



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, September 21, 2021
WELL WORK PLUGGING PERMIT
Vertical Plugging

DIVERSIFIED PRODUCTION LLC
101 MCQUISTON DRIVE
JACKSON CENTER, PA 16133

Re: Permit approval for 1
47-017-00189-00-00

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: 1
Farm Name: HAUGHT, MARVEL
U.S. WELL NUMBER: 47-017-00189-00-00
Vertical Plugging
Date Issued: 9/21/2021

Promoting a healthy environment.

09/24/2021

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.

WW-4B
Rev. 2/01

1) Date August 19, 2021
2) Operator's
Well No. 1
3) API Well No. 47-017 - 00189

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 871 ft Watershed Jims Run
District Southwest County Doddridge Quadrangle Oxford

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 Sam Ward Name Diversified Production, LLC (In-House Rig)
Address P.O. Box 2327 Address 1951 Pleasantview Ridge Road
Buckhannon, WV 26201 Ravenswood, WV 26164

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

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 [Signature] Date 8/23/2021

RECEIVED
Office of Oil and Gas
AUG 24 2021
WV Department of
Environmental Protection

4701700189⁰

PLUGGING PROGNOSIS

API# 47-017-00189

West Virginia, Doddridge County

39.1719802326909, -80.8218999179827

Nearest ER: Minnie Hamilton Health System. 186 Hospital Drive, Grantsville, WV 26147

Casing Schedule

6 ½" csg @ 705'

5 3/16" csg @ 1616'

TD @ 1759'

Completion:

- Natural

Fresh Water: None Reported

Gas Shows: Sand 1670'-1705'

Oil Show: 785'-795'

Coal: None Reported

Elevation: 842'

1. Notify Inspector Sam Ward @ 304-389-7583, 48 hours prior to commencing operations.
2. Check and record pressures on csg.
3. Check TD w/ wireline.
4. TIH w/ tbg to 1705'. Kill well as needed with 6% bentonite gel. Pump 135' C1A cement plug from 1705'-1570' (Sand Gas show). Tag cement and top off if needed
5. TOOH w/ tbg to 1570'. Pump 6% bentonite gel from 1570'-842'. TOOH LD tbg.
6. Free point 5 3/16" 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.
7. TIH w/ tbg to 842'. Pump 187' C1A cement plug from 842'-655' (Elevation, Oil show, 6 ½" csg st).
8. TOOH w/ tbg to 655'. Pump 6% bentonite gel from 655'-100'. TOOH LD Tbg.
9. Free point 6 1/2" 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.
10. TIH w/ tbg to 100'. Pump 100' C1A cement plug from 100'-surface (Surface).
11. Erect monument with API#, date plugged, and company name.
12. Reclaim location and road to WV-DEP specifications.

SOC
8/23/2021

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Office of Oil and Gas

AUG 24 2021

WV Department of
Environmental Protection

4701700189P



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Hollbrook

WELL RECORD

Permit No. DOD#186-D

Oil or Gas Well Gas

Company <u>P & M Oil Company</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>West Union, W. Va.</u>	Size			
Farm <u>Marvel Haught</u> Acres <u>6.2</u>	18			Kind of Packer
Location (waters)	16			
Well No. <u>1</u> Elev. <u>842</u>	14			Size of
District <u>South West</u> County <u>Dodderidge</u>	12			
The surface of tract is owned in fee by <u>Marvel Haught</u>	10			Depth set
Address <u>Oxford, W. Va.</u>	8 1/2			
Mineral rights are owned by <u>Same</u>	6 1/2	<u>705</u>	<u>705</u>	Perf. top
Address	5 3/16	<u>1616</u>	<u>1616</u>	Perf. bottom
Drilling commenced <u>June 22, 1956</u>	3			Perf. top
Drilling completed <u>July 17, 1956</u>	2			Perf. bottom
Date Shot From To	Liners Used			Perf. top
With				Perf. bottom
Open Flow <u>59</u> 10ths Water in <u>1</u> " Inch				
/10ths Merc. in _____ Inch	CASING CEMENTED	SIZE	No. Ft.	Date
Volume _____ Cu. Ft.				
Rock Pressure <u>350</u> lbs. <u>1</u> hrs.	COAL WAS ENCOUNTERED AT <u>None</u> FEET _____ INCHES			
Oil _____ bbls., 1st 24 hrs.	_____ FEET _____ INCHES	_____ FEET _____ INCHES	_____ FEET _____ INCHES	_____ FEET _____ INCHES
Fresh water _____ feet _____ feet	_____ FEET _____ INCHES	_____ FEET _____ INCHES	_____ FEET _____ INCHES	_____ FEET _____ INCHES
Salt water _____ feet _____ feet				

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Drilling deeper began at 820							
L. Dunkard			760	820			
Sand			840	910			
Sand			935	980			
Lime			1213	1255			
Sand			1255	1368			
Lime			1535	1540			
Slate			1540	1555			
Lime & Sand			1555	1565			
Lime			1590	1598			
Slate			1598	1600			
Lime			1600	1668			
Sand			1668	1730			
Gas			1670	1675			
Gas			1701	1705			
Total Depth			1759				

*SOW
8/23/2021*



(Over)

09/24/2021

4701700189P



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Hallbrook
Permit No. 189-D

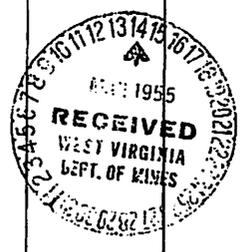
WELL RECORD

Oil or Gas Well Oil
(MMS)

Company <u>P. & M. Oil Company</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>West Union, W. Va.</u>	Size			
Farm <u>Marvel Haught</u> Acres <u>60</u>	16			Kind of Packer
Location (waters) <u>Jim Sun of Mid. Fk. Hughs</u>	13			
Well No. <u>1</u> Elev. <u>842'</u>	10			Size of
District <u>So. West</u> County <u>Doddridge</u>	8 1/2			
The surface of tract is owned in fee by <u>Haught</u>	6 1/2			Depth set
Address	5 3/16			
Mineral rights are owned by <u>Haught</u>	3			Perf. top
Address	2			Perf. bottom
Drilling commenced <u>Clean out began May 11, 54</u>	Liners Used			Perf. top
Drilling completed <u>May 20, 1954</u>				Perf. bottom
Date Shot From To				
With				
Open Flow /10ths Water in Inch	CASING CEMENTED	SIZE	No. Ft.	Date
/10ths Merc. in Inch				
Volume Cu. Ft.	COAL WAS ENCOUNTERED AT	FEEET	INCHES	
Rock Pressure lbs. hrs.		FEEET	INCHES	
Oil bbls., 1st 24 hrs.		FEEET	INCHES	
Fresh water feet		FEEET	INCHES	
Salt water feet		FEEET	INCHES	

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
			Began drilling at 795 in Little Dunkard sand				
			Little dunkard	760		820	
			Total depth			820	
			The production of oil was increased to 3 barrels of oil per day so drilling was stopped.				

S Dew
8/23/2021



(Over)

09/24/2021



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Hallbrook

WELL RECORD

Permit No. 24-189

Oil or Gas Well Oil
(KIND)

Company <u>W. M. Oil Co</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>West Union, W. Va.</u>	Size			
Farm <u>Marvot Haight</u> Area <u>60</u>	16			Kind of Packer
Location (waters) <u>Tim Run</u>	18			
Well No. <u>1</u> Elev. <u>243</u>	10	<u>24</u>	<u>0</u>	Size of
District <u>So. West</u> County <u>Doddridge</u>	8 1/2	<u>221</u>	<u>0</u>	Depth set
The surface of tract is owned in fee by <u>Haight</u>	6	<u>705</u>	<u>705</u>	
Address	5 8/16			
Mineral rights are owned by <u>Haight</u>	8			Perf. top
Address	2			Perf. bottom
Drilling commenced <u>Dec. 23, 48</u>	Liners Used			Perf. top
Drilling completed <u>Jan. 10, 49</u>				Perf. bottom
Date Shot From To				
With				
Open Flow /10ths Water in _____ Inch	CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____			
_____ /10ths Merc. in _____ Inch	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Volume _____ Cu. Ft.	_____ FEET _____ INCHES FEET _____ INCHES			
Rock Pressure _____ lbs _____ hrs.	_____ FEET _____ INCHES FEET _____ INCHES			
Oil <u>10</u> bbls., 1st 24 hrs.	_____ FEET _____ INCHES FEET _____ INCHES			
Fresh water _____ feet _____ feet				
Salt water _____ feet _____ feet				

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
<u>Shale & Shells</u>			<u>0</u>	<u>515</u>			
<u>Red Rock</u>			<u>515</u>	<u>520</u>			
<u>Lime</u>			<u>570</u>	<u>595</u>			
<u>Red Rock</u>			<u>595</u>	<u>615</u>			
<u>Shelly</u>			<u>615</u>	<u>720</u>			
<u>Lime</u>			<u>720</u>	<u>760</u>	<u>Oil</u>	<u>785-795</u>	
<u>Sand</u>			<u>760</u>				
<u>Total Depth</u>			<u>795</u>				

SDW
8/23/2021



(Over)

47017001899

WW-4A
Revised 6-07

1) Date: August 19, 2021
2) Operator's Well Number: 1
3) API Well No.: 47 - 017 - 00189

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

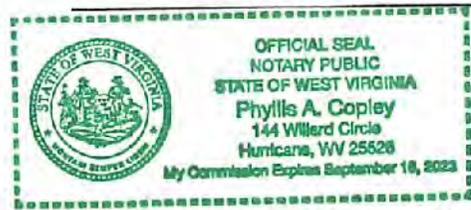
4) Surface Owner(s) to be served: (a) Name Harold Hinzman, Address 1191 Harmony Road, West Union, WV 26456. (b) Name, Address. (c) Name, Address. 5) (a) Coal Operator Name None, Address. (b) Coal Owner(s) with Declaration Name James R. Haught, Joseph B. Haught, Charles Haught, Address 6508 Grove Summers Road, West Union, WV 26456. (c) Coal Lessee with Declaration Name No Declaration, Address.

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 reverse 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: 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 August, 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.

09/24/2021

Well #1
47-017-00189

4701700189P

7020 2450 0001 5225 2720

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West Union, WV 26456

OFFICIAL USE

Certified Mail Fee	\$ 3.60	0523
Extra Services & Fees (check box, add fee as appropriate)	\$ 2.85	01
<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 \$ 1.40

Total \$ 7.85

08/23/2021

Sent To: Harold Hinzman

Street: 1191 Harmony Road

City: West Union, WV 26456

PS Form 3800 47-017-00189 Instructions

7020 2450 0001 5225 2713

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OFFICIAL USE

Certified Mail Fee	\$ 3.60	0523
Extra Services & Fees (check box, add fee as appropriate)	\$ 2.85	01
<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 \$ 1.40

Total \$ 7.85

08/23/2021

Sent To: James R., Joseph B., & Charles Haught

Street: 6508 Grove Summers Road

City: West Union, WV 26456

PS Form 3800 47-017-00189 Instructions

09/24/2021

WW-9
(5/16)

API Number 47 - 017 - 00189
Operator's Well No. 1

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) Jims Run Quadrangle Oxford

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.?

*SOW
8/23/2021*

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection (UIC Permit Number: 4709300103)
- 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 *J Mast*

Company Official (Typed Name) Jeff Mast

Company Official Title Director Production



Subscribed and sworn before me this 20th day of August, 2021

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

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: OOG Inspector

Date: 8/23/2021

Field Reviewed? Yes No

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Office of Oil and Gas

AUG 24 2021

WV Department of
Environmental Protection



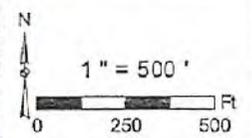
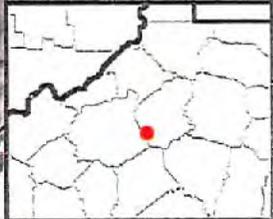
Diversified Gas & Oil Corporation
 100 Diversified Way
 Pikeville KY, 41051

47-017-00189

Plugging Map

Legend

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



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4701700189P

Includes
inspector
signed sheets

4701700189P

Well Number: 1
API: 47-017-00189

PLUGGING PERMIT CHECKLIST

Plugging Permit

- WW-4B
- WW-4B signed by inspector
- WW-4A
- SURFACE OWNER WAIVER or PROOF THAT APPLICATION WAS SENT BY REGISTERED OR CERTIFIED MAIL *- Attached after WW-4A*
- COAL OWNER/COAL OPERATOR/COAL LESSEE WAIVERS or PROOF THAT APPLICATION WAS SENT BY REGISTERED OR CERTIFIED MAIL
- WW-9 PAGE 1 (NOTARIZED)
- WW-9 PAGE 2 with attached drawing of road, location, pit and proposed area for land application
- WW-9 GPP PAGE 1 and 2 if well effluent will be land applied
- RECENT MYLAR PLAT OR WW-7
- WELL RECORDS/COMPLETION REPORT
- TOPOGRAPHIC MAP OF WELL, SHOWING PIT IF PIT IS USED
- MUST HAVE VALID BOND IN OPERATOR'S NAME
- CHECK FOR \$100 IF PIT IS USED

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Office of Oil and Gas

AUG 24 2021

WV Department of
Environmental Protection

09/24/2021



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

Plugging Vertical Well Work Permit (API: 47-017-00189)

1 message

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

Wed, Sep 22, 2021 at 7:39 AM

To: "Mast, Jeff" <jmast@dgoc.com>, "Ward, Samuel D" <samuel.d.ward@wv.gov>, David Sponaugle <dsponaug@assessor.state.wv.us>

I have attached a copy of the newly issued well [permit](#) number "1", **API (47-017-00189)**. 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

 **47-017-00189 - Copy.pdf**
945K

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

09/24/2021