract is owned in fee by  
 Address  
 Mineral rights are owned by **Joseph Lee**  
 Address **Dayton, Ohio**  
 Drilling commenced **October 24th, 1939**  
 Drilling completed **November 9th, 1939**  
 Date shot Depth of shot  
 Open Flow **15** 10ths Water in Inch  
 /10ths Merc. in Inch  
 Volume **414.720** Cu. Ft.  
 Rock Pressure lbs. hrs.  
 Oil lbs. 1st 24 hrs.  
 Fresh water feet feet  
 Salt water feet feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			
13			Kind of Packer <b>anchor</b>
10	<b>600'</b>		Size of
8 1/2	<b>1000'</b>		
8			Depth set <b>1596'</b>
5 3/16	<b>1751'</b>		
2			Perf. top
2			Perf. bottom
Linears Used			Perf. top
			Perf. bottom

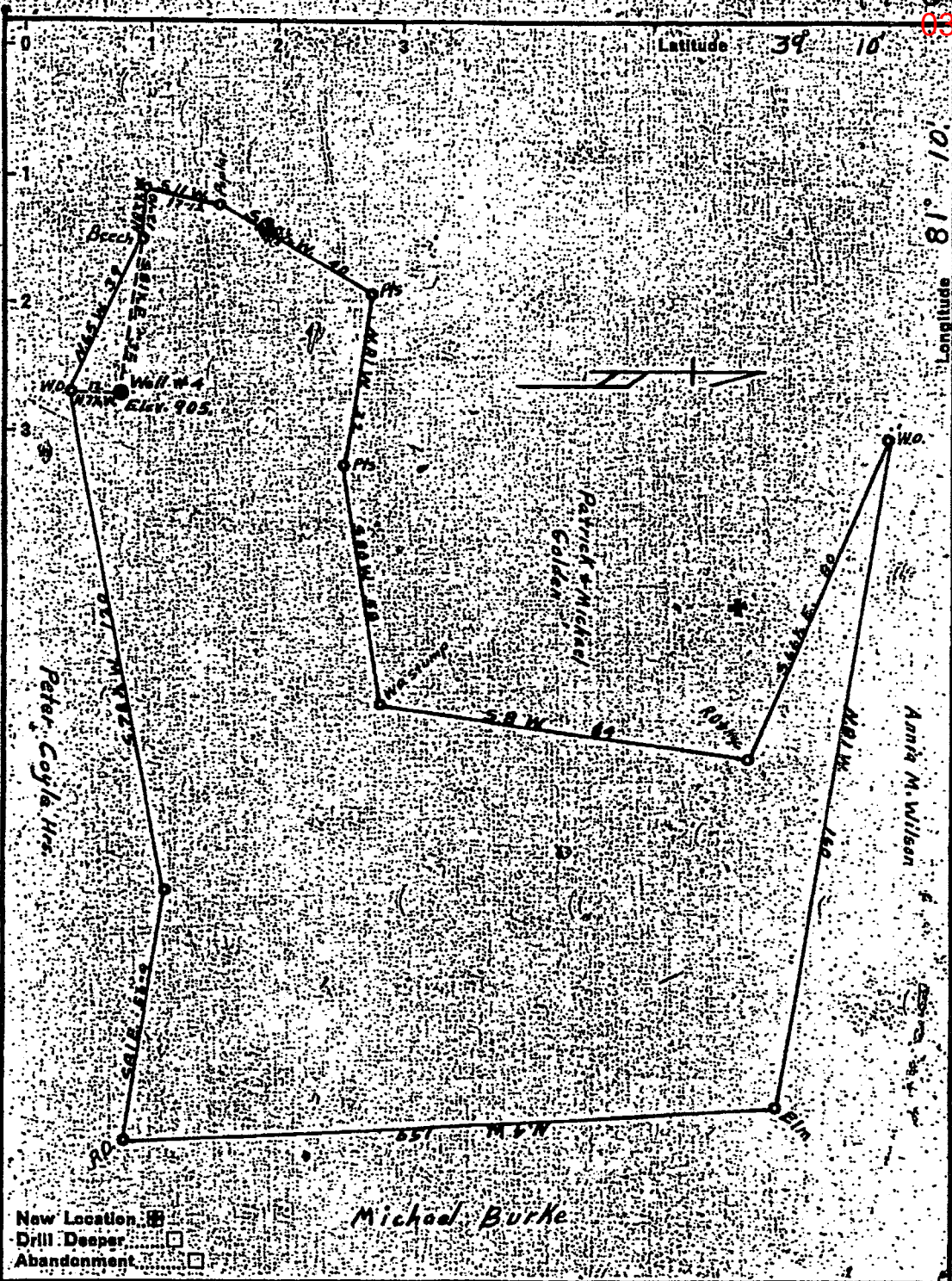
CASING CEMENTED **SIZE** No. Ft. Date  
 COAL WAS ENCOUNTERED AT **None** FEET INCHES  
 FEET INCHES FEET INCHES  
 FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil Gas or Water	Depth Found	Remarks
Clay			0	7'			
Sand			7	140'			
Red Rock			140'	160'			
Blue Rock			160'	300'			
Red Rock			300'	330'			
Blue Rock			330'	360'			
Red Rock			360'	400'			
Sand			400'	435'			
Blue Rock			435'	495'			
Sand Rock			495'	515'			
Red Rock			515'	535'			
Lime			570'	580'			
Sand Rock			580'	590'			
Blue Rock			590'	640'			
Red Rock			640'	760'			
Blue Rock			760'	810'			
Red Rock			810'	835'			
Blue Rock			835'	865'			
Red Rock			865'	910'			
Blue Rock			910'	975'			
Black Rock			975'	985'			
Sand			985'	1015'			
White Sand			1015'	1040'			
Sand Rock			1040'	1065'			
Slate Rock			1065'	1180'			
Sand Rock			1080'	1210'			
Slate Rock			1210'	1330'			
Sand - Hard			1255'	1330'	Gas	1345'	
Black Slate			1365'	1570'	Gas	1616'	
Sand			1570'	1625'			
Slate			1625'	1664'			
Maxon Sand			1664'	1746'	Gas 1672'	to 1680'	10/10 water in 2"
Big Lime			1746'	1860'			
Keener Sand			1860'	1875'			
Big Injun			1875'		Gas 1912'	to 1920'	Well tested, 1.5 water in 3"
Total Depth			1927'				



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47-083-60764P  
03/22/2019



New Location   
 Drill Deeper   
 Abandonment

Michael Burke

Company	<i>Reno Oil Co</i>
Address	<i>Sistersville, W.Va</i>
Farm	<i>John Coyle Hrs</i>
Tract	Acres <i>140</i> Lease No. _____
Well (Farm) No.	<i>Four</i> Serial No. _____
Elevation (Spirit Level)	<i>905</i>
Quadrangle	<i>Harrisville</i>
County	<i>Ritchie</i> District <i>Murphy</i>
Engineer	<i>R. H. W. Gifford</i>
Engineer's Registration No.	<i>Deputy County Surveyor</i>
File No.	Drawing No. _____
Date	<i>Oct 6, 1939</i> Scale <i>1" = 30 Poles</i>

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON

WELL LOCATION MAP  
 FILE NO. *Rit-764*

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.  
 - Denotes one inch spaces on border line of original tracing.

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47-085-00764  
03/22/2019

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

INSPECTOR'S WELL REPORT

Permit No. Ret. 764

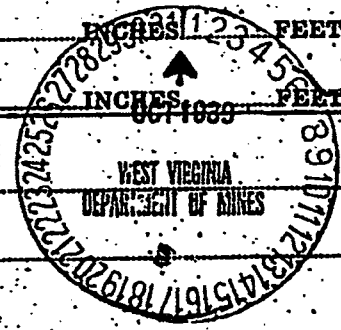
Oil or Gas Well \_\_\_\_\_  
(XXXX)

Company Reno Oil Co.  
 Address Sniderville wva  
 Farm John Boyle Hrs  
 Well No. 4  
 District Murphy County Putnam  
 Drilling commenced \_\_\_\_\_  
 Drilling completed \_\_\_\_\_ Total Depth 1070  
 Date shot \_\_\_\_\_ Depth of shot \_\_\_\_\_  
 Initial Open Flow \_\_\_\_\_ /10ths Water in \_\_\_\_\_ Inch  
 Open Flow after tubing \_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch  
 Volume Gas sand 1924 137 Cu. Ft.  
 Rock Pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.  
 Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
 Fresh water \_\_\_\_\_ feet \_\_\_\_\_ feet  
 Salt water \_\_\_\_\_ feet \_\_\_\_\_ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	600		Size of
8 3/4	1000		
6 3/4			Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. FT. \_\_\_\_\_ Date \_\_\_\_\_  
 COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

Drillers' Names Frank Crighton  
Geo Baker



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Well Abandoned and Plugged \_\_\_\_\_, 19\_\_\_\_

WV Department of Environmental Protection

REMARKS: Drilling started too soon but now have permit

Oct 26 1939  
DATE

D. J. Courtney  
DISTRICT WELL INSPECTOR



NOTICE OF PROPOSED LOCATION OF OIL AND GAS WELL  
(REQUIRED BY SECTION 2, CHAPTER 22, CODE 1931)

WEST VIRGINIA DEPARTMENT OF MINES  
OIL AND GAS SECTION

To THE DEPARTMENT OF MINES,  
Charleston, W. Va.

No coal operator

Reno Oil Company

COAL OPERATOR OR COAL OWNER

NAME OF WELL OPERATOR

Sistersville, W. Va.

ADDRESS

COMPLETE ADDRESS

October 11th 1931

COAL OPERATOR OR COAL OWNER

PROPOSED LOCATION

Murphy District

ADDRESS

Joe. A. Lee

Ritchie County

OWNER OF MINERAL RIGHTS

221 Bainbridge St., Dayton, Ohio

Well No. Four 39° 10' 81° 10' 140' all

ADDRESS

John Coyle Heirs Farm

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated

June 25th, 1920 made by John Coyle et al. to

R. G. Gillespie and recorded on the 2nd day

of July, 1920 in the office of the County Clerk for said County in

Book 44, page 81

The enclosed plat was prepared by a competent engineer and shows the proposed location of a well to be drilled for oil and gas by the undersigned well operator on the farm and in the Magisterial District and County above named, determined by survey and courses and distances from two permanent points, or land marks.

The undersigned well operator is informed and believes there are no coal operators operating beds of coal beneath said farm or tract of land on which said well is located, or within 500 feet of the boundaries of the same, who have mapped their workings and filed their maps as required by law, excepting the coal operators or coal owners (if any) above named as follows:

The above named coal operators or coal owners (if any) are notified that any objections they may desire to make to such proposed location, or which they are required to make by Section 3 of said Code, if the drilling of a well at said proposed location will cause a dangerous condition in or about their respective coal mines, must be received by, or filed with the Department of Mines within ten days from the receipt of a copy of this notice and accompanying plat by said Department. Said coal operators are further notified that forms for use in making such objections will be furnished to them by the Department of Mines promptly on request and that all such objections must set forth as definitely as is reasonably possible the ground or grounds on which such objections are based and indicate the direction and distance the proposed location should be moved to overcome same.

(The next paragraph is to be completed only in Department's copy.)

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address day before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours, RENO OIL COMPANY,

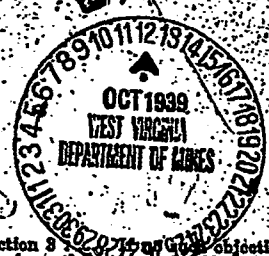
By *M. B. Taylor* ASST. Treas.

Reno Oil Company Building,

Sistersville, W. Va.

CITY OR TOWN

STATE



Address of Well Operator

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JAN 18 2019

WV Department of Environmental Protection

\*Section 3 of said Code provides that objections be filed, or be found by the department of mines, within said period of ten days from the receipt of said notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a drilling permit reciting the filing of such plat, that no objections have been made by the coal operators to the location, or found thereto by the department, and that the same is approved and the well operator authorized to proceed to drill at said location.

WW-4A  
Revised 6-07

1) Date: 07/25/2018  
2) Operator's Well Number  
Coyle, #4  
3) API Well No.: 47 - 085 - 00764

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Ecosystems Investment</u>	Name <u>None</u>
Address <u>Partners III, LLC</u>	Address _____
<u>5550 Newbury St. Suite B</u>	_____
(b) Name <u>Baltimore, MD 21209</u>	(b) Coal Owner(s) with Declaration
Address _____	Name <u>MWV Community Development &amp; Land M</u>
_____	Address <u>PO Box 4098</u>
(c) Name _____	<u>Norcross, GA 30091 or</u>
Address _____	Name _____
_____	Address <u>201 Sigma Drive, Suite 400</u>
6) Inspector <u>Michael Goff</u>	<u>Summerville, SC 29483</u>
Address _____	(c) Coal Lessee with Declaration
_____	Name <u>None</u>
Telephone <u>3045499823</u>	Address _____

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**TO THE PERSONS NAMED ABOVE:** You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.



Well Operator Viking International Resources Company, Inc.  
By: [Signature]  
Its: Manager - operations  
Address 125 Putnam Street  
Marietta, Ohio 45750  
Telephone \_\_\_\_\_

Subscribed and sworn before me this 15th day of August, 2008  
Pamela K. Nicholson Notary Public  
My Commission Expires 8/9/2020

Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at [depprivacvofficer@wv.gov](mailto:depprivacvofficer@wv.gov).

### SURFACE OWNER WAIVER

Operator's Well  
Number

Coyle 4

#### INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

**NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.**

#### WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

Chief, Office of Oil and Gas  
Department of Environmental Protection  
601 57<sup>th</sup> St. SE  
Charleston, WV 25304  
(304) 926-0450

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have **FIVE (5) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation..."

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

#### VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application For A Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON  
ETC.

FOR EXECUTION BY A CORPORATION,

_____	Date _____	Name _____	_____
Signature		By <u>Troy Anderson</u>	Date _____
		Its <u>Asst Director of operations</u>	
	5	Signature _____	Date _____

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WV Department of  
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WW-4B

API No. 47-085-00764-P  
Farm Name Coyle  
Well No. Coyle #4

**INSTRUCTIONS TO COAL OPERATORS  
OWNERS AND LESSEE**

The well operator named on the obverse side of WW-4 (B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less than five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas.

This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

NOTE: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee for plugging" prior to the issuance of this plugging permit.

**WAIVER**

The undersigned coal operator \_\_\_\_ / owner \_\_\_\_ / lessee \_\_\_\_ / of the coal under this well location has examined this proposed plugging work order. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: \_\_\_\_\_

By: \_\_\_\_\_

Its \_\_\_\_\_

**REQUEST TO COAL OWNER FOLLOWS  
COAL OWNER UNRESPONSIVE**

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WV Department of  
Environmental Protection



ENERGY LAND & MINERAL, INC.  
P.O. Box 907  
Jane Lew, WV 26378

September 25, 2018

MWV Community Development  
And Land Management LLC  
PO Box 4098  
Norcross, GA 30091-4098

Re: 136.589 acres Murphy District, Ritchie County, West Virginia

Dear Sir or Madam,

Energy Land & Mineral, Inc. ("ELM") is assisting Ecosystems Investment Partners III, LLC ("EIP") and Viking International Resources Company, Inc. ("VIRCO") to obtain a permit to plug a well located on a tract of land in Murphy District, Ritchie County, West Virginia. The well is identified as Coyle Old #2 well and was drilled many years ago.

Research indicates that MWV Community Development and Land Management, LLC ("MWV") is the owner of the coal, oil and gas for this tract. This tract is currently assessed to MWV in 2018 as:

Tax Ticket No.	22303
Account No.	07-9999-07001303
Description:	Oil & Gas 136.589 AC MACFARLAN

I enclose a copy of the tax ticket for your review. Although the assessment does not identify a coal interest, our research could not locate a severance of the coal from the other minerals and believe MWV is the owner. This is common for tracts in Ritchie County because the coal is not merchantable and no coal mining operations have historically taken place in the county.

Under West Virginia law, VIRCO is required to obtain a waiver from the coal owner before obtaining a permit to plug the well. I enclose a complete copy of the proposed

304-884-8260 (Voice)

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304-884-7752 (Fax)  
JAN 18 2019

WV Department of  
Economic Development

03/22/2019

permit as required under West Virginia law. On page 6, the Coal Owner Waiver is located. I ask that you execute the Waiver and return it in the enclosed self-addressed, self-stamped envelope.

If you have any questions about the enclosed, please feel free to contact me at (304) 838-6758 or [RobertEGifford@yahoo.com](mailto:RobertEGifford@yahoo.com). Thank you for your assistance in this matter.

Sincerely,



Robert E. Gifford

Enclosure

304-884-8260 (Voice)

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Office of Oil and Gas

JAN 18 2019

WV Department of  
Environmental Protection  
304-884-7752 (Fax)

47-085-01764P  
03/22/2019

**Ritchie Tax Receipt**

District	Type	Account	Year	Ticket	Map/Parcel	Split
07-MURPHY	Real Estate	07-9999-07001303	2018	22303	9999/07001303	
Payment Item	1st Half	2nd Half	Property Description			
Tax	12.08	12.08	OIL & GAS 136.589 AC MACFARLAN			
Discount	-0.30	-0.30				
Full Year	11.78	11.78				
Check	Paid Date	Clerk	Receipt No	Total Paid		
20372	09/04/2018	CHERRY	6922	23.56		

Received From HARDING AND CARBONE INC-HARDING AND CARBONE INC

Rate	Class	Gross Val.	Exemption	Net Val	1,090 Minerals	
.000000	3	1,090	0	1,090	Distribution of Taxes	
	Total	1,090	0	1,090	STATE CURRENT	.11
					COUNTY CURRENT	5.95
					SCHOOL CURRENT	8.24
					SCHOOL EXCESS	6.35
					LIBRARY	.70
					EMERGENCY SERVICES	2.21

MWV COMMUNITY DEVELOPMENT  
AND LAND MANAGEMENT LLC  
ACCOUNTING DEPARTMENT  
P O BOX 4098  
NORCROSS GA 30091-4098

Duplicate Receipt Printed On

Thursday, November 8, 2018 1:49 pm

Terrance M Snodgrass, Sheriff - 115 East Main Street, Room 204 Harrisville WV 26362-1271

**Ritchie Tax Receipt**

District	Type	Account	Year	Ticket	Map/Parcel	Split
07-MURPHY	Real Estate	07-9999-07001303	2018	22303	9999/07001303	
Payment Item	1st Half	2nd Half	Property Description			
Tax	12.08	12.08	OIL & GAS 136.589 AC MACFARLAN			
Discount	-0.30	-0.30				
Full Year	11.78	11.78				
Check	Paid Date	Clerk	Receipt No	Total Paid		
20372	09/04/2018	CHERRY	6922	23.56		

Received From HARDING AND CARBONE INC-HARDING AND CARBONE INC

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					COUNTY CURRENT	5.95
					SCHOOL CURRENT	8.24
					SCHOOL EXCESS	6.35
					LIBRARY	.70
					EMERGENCY SERVICES	2.21

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Office of Oil and Gas

JAN 18 2019

WV Department of  
Environmental Protection

WW-9  
(5/16)

API Number 47 085 - 00764  
Operator's Well No. Coyle #4

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS  
FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Viking International Resources Company, Inc. OP Code \_\_\_\_\_

Watershed (HUC 10) Little Kanawha Quadrangle Harrisville

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes  No

Will a pit be used? Yes  No

If so, please describe anticipated pit waste: \_\_\_\_\_

Will a synthetic liner be used in the pit? Yes  No  If so, what ml? \_\_\_\_\_

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection ( UIC Permit Number \_\_\_\_\_ )
- Reuse (at API Number \_\_\_\_\_ )
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain \_\_\_\_\_ )

Will closed loop system be used? If so, describe: n/a

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. n/a

-If oil based, what type? Synthetic, petroleum, etc. n/a

Additives to be used in drilling medium? n/a

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. n/a

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) \_\_\_\_\_

-Landfill or offsite name/permit number? \_\_\_\_\_

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature Mike Horan

Company Official (Typed Name) Mike Horan

Company Official Title Manager - Operations

Subscribed and sworn before me this 15<sup>th</sup> day of August, 20 18

Hermela K. Nicholson

My commission expires 8-9-2020



Notary Public  
Hermela K. Nicholson, Notary Public  
in and For The State of Ohio  
My Commission Expires 8-9-20

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JAN 18 2019



Form WW-9

Operator's Well No. Coyle #4  
Morris 1-B

Proposed Revegetation Treatment: Acres Disturbed less than 5 Prevegetation pH unknown

Lime 2-3 Tons/acre or to correct to pH \_\_\_\_\_

Fertilizer type 10-20-20 or equivalent

Fertilizer amount 500 lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Fescue	40	Fescue	40
Landino Clover	5	Landino Clover	5

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Michael Gaff

Comments: Proceed + mulch any disturbed areas

Title: Oil & Gas Inspector Date: 1/24/09

Field Reviewed?  Yes  No

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Office of Oil and Gas

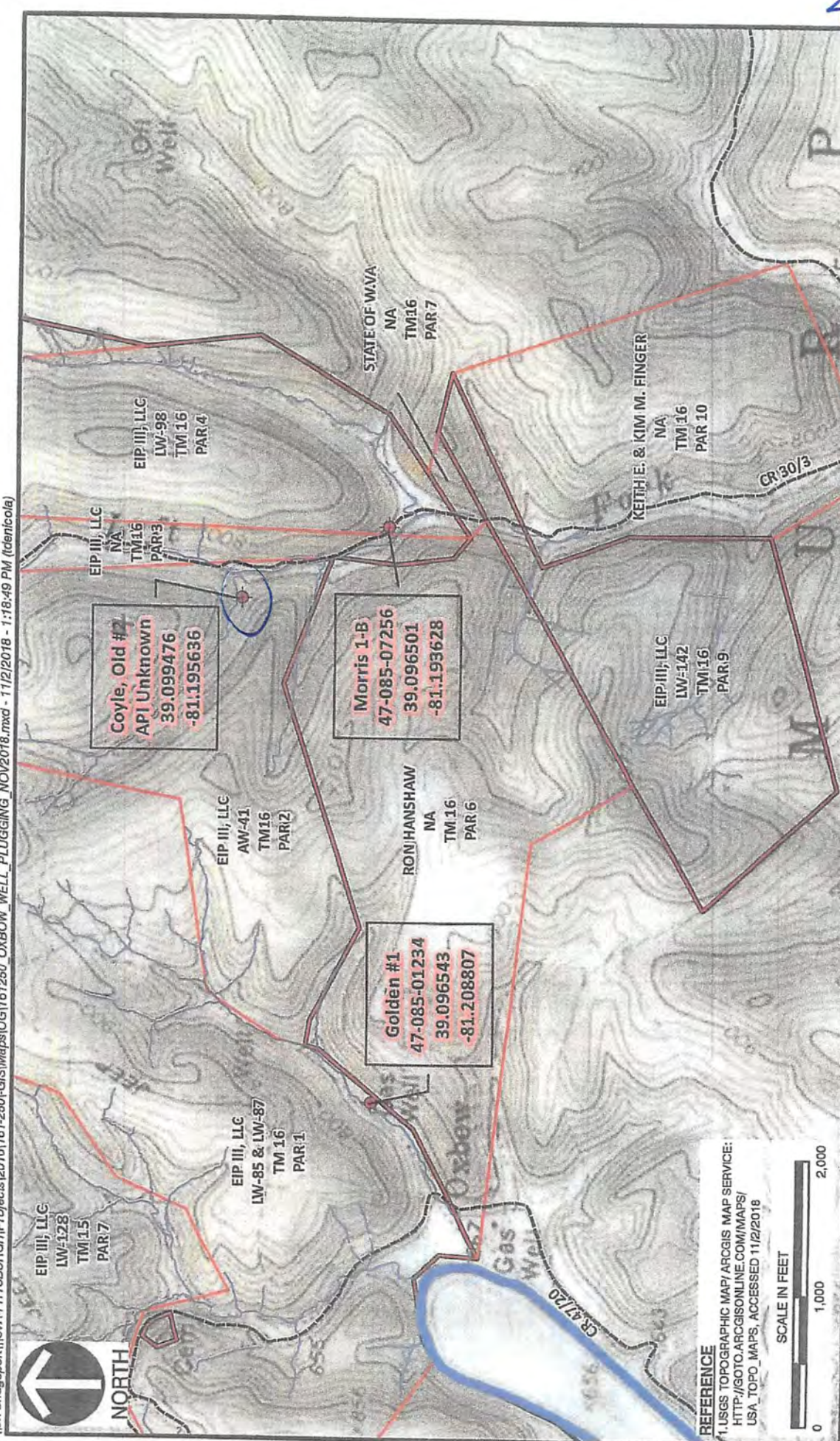
JAN 18 2019

WV Department of  
Environmental Protection

47-085-00764F

03/22/2019

\\svr-brfcgpcport1\SVR-PITTSBURGH\Projects\2016\161-250-GIS\Maps\OGI\161250\_OXBOW\_WELL\_PLUGGING\_NOV2018.mxd - 11/2/2018 - 1:18:49 PM (tdenticola)



**Civil & Environmental Consultants, Inc.**  
 600 Marketplace Avenue, Suite 200 - Bridgeport, WV 26330-9121  
 Ph: 304-933-3119 • Toll: 855-488-9539 • Fax: 304-933-3327  
 www.cecinc.com

EIP III CREDIT CO., LLC  
 OXBOW MITIGATION BANK  
 RITCHIE COUNTY, WEST VIRGINIA

WELL PLUGGING

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 Office of Oil and Gas

NOV 18 2019

Department of Environmental Protection

**LEGEND**

- WELLS (TO BE PLUGGED)
- COUNTY ROUTE (UNIMPROVED)
- STREAMS
- SOUTH FORK HUGHES RIVER
- PROPERTY OWNERS
- PROJECT BOUNDARY

**REFERENCE**  
 1. USGS TOPOGRAPHIC MAP/ARC GIS MAP SERVICE:  
 HTTP://GOTO.ARCGISONLINE.COM/MAPS/  
 USA\_TOPO\_MAPS, ACCESSED 11/2/2018



DRAWN BY:	TAD	CHECKED BY:	MKD	APPROVED BY:	NSO	FIGURE NO.:	-
DATE:	11/02/2018	SCALE:	1" = 1,000'	PROJECT NO.:	161-250.020		

MAG  
 11/1/18

WW-7  
8-30-06



West Virginia Department of Environmental Protection  
Office of Oil and Gas  
WELL LOCATION FORM: GPS

API: ~~47085~~ 47-085-00764 WELL NO.: Coyle #4

FARM NAME: Coyle

RESPONSIBLE PARTY NAME: Viking International Resources Company, Inc.

COUNTY: Ritchie DISTRICT: Murphy

QUADRANGLE: Harrisville

SURFACE OWNER: Ecosystems Investment Partners III, LLC

ROYALTY OWNER: MWV Community Development & Land Management

UTM GPS NORTHING: 4327833.85

UTM GPS EASTING: 483083.28 GPS ELEVATION: 905'

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:  
Survey grade GPS : Post Processed Differential   
Real-Time Differential   
Mapping Grade GPS : Post Processed Differential   
Real-Time Differential

4. Letter size copy of the topography map showing the well location.  
I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

Signature [Signature] Title Manager-Operations Date 3/15/19

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JAN 18 2019  
WV Department of  
Environmental Protection

MAG  
1/18/19