



---

west virginia department of environmental protection

---

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

Harold D. Ward, Cabinet Secretary  
[www.dep.wv.gov](http://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 3  
47-017-00193-00-00

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: 3  
Farm Name: HAUGHT, MARVEL  
U.S. WELL NUMBER: 47-017-00193-00-00  
Vertical Plugging  
Date Issued: 9/21/2021

## 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.

**PLUGGING PROGNOSIS**

API# 47-017-00193

West Virginia, Doddridge County

39.1693962496264, -80.8215695714042

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

**Casing Schedule**

6 5/8" csg @ 528'

4 1/2" csg @ 1631'

2 3/8" tbg and rods @ approx. 1680'

TD @ 1750'

**Completion:**

- Natural

**Fresh Water:** None Reported**Gas Shows:** Big Injun 1680'-1730'**Oil Show:** 776'-790' based on offset 471-017-00193**Coal:** None Reported**Elevation:** 866'

1. Notify Inspector Sam Ward @ 304-389-7583, 48 hours prior to commencing operations.
2. Check and record pressures on tbg/csg.
3. TOOH LD rods and tbg. Inspect tbg.
4. Check TD w/ wireline.
5. TIH w/ tbg to 1730'. Kill well as needed with 6% bentonite gel. Pump 150' C1A cement plug from 1730'-1580' (Injun Gas show). Tag cement and top off as needed
6. TOOH w/ tbg to 1580'. Pump 6% bentonite gel from 1580'-866'. TOOH LD tbg.
7. Free point 4 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.
8. TIH w/ tbg to 866'. Pump 190' C1A cement plug from 866'-676' (Elevation, Oil show).
9. TOOH w/ tbg to 676'. Pump 6% bentonite gel from 676'-578'.
10. TOOH w/ tbg to 578'. Pump 100' C1A cement plug from 578'-478' (6 5/8" csg st).
11. TOOH w/ tbg to 478'. Pump 6% bentonite gel from 478'-100'. TOOH LD Tbg.
12. 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.
13. TIH w/ tbg to 100'. Pump 100' C1A cement plug from 100'-surface (Surface).
14. Erect monument with API#, date plugged, and company name.
15. Reclaim location and road to WV-DEP specifications.

SDW  
8/23/2021RECEIVED  
Office of Oil and Gas

AUG 24 2021

WV Department of  
Environmental Protection

09/24/2021

WW-4B  
Rev. 2/01

1) Date August 19, 2021  
2) Operator's  
Well No. 3  
3) API Well No. 47-017 - 00193

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

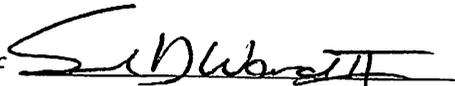
- 4) Well Type: Oil \_\_\_ / Gas X / Liquid injection \_\_\_ / Waste disposal \_\_\_ /  
(If "Gas, Production X or Underground storage \_\_\_) Deep \_\_\_ / Shallow X
- 5) Location: Elevation 858 ft Watershed Jims Run  
District Southwest County Doddridge Quadrangle Oxford
- 6) Well Operator Diversified 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



Date

8/23/2021

RECEIVED  
Office of Oil and Gas

WV Department of  
Environmental Protection

09/24/2021

4701700193P



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

*Hallbrook*  
QUADRANGLE Hallbrook  
Permit No. Dod-193 DOD-193

WELL RECORD

Oil or Gas Well Dry  
(KIND)

Company <u>P. &amp; I. 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>Middle Fork</u>	13			
Well No. <u>3</u> Elev. <u>835' 835"</u>	10	<u>42'</u>	<u>-</u>	Size of
District <u>South West</u> County <u>Doddridge</u>	8 1/4	<u>218</u>	<u>-</u>	
The surface of tract is owned in fee by <u>Marvel Haught</u>	6%	<u>528</u>	<u>528'</u>	Depth set
Address <u>Oxford, W. Va.</u>	5 3/16			
Mineral rights are owned by <u>Marvel Haught</u>	3			Perf. top
Address _____	2			Perf. bottom
Drilling commenced _____	Liners Used			Perf. top
Drilling completed <u>1949</u>				Perf. bottom
Date Shot _____ From _____ To _____				
With _____				
Open Flow <u>/10ths Water in _____</u> Inch				
<u>/10ths Merc. in _____</u> Inch				
Volume _____ Cu. Ft.				
Rock Pressure _____ lbs. _____ hrs.				
Oil _____ bbls., 1st 24 hrs.				
Fresh water _____ feet				
Salt water _____ feet				

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

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate red rock & shells			0	721			
Little Dunkard			721	775			
Big Dunkard			800	820			
Gas sand			915	980			
1st salt			1035	1057			Well worked over and cleaned out 6-19-62
2nd. "			1230	1355			Ran 4 1/2 inch casing to 1631 feet cemented with 15 sacks Hi-early
3rd. "			1414	1450			4 sacks aquagel
Maxton shell			1564	1568			Garaton Service
L. lime			1620	1655			
Pencil cave			1635	1639			
Big lime			1639	1680			
Injun			1680	1730			
Total depth			1750				

*SDW*  
*8/23/2021*



RECEIVED  
Office of Oil and Gas

AUG 24 2021

WV Department of  
Environmental Protection  
08/24/2021

(Over)

WW-4A  
Revised 6-07

1) Date: August 19, 2021  
2) Operator's Well Number 3

3) API Well No.: 47 - 017 - 00193

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

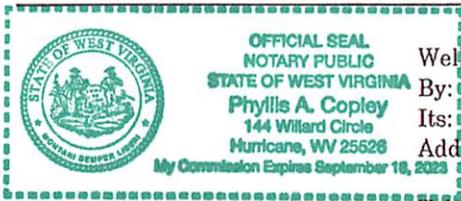
<p>4) Surface Owner(s) to be served:</p> <p>(a) Name <u>Harold Hinzman</u> Address <u>1191 Harmony Road</u> <u>West Union, WV 26456</u></p> <p>(b) Name _____ Address _____</p> <p>(c) Name _____ Address _____</p>	<p>5) (a) Coal Operator</p> <p>Name <u>None</u> Address _____</p> <p>(b) Coal Owner(s) with Declaration</p> <p>Name <u>James R. Haught, Joseph B. Haught, Charles Haught</u> Address <u>6508 Grove Summers Road</u> <u>West Union, WV 26456</u></p> <p>Name _____ Address _____</p> <p>(c) Coal Lessee with Declaration</p> <p>Name <u>No Declaration</u> Address _____</p>
<p>6) Inspector <u>Sam Ward</u> Address <u>P.O. Box 2327</u> <u>Buckhannon, WV 26201</u> Telephone <u>304-389-7583</u></p>	

**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: [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 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](mailto:depprivacyofficer@wv.gov).

10/01/2021



WEL 3  
47-017-00193

4701700193 P

7020 2450 0001 5225 2768

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

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.

West Union, WV 26456

Certified Mail Fee	\$3.60
Extra Services & Fees (check box, add fee as appropriate)	\$7.85
<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

Sent To: James R., Joseph B., & Charles Haught  
6508 Grove Summers Road  
West Union, WV 26456

City, State: West Union, WV

Postmark Here: 0523 01  
08/23/2021

PS Form 3800, April 2019

7020 2450 0001 5225 2751

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

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.

West Union, WV 26456

Certified Mail Fee	\$3.60
Extra Services & Fees (check box, add fee as appropriate)	\$7.85
<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 Postage \$7.85

Sent To: Harold Hinzman (surface)  
Harmony Road  
West Union, WV 26456

City, State: West Union, WV

Postmark Here: 0523 01  
08/23/2021

PS Form 3800, April 2019

RECEIVED  
Office of Oil and Gas  
AUG 24 2021  
WV Department of  
Environmental Protection  
09/24/2021

WW-9  
(5/16)

API Number 47 - 017 - 00193  
Operator's Well No. 3

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.? \_\_\_\_\_

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 \_\_\_\_\_)

*SD ce  
8/23/2021*

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 20<sup>th</sup> day of August, 2021

*Phyllis A. Copley* Notary Public

My commission expires September 16, 2023

47017001934

Form WW-9

Operator's Well No. 3

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.

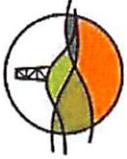
Plan Approved by: [Signature]

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Title: COG Inspector Date: 8/25/2021

Field Reviewed? ( ) Yes (  ) No

RECEIVED  
Office of Oil and Gas  
AUG 24 2021  
WV Department of  
Environmental Protection  
09/24/2021

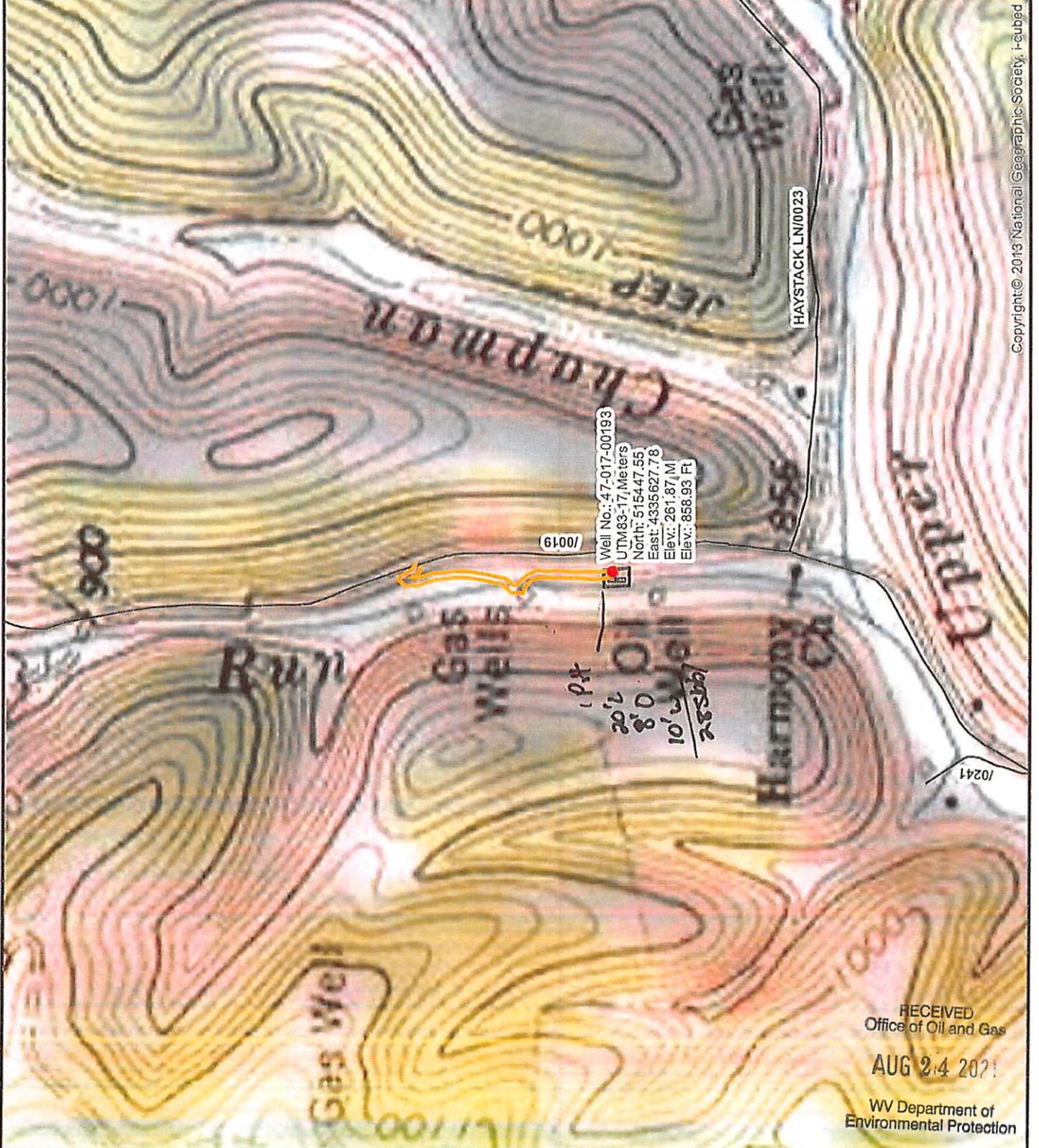
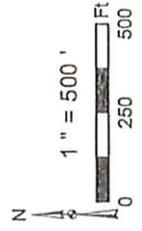


Diversified Gas & Oil Corporation  
100 Diversified Way  
Pikeville KY, 41051

47-017-00193  
Plugging Map

**Legend**

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



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

09/24/2021

4701700193P

WW-7  
8-30-06



West Virginia Department of Environmental Protection  
Office of Oil and Gas

**WELL LOCATION FORM: GPS**

API: 47-017-00193 WELL NO.: 3

FARM NAME: Haught Marvel

RESPONSIBLE PARTY NAME: Diversified Production LLC

COUNTY: Doddridge DISTRICT: Southwest

QUADRANGLE: Oxford

SURFACE OWNER: Harold Hinzman

ROYALTY OWNER: Diversified Production LLC

UTM GPS NORTHING: 4,335,627.7

UTM GPS EASTING: 515,447.5 GPS ELEVATION: 858'

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  
Title

08/12/2021  
Date

RECEIVED  
Office of Oil and Gas

AUG 24 2021

WV Department of  
Environmental Protection

09/24/2021

Inspector  
Signed Sheets  
included

4701700193P

Well Number: 3  
API: 47-017-00193

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 — Receipt 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

RECEIVED  
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: 47-017-00193)

1 message

---

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

Wed, Sep 22, 2021 at 8:00 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 "3", **API (47-017-00193)**. 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](mailto:Wade.A.Stansberry@wv.gov)**

---

### 2 attachments

 **47-017-00193 - Copy.pdf**  
2476K

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

09/24/2021