



west virginia department of environmental protection

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

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Tuesday, December 28, 2021
WELL WORK PLUGGING PERMIT
Vertical Plugging

DIVERSIFIED PRODUCTION LLC
414 SUMMERS STREET
CHARLESTON, WV 25301

Re: Permit approval for 47
47-019-01000

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.

A blue ink signature of James A. Martin, Chief, is written over the text of his name and title.

James A. Martin
Chief

Operator's Well Number: 47
Farm Name: NEW RIVER
U.S. WELL NUMBER: 47-019-01000
Vertical Plugging
Date Issued: 12/28/2021

Promoting a healthy environment.

12/31/2021

I

4701901000P

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

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.

12/31/2021

1) Date December 15, 2021
2) Operator's
Well No. 47
3) API Well No. 47-019 - 01000

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 X / Liquid injection ___ / Waste disposal ___ /
(If "Gas, Production X or Underground storage ___) Deep ___ / Shallow X

5) Location: Elevation 1840.07 feet Watershed Toney Fork
District Plateau County Fayette Quadrangle Oak Hill

6) Well Operator Diversified Production, LLC 7) Designated Agent Jeff Mast
Address 414 Summers Street Address 31 Hickory Drive
Charleston, WV 25301 Barboursville, WV 25504

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Gary Kennedy Name Diversified Production, LLC (in-house rig)
Address 66 Old Church Lane Address 1951 Pleasantview Ridge Road
Pipestem, WV 25979 Ravenswood, WV 26164

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

RECEIVED
Office of Oil and Gas
DEC 22 2021
WV Department of
Environmental Protection

See Attached

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

Work order approved by inspector  Date 12/17/21

12/31/2021

Plugging Prognosis

API #: 4701901000

West Virginia, Fayette Co.

Lat/Long:

Nearest ER: Raleigh General Emergency Room - 1710 Harper Rd, Beckley, WV 25801

Casing Schedule:

13-3/8" @ 20'

9-5/8" @ 590' (cemented to surface w/ 177 sx cmt)

7" @ 842' (cemented to surface w/ 125 sx cmt)

4-1/2" @ 1,614' (cemented to 1,030' w/ 42 sx cmt)

TD @ 1,614'

Completion - Ravenciff: 1,381' – 1,474'

Fresh Water: 200'; 530'

Salt Water: 2,530'

Gas Shows: None listed

Oil Shows: None listed

Coal: 530' (Possible Void)

Elevation: 1,844'

RECEIVED
Office of Oil and Gas

DEC 22 2021

WV Department of
Environmental Protection

1. Notify Inspector Gary Kennedy @ 304-382-8402, 48 hrs prior to commencing operations.
2. Check and record pressures on csg/tbg.
3. Check TD w/ wireline.
4. Run in to depth @ 1,474'. Kill well as needed with 6% bentonite gel and fill rat hole with gel.
Pump at least 10 bbls gel. Pump 193' C1A cement plug from 1,474' to 1,281' (Ravenciff
Completion) Tag TOC. Top off as needed.
5. TOOH w/ tbg to 1,281'. Pump 6% bentonite gel from 1,281' to 1,030'.
6. Free point 4-1/2" csg. Cut and TOOH. Set 100' C1A cement plug across csg cut. 50' in/out of cut.
Pump 6% bentonite gel from top of plug to 892' **Do not omit any plugs listed below. Perforate as
needed.**
7. TOOH w/ tbg to 892'. Pump 100' C1A cement plug from 892' to 792'. (7" csg shoe depth).
8. TOOH w/ tbg to 792'. Pump 6% bentonite gel from 792' to 640'.
9. TOOH w/ tbg to 640'. Pump 160' C1A cement plug from 640' to 480'. (9-5/8" csg shoe depth,
freshwater show, coal show).
10. TOOH w/ tbg to 480'. Pump 6% bentonite gel from 480' to 250'.
11. TOOH w/ tbg to 250'. Pump 100' C1A cement plug from 250' to surface. (Freshwater show and
Surface plug)
12. Reclaim location and well road to WV DEP specifications and erect P&A well monument.

12/31/2021

4701901000P

WR-35
Rev (5-01)

DATE: 2/28/2005
API #: 47-1901000

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas

RECEIVED
Office of Oil and Gas
DEC 22 2021
WV Department of
Environmental Protection

Well Operator's Report of Well Work

Farm name: NEW RIVER

Operator Well No.: 47

LOCATION: Elevation: GL 1844' DF 1850'

Quadrangle: OAK HILL 7.5'

District: PLATEAU County: FAYETTE
Latitude: 5800 Feet South of 38 Deg. 00 Min. 00 Sec.
Longitude: 10.210 Feet West of 81 Deg. 10 Min. 00 Sec.

Company:
ENERGY SEARCH, INC.

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: <u>88 PRODUCTS LANE</u>	<u>13 3/8"</u>	<u>20'</u>	<u>20'</u>	
<u>MARIETTA, OH 45750</u>	<u>9 5/8"</u>	<u>590'</u>	<u>590'</u>	<u>177 sks</u>
Agent: <u>MIKE McCOWN</u>	<u>7"</u>	<u>842'</u>	<u>842'</u>	<u>125 sks</u>
Inspector: <u>RICK CAMPBELL</u>	<u>4 1/2"</u>	<u>1614'</u>	<u>1614'</u>	<u>42 sks</u>
Date Permit Issued: <u>2/5/2004</u>				
Date Well Work Commenced: <u>2/10/2004</u>				
Date Well Work Completed: <u>2/15/2004</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig				
Total Depth (feet): <u>2965'</u>				
Fresh Water Depth (ft.): <u>200'- 2" stream; 530'- 3" stream</u>				
Salt Water Depth (ft.): <u>2530' - 1.25" stream</u>				
Is coal being mined in area (N/Y)? <u>No</u>				
Coal Depths (ft.): <u>530ft - open mine</u>				

OPEN FLOW DATA

Producing formation Ravenclyff Pay zone depth (ft) 1381-1474
Gas: Initial open flow 48 MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 42 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 195 psig (surface pressure) after _____ Hours

Decision made to abandon well. Well is to be plugged.

Second producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

Signed: _____
By: Paul C. Henson
Date: 2/28/2005

RECEIVED
Office of Oil and Gas

DEC 22 2021

WV Department of
Environmental Protection

RECEIVED
Office of Oil & Gas
Office of Chief
MAR 04 2005
WV Department of
Environmental Protection

12/31/2021

Operations:

2/15/2004 – MIRU BJ Services and loaded hole with 6% gel fluid. Pulled drill pipe up to the top of the Weir , set cement plug from 2560' to 2460' (6' KB) – (100' plug). Pulled drill pipe up to 2154' (6" KB) to the Top of the Big Lime and set 2nd cement plug from 2154' to 2054'.

2/27/2004 – Ran 4.5" casing – set @ 1614'

3/2/2004 - Perforated Ravencliff – 1381, 1385, 1412-1414 – 3 shots (1SPF); 1450-1454 – 9 shots (2SPF); 1466-1474 – 17 shots (2SPF)

3/3/2004 – Performed 75 Quality N2 Foam Frac on Ravencliff. Total N2 520,000scf; 50,340# of 20/40 sand; 365 Bbl of Fluid: ATP 2057; AIR 18.5 BPM; ISIP 1418: 5min – 1192; 10min – 1147

After Frac gas rate @ 42mcf/day

Decision made to abandon well. Well to be plugged.

Formations: from (KB 1850')

Pride "Hot" Shale	1348 – 1358
Ravencliff	1377 – 1490
Little Lime	2054 – 2124
Pencil Cave	2124 – 2158
Big Lime	2158 – 2524
Weir	2625 – 2714
Weir 2	2759 – 2765
DTD	2965



RECEIVED
DEC 22 2021
WV Department of
Environmental Protection

RECEIVED
Office of Oil and Gas

DEC 22 2021

WV Department of
Environmental Protection

4701901000P

WW-4A
Revised 6-07

1) Date: December 15, 2021

2) Operator's Well Number
47

3) API Well No.: 47 - 019 - 01000

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

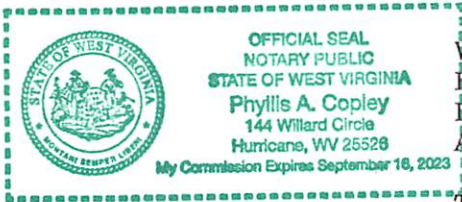
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Oakhill Forestlands NMT LLC</u>	Name <u>None</u>
Address <u>6688 Nolensville, Road, Suite 108</u>	Address _____
<u>Brentwood, TN 37027</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Beaver Coal Company Limited</u>
_____	Address <u>354 Log Cabin Road</u>
_____	<u>Beaver, WV 25813</u>
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Gary Kennedy</u>	(c) Coal Lessee with Declaration
Address <u>66 Old Church Road</u>	Name <u>James C. Justice Companies</u>
<u>Pipestem, WV 25979</u>	Address <u>818 N. Eisenhower Drive</u>
Telephone <u>304-382-8402</u>	<u>Beckley, WV 25801-3112</u>

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 Diversified Production, LLC
 By: [Signature] Jeff Mast
 Title: Director Production
 Address 414 Summers Street
Charleston, WV 25301
 Telephone 304-543-6988

Subscribed and sworn before me this 15th day of December, 2021
Phyllis A. Copley Notary Public
 My Commission Expires September 16, 2023

RECEIVED
Office of Oil and Gas

DEC 16 2021

WV Department of
Environmental Protection

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 depprivacyoffier@wv.gov.

12/31/2021

4701901000 P

47
47-019-01000P

7020 2450 0001 5225 2706

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

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

Beckley, WV 25801

OFFICIAL USE

Certified Mail Fee	\$3.75
Extra Services & Fees (check box, add fee as appropriate)	\$7.05
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$1.56
Total Postage and Fees	\$8.36

Postmark Here: 0523 03

Date: 12/15/2021

Sent To: **Well 47**
James C. Justice Companies
818 N. Eisenhower Drive
Beckley, WV 25801-3112

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7020 2450 0001 5225 2775

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

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

Beaver, WV 25813

OFFICIAL USE

Certified Mail Fee	\$3.75
Extra Services & Fees (check box, add fee as appropriate)	\$7.05
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$1.56
Total Postage and Fees	\$8.36

Postmark Here: 0523 03

Date: 12/15/2021

Sent To: **Well 47**
Beaver Coal Limited
354 Log Cabin Rd
Beaver WV 25813

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7020 2450 0001 5225 2690

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

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

Brentwood, TN 37027

OFFICIAL USE

Certified Mail Fee	\$3.75
Extra Services & Fees (check box, add fee as appropriate)	\$7.05
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$1.56
Total Postage and Fees	\$8.36

Postmark Here: 0523 03

Date: 12/15/2021

Sent To: **Well 47**
Oakhill Forestlands NMT LLC
6688 Nolensville Road, Suite 108
Brentwood, TN 37027

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

RECEIVED
Office of Oil and Gas
DEC 16 2021
WV Department of
Environmental Protection

12/31/2021

WW-9
(5/16)

API Number 47 - 019 - 01000
Operator's Well No. 47

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

Operator Name Diversified Production, LLC OP Code 494524121

Watershed (HUC 10) Toney Fork Quadrangle Oak Hill

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: Produced fluid and cement returns

Will a synthetic liner be used in the pit? Yes No If so, what ml.? 20

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection (UIC Permit Number Twin Branch 47471511)
- 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) N/A

-Landfill or offsite name/permit number? N/A

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.

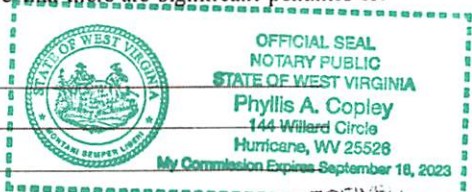
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations 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 [Signature]

Company Official (Typed Name) Jeff Mast

Company Official Title Director Production



Subscribed and sworn before me this 15th day of December, 2021

Phyllis A. Copley Notary Public

My commission expires September 16, 2023

REG-111
Office of Oil and Gas
DEC 16 2021
WV Dept. of Environmental Protection

Proposed Revegetation Treatment: Acres Disturbed 1 +/- Prevegetation pH _____

Lime 3 Tons/acre or to correct to pH 6.05

Fertilizer type _____ 10-20-20 or equivalent

Fertilizer amount _____ lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary	
Seed Type	lbs/acre
Red Fescue	40
Alsike	5
Annual Rye	15

Permanent	
Seed Type	lbs/acre
Red Fescue	15
Alsike Clover	

RECEIVED
Office of Oil and Gas
15 DEC 22 2021
WV Department of
Environmental Protection

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: [Signature]

Comments: _____

Title: Inspector

Date: 12/17/21

Field Reviewed? () Yes () No

RECEIVED
Office of Oil and Gas
DEC 22 2021
WV Department of
Environmental Protection



Diversified Gas & Oil
Corporation
100 Diversified Way
Pikeville KY, 41051

47-019-01000

Plugging Map

Legend

- Well
- Access Road
- ▨ Pits
- Pad
- Public Roads

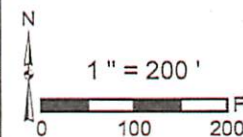
1516

Well No.: 47-019-01000
UTM83-17, Meters
North: 482277.12
East: 4204093.98
Elev.: 561 M
Elev.: 1840.07 Ft

1 Pit
10'W
20'L
8'D

285 bbl

DRIVEWAY



4701901000P

4701901000P

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-019-01000 WELL NO.: 47

FARM NAME: New River

RESPONSIBLE PARTY NAME: Diversified Production LLC

COUNTY: Fayette DISTRICT: Plateau

QUADRANGLE: Oak Hill

SURFACE OWNER: Oak Hill Forestlands NMTC LLC

ROYALTY OWNER: Wm. Nunley et al

UTM GPS NORTHING: 4204093.98

UTM GPS EASTING: 482277.12 GPS ELEVATION: 1840.07

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

Director Production 12/14/21
Title Date

RECEIVED
Office of Oil and Gas

DEC 16 2021

WV Department of
Environmental Protection

12/31/2021



Stansberry, Wade A <wade.a.stansberry@wv.gov>

Plugging Vertical Well Work Permit Diversified API: (47-019-00658 & 47-019-01000)

1 message

Stansberry, Wade A <wade.a.stansberry@wv.gov>

Tue, Dec 28, 2021 at 1:21 PM

To: "Mast, Jeff" <jmast@dgoc.com>, Eddie Young <eyoung1@assessor.state.wv.us>, "Kennedy, Gary L" <gary.l.kennedy@wv.gov>




I have attached a copy of the newly issued well [permit](#) numbers:

47-019-00658 - 8-A**47-019-01000 - 47**

These will serve as your copy.

Thank you,

Wade A. Stansberry**Environmental Resource Specialist 3****West Virginia Department of Environmental Protection****Office of Oil & Gas****601 57th St. SE****Charleston, WV 25304****(304) 926-0499 ext. 41115****(304) 926-0452 fax****Wade.A.Stansberry@wv.gov**

4 attachments **47-019-00658 - Copy.pdf**
2874K **47-019-01000 - Copy.pdf**
2958K **IR-8 Blank.pdf**
200K **IR-8 Blank.pdf**
200K**12/31/2021**