



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, August 10, 2021
WELL WORK PLUGGING PERMIT
Vertical Plugging

DIVERSIFIED PRODUCTION LLC
101 MCQUISTON DRIVE
JACKSON CENTER, PA 16133

Re: Permit approval for 6112
47-043-02044-00-00

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: 6112
Farm Name: EDGNOR, J. M.
U.S. WELL NUMBER: 47-043-02044-00-00
Vertical Plugging
Date Issued: 8/10/2021

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.
4. This well is under a consent order and must be plugged within two years of the date of issuance of this permit.

47-043-02044P

- 1) Date July 19, 2021
- 2) Operator's Well No. 6112
- 3) API Well No. 47-043-02044

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 868 ft Watershed Sand Fork
District Union County Lincoln Quadrangle Griffithsville

6) Well Operator Diversified Production LLC 7) Designated Agent Jeff Mast
Address P.O. Box 6070 Address P.O. Box 6070
Charleston, WV 25362 Charleston, WV 25362

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Terry Urban Name Diversified Production LLC (In-house Rig)
Address P.O. Box 1207 Address 1951 Pleasantview Ridge Road
Clendenin, WV 25045 Ravenswood, WV 26164

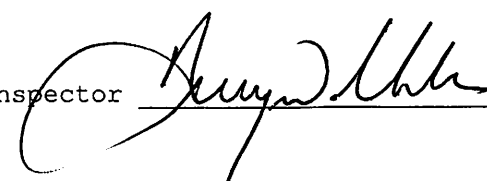
10) Work Order: The work order for the manner of plugging this well is as follows:

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See Attached

Operator to pull all free pipe, Cover with Cement
All OIL & GAS Formations, Including Elevator, Salt, Freshwater
Coal Formations

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

Work order approved by inspector  Date 7-26-21
08/13/2021

PLUGGING PROGNOSIS

API# 47-043-02044

West Virginia, Lincoln County

38.20239295255661, -81.9864864989317

Nearest ER: Thomas Memorial Hospital, 4605 MacCorkle Ave SW, South Charleston, WV 25309

Casing Schedule

10" csg @ 27'

6 5/8" csg @ 1802'

3 1/2" tbg @ 2391' 3" x 6 5/8" Anchor Packer set at 2000'

TD 2391'

Completion: Shot**Fresh Water:** 294', 415'**Salt Water:** None Recorded**Gas Shows:** Big Lime 1744'-1747', Berea 2306'-2328'**Oil Show:** Berea 2322'-2326'**Coal:** 205'**Elevation:** 955'RECEIVED
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1. Notify Inspector Terry Urban @ 304-549-5915, 48 hours prior to commencing operations.
2. Check and record pressures on csg/tbg.
3. Check TD w/ wireline.
4. Try to pull 3 1/2" csg. If attempt fails RIH w/ gun. Perf 3 1/2" tbg @ 2328', 2276', 2226', 2176', 2126', 2076', 2026', and 1995'.
5. TIH w/ tbg to 2328'. Kill well as needed with 6% bentonite gel. Pump 378' C1A cement plug from **2328'-1950' (Berea gas/oil show)**. Tag TOC. Top off as needed.
6. TOOH w/ tbg to 1950'. Pump 6% bentonite gel from 1950'-1852'. TOOH LD tbg.
7. Free Point, cut, and pull 3 1/2" tbg.
8. TIH w/ tbg to 1852'. Pump 208' C1A cement plug from **1852'-1644' (6 5/8" csg st & Lime gas show)**.
9. TOOH w/ tbg to 1644'. Pump 6% bentonite gel from 1644'-955'. TOOH LD tbg.
10. Free point 6 5/8" csg. Cut and TOOH. Set 100' C1A cement plug across csg cut. 50' in/out of cut. Do not omit any plugs listed below. Perforate as needed.
11. TIH w/ tbg to 955'. Pump 100' C1A cement plug from **955'-855' (Elevation)**.
12. TOOH w/ tbg to 855'. Pump 6% bentonite gel from 855'-465'.
13. TOOH w/ tbg to 465'. Pump 310' C1A cement plug from **465'-155' (Fresh Water and coal)**.
14. TOOH w/ tbg to 155'. Pump 6% bentonite gel from 155'-100'.
15. TOOH w/ tbg to 100'. Pump 100' C1A cement plug from **100'-0' (Surface)**. TOOH LD tbg.
16. Erect monument with API#, date plugged, and company name.
17. Reclaim location and road to WV-DEP specifications.

Aug 13 2021
See previous ww-4B
7/28/21

08/13/2021

FORM H-27 #6112

HUNTINGTON DEVELOPMENT & GAS CO. 043-2044P

Serial Well No. 292

Lease No. H.D. & G. Co Mineral Map Square 42-49

RECORD OF WELL No. 292 H.D. & G. Co. J.M. Egnor Farm of in Union Lincoln, Branchland, Field, State of W. Va.	on the Surface Acres District County Field, State of W. Va.	CANTING AND TUBING			TEST BEFORE SHOT		
	Itg Commenced 192 Itg Completed 192 Drilling Commenced June 16 th, 1926 Drilling Completed August 13 th, 1926 Drilling to cost \$1.85 per foot Contractor is: Roy & McComas Address: Huntington, W. Va. Driller's Names B. McComas Paul Smith Homer Carpenter Ed Skeins	SIZE 10 13 10 8 3/4 6 3/4 4 3 2	USED IN DRILLING 27' 1" 278' Pulled 1861' 11" 2390' 8"	LEFT IN WELL 27' 1" 1861' 11" 2390' 8"	14 of Water in 8 inch 10 hrs of Merc. in inch 10 hrs Volume Cu. ft. TEST AFTER SHOT 22 of Water in 2 inch 10 hrs of Merc. in inch 10 hrs Volume Cu. ft. Rock Pressure 195# Date Shot Aug. 5th, 1926 Size of Torpedo 40 qts. Oil Flowed bbls. 1st 24 hrs. Oil Pumped bbls. 1st 24 hrs.		
		SHUT IN Date Aug. 13 th, 1926 3 in Tubing Size of Packer 3 1/2 x 5/8 x 16" Kind of Packer O.W.S. Anchor 1st Perf. Not on Bottom 2nd Perf. Not 31' 6" Bottom hole to Bottom			Well abandoned and Plugged 10' Long 10' 5" Long 2nd Perf. 20' Long.		

DRILLER'S RECORD

Formation	Top	Bottom	Thickness	Remarks
Surface	0	20'	20'	Berea 2506' 2328' 228'
Sand and Slate	20'	205'	185'	Slate & Shell 2328' 2378' 50'
Coal	205'	207'	2'	Total Depth 2378'
Lime Shells	207'	215'	8'	
Slate and Sand	215'	530'	315'	3" x 5/8 x 16" O.W.S. Anchor Packer set 391' 3" from Bottom
Lime Shells	530'	540'	10'	
Sand and Slate	540'	655'	115'	
Shells and Slate	655'	705'	50'	
Sand	705'	712'	7'	Producing Gas from 1744' - 1747' 2/10 W. Thru 2"
Lime Shells	712'	720'	8'	
Sand	720'	740'	10'	
Slate and Shells	740'	910'	170'	
Lime Shells	910'	935'	25'	Berea
Sand & Slate	935'	955'	20'	12/10 Water in 2" Opening
Salt Sand	955'	1140'	185'	Small show oil 2322' - 2326'
Slate and Sand	1140'	1400'	260'	
Slate and Shells	1400'	1460'	60'	
Maxton Sand	1460'	1540'	80'	
Slate	1540'	1578'	38'	
Little Lime	1578'	1610'	32'	72 hr. Rock Pressure on
Pencil Cave	1610'	1617'	7'	3" tubing 195 lbs.
Big Lime	1617'	1812'	195'	on 6-5/8" casing 149 "
Hard Shell	1812'	1817'	5'	
Big Injun	1817'	1855'	38'	
Slate	1855'	1955'	100'	
Hard Shell	1955'	2024'	69'	
Slate	2024'	2295'	271'	
Brown Shale	2295'	2306'	11'	

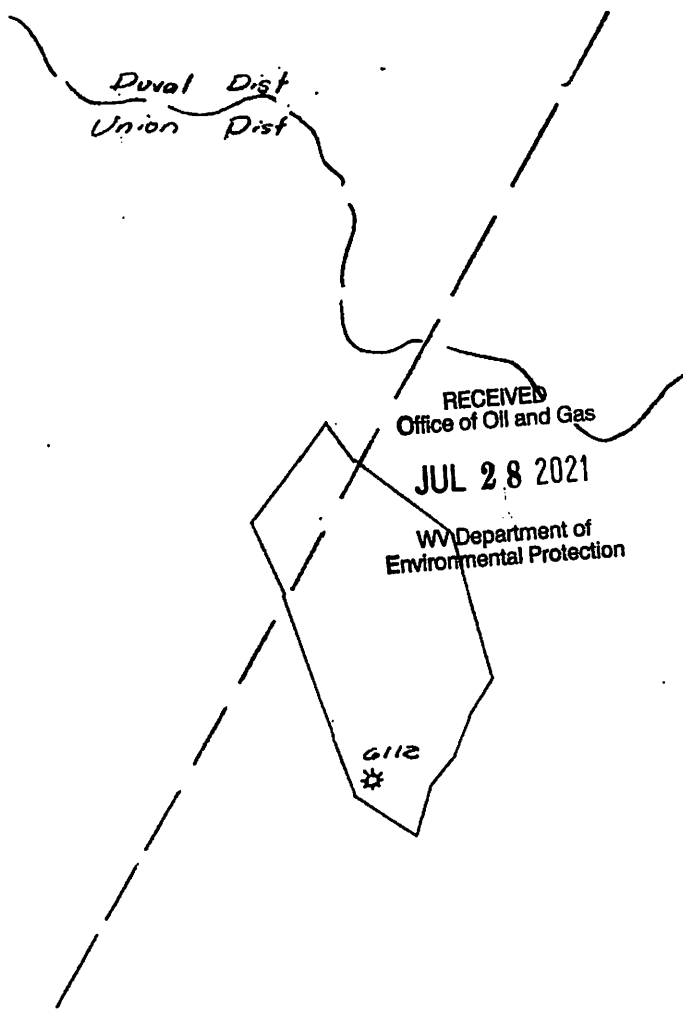
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08/13/2021

COMPANY COLUMBIA GAS TRANSMISSION CORPORATION
FARM Gordon Fletcher WELL NO. 6112
DISTRICT Union COUNTY Lincoln STATE W Va.
SCALE: 1" = 1320'

Latitude $38^{\circ}12'13''$
Longitude $81^{\circ}59'12''$

043-2044



47-043-02044P

WW-4A
Revised 6-07

1) Date: July 19, 2021
2) Operator's Well Number
6112
3) API Well No.: 47 - 043 - 02044

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>Bruce A. Cooper & Rexal D. Cooper</u>	Name <u>None</u>
Address <u>615 Sugartree Road</u> <u>Griffithsville, WV 25521</u>	Address _____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Southern Regional Development</u>
(c) Name _____	Address <u>3 Commercial Drive</u> <u>Norfolk, VA 23510</u>
Address _____	Name _____
Address _____	Address _____
6) Inspector <u>Terry Urban</u>	(c) Coal Lessee with Declaration <u>None</u>
Address <u>P.O. Box 1207</u>	Name <u>No Declaration</u>
<u>Clendenin, WV 25045</u>	Address _____
Telephone <u>304-549-5915</u>	

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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 Diversified Production, LLC
 By: [Signature] Jeff Mast
 Its: Director Production
 Address P.O. Box 6070
Charleston, WV 25362
 Telephone 304-543-6988

Subscribed and sworn before me this 20th day of July 2021
Phyllis A. Copley Notary Public
 My Commission Expires September 16, 2023

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 depprivacyofficer@wv.gov.

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47-043-02044 P

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<input type="checkbox"/> Certified Mail Restricted Delivery	\$ _____
<input type="checkbox"/> Adult Signature Required	\$ _____
<input type="checkbox"/> Adult Signature Restricted Delivery	\$ _____

Postage \$ _____

Total Postage and Fees \$ 806112

Sent To Southern Region Industrial
 Street and Apt. No., or PO Box No. 3 Commercial Place
 City, State, ZIP Norfolk, VA 23510

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



7019 1640 0000 1003 3681

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<input type="checkbox"/> Return Receipt (electronic)	\$ _____
<input type="checkbox"/> Certified Mail Restricted Delivery	\$ _____
<input type="checkbox"/> Adult Signature Required	\$ _____
<input type="checkbox"/> Adult Signature Restricted Delivery	\$ _____

Postage \$ _____

Total Postage and Fees \$ 806112

Sent To Bruce Cooper & Rexal Cooper
 Street and Apt. No., or PO Box No. 1015 Sugar Tree Road
 City, State, ZIP+4® Griffithsville WV 25541

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



08/13/2021

WW-9
(5/16)

API Number 47 - 043 - 02044
Operator's Well No. 6112

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) Sand Fork Quadrangle Griffithsville

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 *(initials)*

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 _____)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain All fluid recovered will be hauled to a Diversified Tank Battery and disposed of properly)

Will closed loop system be used? If so, describe: _____

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

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

Additives to be used in drilling medium? _____

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

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

-Landfill or offsite name/permit number? _____

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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 20th day of July, 20 21

Phyllis A. Copley Notary Public

My commission expires September 16, 2023

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

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer type _____ 10-20-20 or equivalent

Fertilizer amount _____ lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary

Permanent

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

Seed Type	lbs/acre
Red Fescue	15
Alsike 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: [Signature]
Comments: _____

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Title: Inspector Del CAS Date: 7-26-21

Field Reviewed? Yes No



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

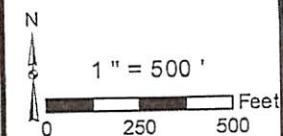
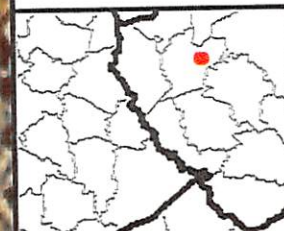
47-043-02044

Plugging Map

Legend

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

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Well No.: 47-043-02044
UTM83-17 Meters
North: 413626.18
East: 4228887.12
Elev.: 264.63 M
Elev.: 867.98 Ft

1 Pit = 10' w x 20' L x 8' Deep = 285 bbl

47-043-02044-P

WW-7
8-30-06



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

API: 47-043-02044 WELL NO.: 6112

FARM NAME: Edgnor, J.M.

RESPONSIBLE PARTY NAME: Diversified Production LLC

COUNTY: Lincoln DISTRICT: Union

QUADRANGLE: Griffithsville

SURFACE OWNER: Southern Region Industrial Inc

ROYALTY OWNER: Diversified Production LLC

UTM GPS NORTHING: 4,228,887.12

UTM GPS EASTING: 413,626.18 GPS ELEVATION: 868'

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:

- Datum: NAD 1983, Zone: 17 North, Coordinate Units: Meters, Height above mean sea level (MSL) – meters.
- Accuracy to Datum – 3.05 meters
- Data Collection Method:

Survey grade GPS : Post Processed Differential

Real-Time Differential

Mapping Grade GPS : Post Processed Differential

Real-Time Differential

- 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.

	Director Production	07/19/2021
Signature	Title	Date

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

Plugging Vertical Well Work Permit (API: 47-043-02044)

1 message

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

Tue, Aug 10, 2021 at 3:14 PM

To: "Mast, Jeff" <jmast@dgo.com>, "Urban, Terry W" <terry.w.urban@wv.gov>

Cc: Guy Browning <guybrowning@lincolncountywv.org>

I have attached a copy of the newly issued well [permit](#) number "6112", **API (47-043-02044)**. This will serve as your copy.

If you have any questions, then [please contact us here at the Office of Oil and Gas](#).

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

2 attachments

 **IR-8 Blank.pdf**
157K

 **47-043-02044 - Copy.pdf**
2364K

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