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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

Harold D. Ward, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Thursday, May 5, 2022  
WELL WORK PLUGGING PERMIT  
Vertical Plugging

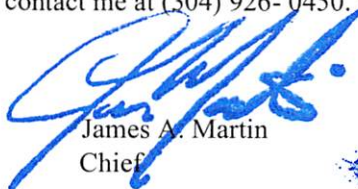
DIVERSIFIED PRODUCTION LLC  
101 MCQUISTON DRIVE  
JACKSON CENTER, PA 16133

Re: Permit approval for 19  
47-087-02259-00-00

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: 19  
Farm Name: CASEY, S. L.  
U.S. WELL NUMBER: 47-087-02259-00-00  
Vertical Plugging  
Date Issued: 5/5/2022

## 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.

1) Date April 26, 2022  
2) Operator's  
Well No. 19  
3) API Well No. 47-087 - 02259

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 619.55 ft Watershed Left Hand Creek  
District Geary County Roane Quadrangle Clendenin

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 Joe Taylor Name Diversified Production, LLC (In-house rig)  
Address 1478 Claylick Road Address 1951 Pleasantview Ridge Road  
Ripley, WV 25271 Ravenswood, WV 26164

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

See Attached

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

Work order approved by inspector  Date 5-2-22

05/06/2022

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4708702259 P&A

WV Department of  
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**Directions:** Traveling North on I-79N from Charleston. Take exit 19 (US-119, Clendenin), turn right onto County Route 13/15, in 300' turn left on Spencer Rd, travel 2.1 miles and turn right onto Wood Dr. and cross bridge. After you cross bridge, turn left and follow dirt road in front of residences and past Casey Cemetery. Look for well straight ahead on the edge of creek bank.



05/06/2022

4708702259P

## Plugging Prognosis

API #: 4708702259

West Virginia, Kanawha Co.

Lat/Long: 38.542235 -81.348701

Nearest ER: CAMC Memorial Hospital 3200 MacCorkle Ave SE, Charleston, WV 25304

## Casing Schedule:

13" @ 32'

10" @ 145' (no cement information provided)

6-5/8" @ 1,405' (no cement information provided)

2" tbg @ 1,448'

TD @ 1,558'

Completion: Big Injun perforated 21'11" off bottom.

Fresh Water: 895'

Salt Water: None listed

Gas Shows: 1,530'-1,550'

Oil Shows: 810'-825'

Coal: 435'-437'

Elevation: 626'

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*Joe Taylor 304-380-7469*

1. Notify Inspector ~~Ferry Urban @ 304-549-5915~~, 48 hrs prior to commencing operations.
2. Check and record pressures on csg/tbg.
3. Pull and lay down tbg.
4. Check TD w/ wireline.
5. Run in to depth @ 1,530'. Kill well as needed with 6% bentonite gel and fill rat hole. Pump at least 10 bbls gel. Pump 175' C1A cement plug from **1,530' to 1,355' (Big Injun completion, gas show and 6-5/8" csg shoe)** Tag TOC. Top off as needed.
6. TOOH w/ tbg to 1,355'. Pump 6% bentonite gel from 1,355' to 895'.
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. TOOH w/ tbg to 895'. Pump 185' C1A cement plug from **895' to 710' (freshwater and oil show plug)**.
9. TOOH w/ tbg to 710'. Pump 6% bentonite gel from 710' to 626'.
10. TOOH w/ tbg to 895'. Pump 241' C1A cement plug from **626' to 385' (elevation and coal show plug)**.
11. TOOH w/ tbg to 385'. Pump 6% bentonite gel from 385' to 195'. *Tax to REMOVE 10" casing.*
12. TOOH w/ tbg to 195'. Pump 195' C1A cement plug from **195' to surface (10" csg shoe and surface plug)**.
13. Reclaim location and well road to WV DEP specifications and erect P&A well monument.

*ALL FREE CASING MUST BE PULLED.*  
*Jmm*



05/06/2022



*Roane*  
2259

UNITED FUEL GAS COMPANY

087-2259

4708702259P

SERIAL WELL NO. 19 LEASE NO. \_\_\_\_\_ MAP SQUARE 76-73

RECORD OF WELL, No. <u>1</u> on file				CASING AND TUBING			NATURAL GAS PRODUCTION	
<u>S. L. Geary</u>	Farm of <u>50</u>	Acres		SIZE	USED IN DRILLING	LEFT IN WELL		
<u>in Geary</u>		District		<u>16</u>			10ths. of Water in	inch
<u>Roane</u>		County		<u>13</u>	<u>32</u>	<u>32</u>	10ths. of Merc. in	inch
	Field, State of <u>W. Va.</u>			<u>10</u>	<u>145</u>	<u>145</u>	10ths. Volume	<u>10,526 M</u> Cu. ft.
				<u>8 INCH</u>	<u>437</u>		TEST AFTER SHOT	
Rig Commenced	<u>193</u>			<u>6 5/8</u>	<u>1405</u>	<u>1405</u>	10ths. of Water in	men
Rig Completed	<u>193</u>			<u>5 3/16</u>			10ths. of Merc. in	men
Drilling Commenced	<u>February 2, 1906</u>	<u>193</u>		<u>4 7/8</u>			Volume	Cu. ft.
Drilling Completed	<u>March 8, 1906</u>	<u>193</u>		<u>4</u>	<u>X</u>		Rock Pressure	
Drilling to cost	<u>\$1.25</u> per foot			<u>3</u>			Date Shot	
Contractor is:	<u>Lockwood &amp; Currie</u>			<u>2</u>			Size of Torpedo	
Address:	<u>Marietta, Ohio</u>						Oil Flowed	
							Oil Pumped	
							Date	
Driller's Name							Tubing or Casing	
							Well abandoned and	
							Plugged	
							193	
							Size of Packer <u>4 x 6 5/8</u>	
							Kind of Packer <u>Dresser</u>	
							1st Perf. Set from	
							2nd Perf. Set from	
Elevation = <u>626.2 L.</u>								

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Slate		300	300	Gauge of July 1909 - 8,277 M
Coal	300	301	1	Packer set 110' from bottom
Slate	301	435	134	Gas pay in Big Injun
Coal	435	437	2	About 1 Bbl. of oil per day 825'.
Sand	437	820	383	Oil sand from 810-825.
Salt Sand	820	1360	540	Water @ 895 full at 915.
Little Lime	1360	1390	30	Gas from 1530-1550.
Pencil Gave	1390	1400	10	4 x 2 Anchor packer set 110' from bottom
Big Lime	1400	1513	113	Perforation 21' 11" off Bottom (5-3-27)
Keener	1513	1528	15	
Slate	1528	1539	11	
Big Injun	1539	1553	14	
Slate	1553	1558	5	
Total Depth		1558		

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WW-4A  
Revised 6-07

1) Date: April 26, 2022

2) Operator's Well Number  
19

3) API Well No.: 47 - 087 - 02259

**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>Kenneth Matthew Young</u> Address <u>P.O. Box 41</u> <u>Elkview, WV 25071</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>Kenneth Matthew Young</u> Address <u>P.O. Box 41</u> <u>Elkview, WV 25071</u></p> <p>(c) Coal Lessee with Declaration</p> <p>Name <u>No Declaration</u> Address _____</p>
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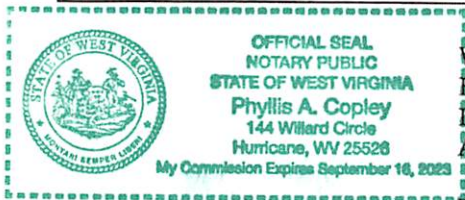
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**APR 28 2022**  
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Environmental Protection

**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, Technical Services  
Address: 414 Summers Street  
Charleston, WV 25301  
Telephone: 304-543-6988

Subscribed and sworn before me this 26<sup>th</sup> day of April, 2022  
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).

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47-087-02259  
Well 19

7020 2450 0001 5225 1976

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

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

Elkview, WV 25071

**OFFICIAL USE**

Certified Mail Fee	\$3.75	\$3.05
Extra Services & Fees (check box, add fee as appropriate)		
<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	\$	
Postage	\$1.56	
<b>Total</b>		<b>\$8.36</b>

Well 19

Kenneth Matthew Young  
P.O. Box 41  
Elkview, WV 25071

Postmark Here  
APR 20 2022  
04/26/2022

0523 04

or Instructions

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05/06/2022



4708702259P

WW-9  
(5/16)

API Number 47 - 087 - 02259  
Operator's Well No. 19

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) Left Hand Creek Quadrangle Clendenin

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 WC Booker #1: 47-039-02327 UIC2D0392327 002 )
- 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

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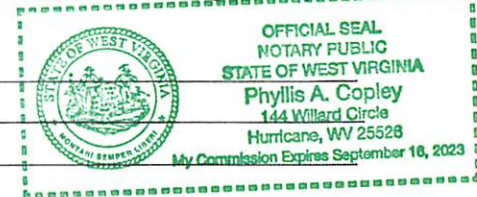
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Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall 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 Technical Services



Subscribed and sworn before me this 26<sup>th</sup> day of April, 2022

Phyllis A. Copley Notary Public

My commission expires September 16, 2023

[Signature]

05/06/2022

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

Lime 3 Tons/acre or to correct to pH 605

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.

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Plan Approved by: Joe Taylor

MAY 04 2022

Comments:

WV Department of Environmental Protection

Sediment control in place at all time

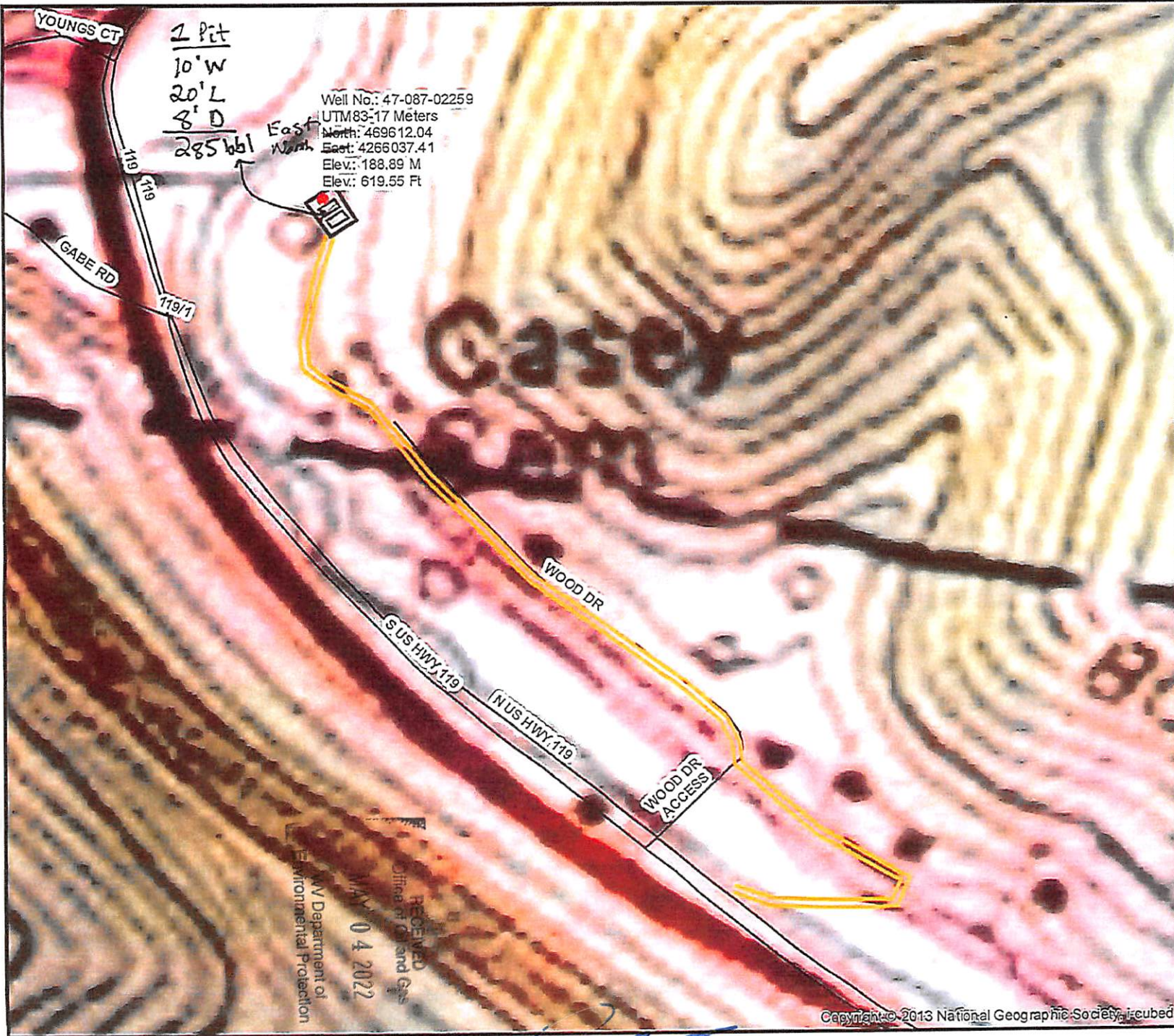
[Signature]

Title: OOG Inspector

Date: 5-2-22

Field Reviewed? (X) Yes ( ) No





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

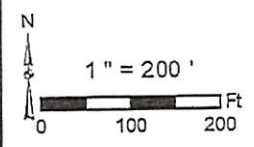
47-087-02259

Plugging Map

Legend

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

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WW-7  
8-30-06



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

API: 4708702259 WELL NO.: 19

FARM NAME: S L Casey

RESPONSIBLE PARTY NAME: Diversified Production LLC

COUNTY: Roane DISTRICT: Geary

QUADRANGLE: Clendenin

SURFACE OWNER: Kenneth Matthew Young

ROYALTY OWNER: Moondance LLC

UTM GPS NORTHING: 4266037.41

UTM GPS EASTING: 469612.04 GPS ELEVATION: 619.55

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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, Altitude: 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.

  
Signature

Digitally signed by Austin Suttler  
Date: 2022.04.25 16:25:36  
+04'00'

Sr. Proj. Manager  
Title

4/25/2022  
Date

05/06/2022





Stansberry, Wade A &lt;wade.a.stansberry@wv.gov&gt;

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**Plugging Vertical Well Work Permit (API: 47-087-02259)**

1 message

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

Thu, May 5, 2022 at 10:30 AM

To: "Mast, Jeff" &lt;jmast@dgoc.com&gt;, Phyllis Copley &lt;pcopley@dgoc.com&gt;, "Taylor, Joseph D" &lt;joseph.d.taylor@wv.gov&gt;, Emily Westfall &lt;ewestfall@wvassessor.com&gt;

I have attached a copy of the newly issued well [permit](#) number. This will serve as your copy.

**47-087-02259 - 19**

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)**

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**2 attachments** **47-087-02259 - Copy.pdf**  
2733K **IR-8 Blank.pdf**  
237K**05/06/2022**