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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)

Tuesday, September 21, 2021  
WELL WORK PLUGGING PERMIT  
Vertical Plugging

DIVERSIFIED PRODUCTION LLC  
101 MCQUISTON DRIVE  
JACKSON CENTER, PA 16133

Re: Permit approval for 44-6835  
47-059-00296-00-00

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: 44-6835  
Farm Name: CLOSTERMAN, H.  
U.S. WELL NUMBER: 47-059-00296-00-00  
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

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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.

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 1382 ft Watershed Jennie Creek  
District Harvey County Mingo Quadrangle Naugatuck

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 Name Terry Urban  
Address P.O. Box 1207  
Clendenin, WV 25045  
9) Plugging Contractor Name Diversified Production LLC (In-house Rig)  
Address 1951 Pleasantview Ridge Road  
Ravenswood, WV 26164

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

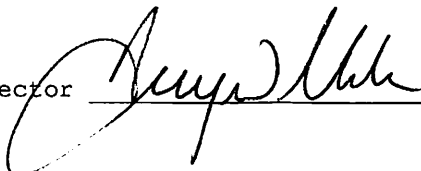
See Attached

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WV Department of  
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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 8-24-21

09/24/2021

## PLUGGING PROGNOSIS ✓

806835

West Virginia, Mingo County

API# 47-059-00296

37.904053344277, -82.327906892919

Nearest ER: Three Rivers Medical Center, 2485 Highway 644, Louisa, KY 41230

Completed by S.T.

Updated 11/14/2019

## Casing Schedule

10" csg @ 593'

3 ½" csg @ 1533' Packer @ 1429'

TD 1533'

3" Fluid Level 10/3/19 showed dry hole

\*Hole reduced from 10"-8" @ 1407'

Completion: Natural

Fresh Water: 240'

Gas Shows: 1106', 1295', Maxon 1525'-1533'

Oil Shows: 1305'

Coal: No shows

Elevation: 1335'

1. Notify Inspector, Terry Urban @ 304-549-5915, 48 hours prior to commencing operations.
2. Check and record pressures on csg.
3. Check TD w/ wireline.
4. RIH w/ gun. Perf 3 ½" csg @ 1520', 1470', and 1420'.
5. TIH w/ tbg to 1525'. Load well as needed w/ 6% bentonite gel. Pump 105' C1A cement plug from **1525'-1420' (Maxon Gas Show)**.
6. TOOH w/ tbg to 1425' and pump 6% bentonite gel from **1425'-1335'**. TOOH LD tbg.
7. Free Point 3 ½" csg. Cut and Pull. Set 100' C1A cement plug across csg Cut. 50' in/out of cut.
8. TIH w/ tbg to 1335'. Pump 140' C1A cement plug from **1335'-1195' (Elevation & Gas Show)**.
9. TOOH w/ tbg to 1195'. Pump 6% bentonite gel from **1195'-1106'**.
10. TOOH w/ tbg to 1106'. Pump 100' C1A cement plug from **1106'-1006' (Gas Show)**.
11. TOOH w/ tbg to 1006'. Pump 6% bentonite gel from **1006'-643'**.
12. TOOH w/ tbg to 643'. Pump 100' C1A cement plug from **643'-543' (10" csg st)**.
13. TOOH w/tbg to 543'. Pump 6% bentonite gel from **543'-290'**. TOOH LD tbg.
14. Free Point 10" csg. Cut and pull. Set 100' C1A cement plug across csg Cut. 50' in/out of cut. Do not omit any plugs listed below. Perforate as needed.
15. TIH w/ tbg to 290'. Pump 100' C1A cement plug from **290'-190' (Fresh Water)**.
16. TOOH w/tbg to 190'. Pump 6% bentonite gel from **190'-100'**.
17. TOOH w/ tbg to 100'. Pump 100' C1A cement plug from **100'-0' (Surface)**.
18. Erect monument with API#, date plugged, and company name.
19. Reclaim location and road to WV-DEP specifications.

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Operator to cover with Cement All O&G prozone including  
SAH, Elevation, Coal and Freshwater

*[Signature]*  
5-24-21

09/24/2021



47059002969

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

*Naugatuck*

WELL RECORD

Permit No. MIN-296

Oil or Gas Well Gas  
(KIND)

Company <u>United Fuel Gas Company</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>P.O. Box 1273, Charleston 25, W.Va.</u>	Size			
Farm <u>Henry Glosterman #44</u> Acres <u>3920</u>	Wood Conductor		15'	Kind of Packer
Location (waters) <u>Jannie Cr.</u>	18			Anchor
Well No. <u>6835</u> Elev. <u>1335.15</u>	13			
District <u>Harvey</u> County <u>Mingo</u>	10		593'	Size of
The surface of tract is owned in fee by _____	8 1/2			3" x 8-1/4" x 16"
Address _____	6 1/2			Depth set <u>1430'</u>
Mineral rights are owned by <u>1st Nat'l Bank of Bluefield</u>	5 3/16			
<u>R.A. Yarbrough, T.O. Address Bluefield, W.Va.</u>	3 Tubing		1533'	Perf. top
Drilling commenced <u>10-30-51</u>	2			Perf. bottom
Drilling completed <u>12-14-51</u>	Liners Used			Perf. top
Date Shot <u>Not shot</u> From _____ To _____				Perf. bottom
With _____				
Open Flow _____ /10ths Water in _____ Inch				
_____ /10ths Merc. in _____ Inch				
Volume _____ <u>1352 M</u> Cu. Ft.				
Rock Pressure <u>200</u> lbs. <u>48</u> 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
	FEET	INCHES	FEET

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate			0	3			
Sand			3	240			
Sand			240	260	Water 240'	3 BPH	
Slate & shells			260	290			
Sand			290	340			
Slate			340	360			
Sand			360	430			
Slate			430	527			
Sand			527	560			
Slate			560	570			
Black Lime			570	587			
Slate			587	590			
Sand			590	645			
Slate & Lime			645	710			
Hard Sand			710	838			
Slate & shells			838	885			
Sand			885	915			
Slate			915	1075			
Black Lime			1075	1104			
Gas Sand			1104	1140	Show oil & gas	1106'	
Slate			1140	1160			
Salt Sand			1160	1215	Water 1176'	1/4 bailer per hour	
					Water 1215'	1-1/2 bailer per hour	
Black Gritty Lime			1215	1280			
Slate			1280	1320	Show gas	1295'	
					Show oil	1305'	
Sand			1320	1380			
Slate & shells			1380	1420	Hole reduced from 10"	to 8" at 1407'	
Lime shell			1420	1438			
Slate & shells			1438	1500			
Maxon Sand			1500	1533	Maxon gas 1525-1533'	12 1/2 W 2"	
					1,057 M		
Total depth			1533'		NOT SHOT		



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47-059-002969

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
					FINAL OPEN FLOW - 1,356 M - Maxcon 48 Hr. E.P. 200#		
					Shut in 12-17-51 in 3" tubing.		

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Date February 18, 19 52

APPROVED United Fuel Gas Company, Owner

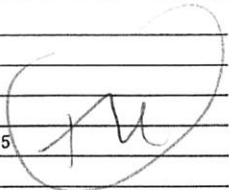
By SR Ferrell (Title) 09/24/2021  
Mgr. Civil Eng. Dept.



WW-4A  
Revised 6-07

1) Date: August 19, 2021  
 2) Operator's Well Number 806835  
 3) API Well No.: 47 - 059 - 00296

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

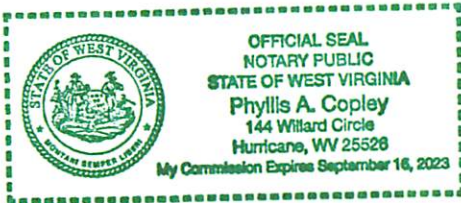
4) Surface Owner(s) to be served: (a) Name <u>First Century Bank</u> Address <u>P.O. Box 1559</u> <u>Bluefield, WV 24701</u>  (b) Name _____ Address _____  (c) Name _____ Address _____	5) (a) Coal Operator Name _____ Address _____  (b) Coal Owner(s) with Declaration Name <u>Closterman Heirs - First Century Bank</u> Address <u>P.O. Box 1559</u> <u>Bluefield, WV 24701</u>  (c) Coal Lessee with Declaration Name _____ Address _____
6) Inspector Address <u>Terry Urban</u> <u>P.O. Box 1207</u> <u>Clendenin, WV 25045</u> Telephone <u>304-549-5915</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 P.O. Box 6070  
Charleston, WV 25362  
 Telephone 304-543-6988

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Subscribed and sworn before me this 19<sup>th</sup> day of August, 2021  
Phyllis A. Copley Notary Public  
 My Commission Expires September 16, 2023

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

47-059-00296P

Well 806835

7019 1640 0000 1003 3025

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

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

Bluefield, WV 24701

**OFFICIAL USE**

Certified Mail Fee	\$3.60
Extra Services & Fees (check box, add fee as appropriate)	\$2.85
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.10
<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
<b>Total</b>	<b>\$8.85</b>

Postmark Here  
0523 03

08/20/2021

Well 806835

Sent First Century Bank (surface)

Street Closterman Heirs, First Century Bank (coal)

P.O. Box 1559

City, State Bluefield, WV 24701

PS Form 3800, October 2019

Instructions

09/24/2021



WW-9  
(5/16)

API Number 47 - 059 - 00296  
Operator's Well No. 806835

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) Jennie Creek Quadrangle Naugatuck

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  *rw*

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? \_\_\_\_\_

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 \_\_\_\_\_

Company Official (Typed Name) Jeff Mast

Company Official Title Director Production



Subscribed and sworn before me this 19th day of August, 20 21

Phyllis A. Copley Notary Public

My commission expires September 16, 2023

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WV Department of Environmental Protection

09/24/2021

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: Impact Assessment

Date: 8.24.21

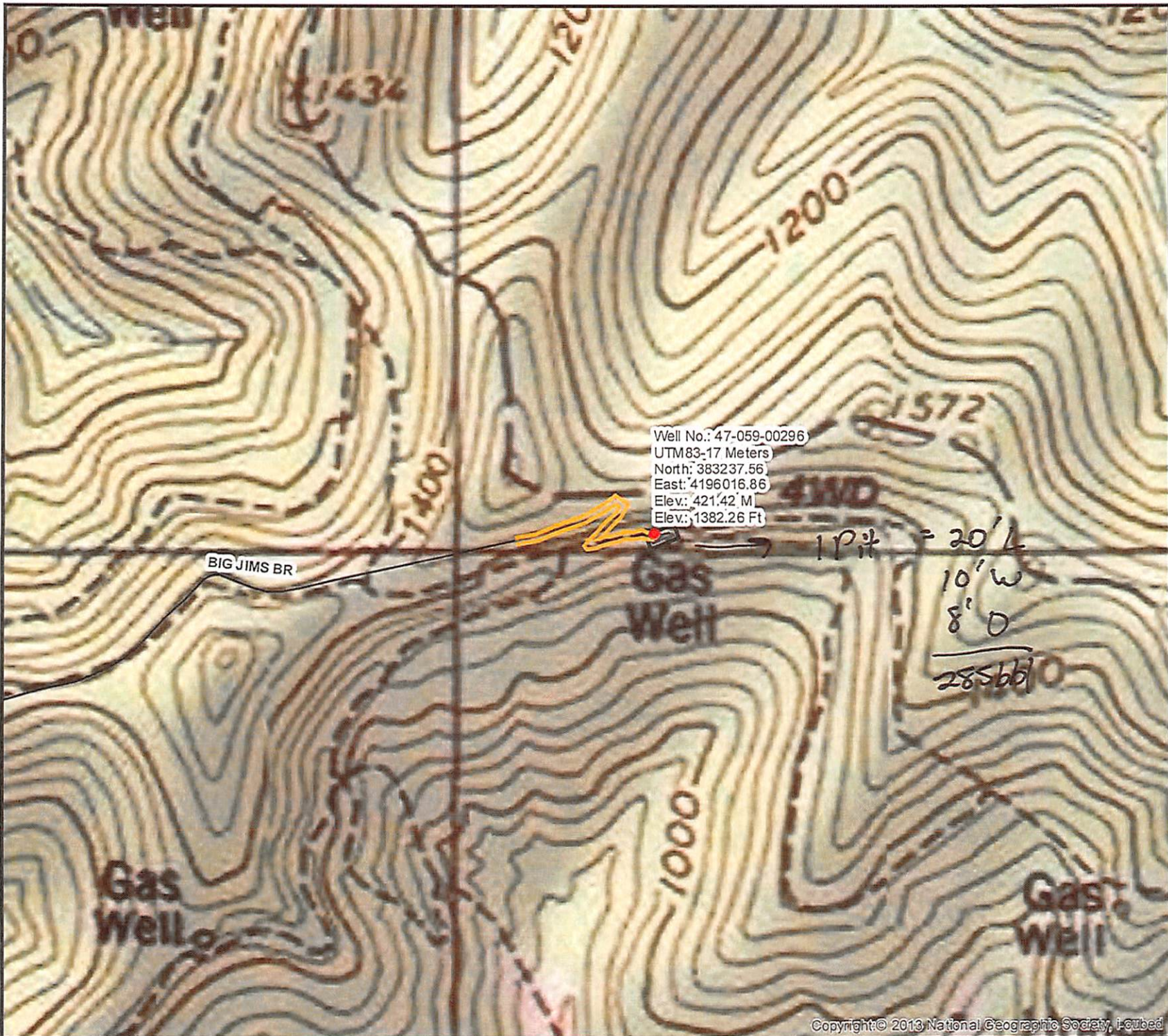
Field Reviewed? ( ) Yes ( ) No

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Well No.: 47-059-00296  
 UTM83-17 Meters  
 North: 383237.56  
 East: 4196016.86  
 Elev.: 421'42" M  
 Elev.: 1382.26 Ft

1 Pit = 20' L  
 10' W  
 8' D  
 2856610



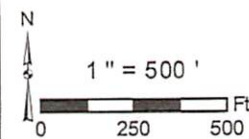
Diversified Gas & Oil Corporation  
 100 Diversified Way  
 Pikeville KY, 41051

47-059-00296

Plugging Map

Legend

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



4705900296P



WW-7  
8-30-06



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

API: 47-059-00296 WELL NO.: 6835

FARM NAME: Closterman, H.

RESPONSIBLE PARTY NAME: Diversified Production LLC

COUNTY: Mingo DISTRICT: Harvey

QUADRANGLE: Naugatuck

SURFACE OWNER: First Century Bank

ROYALTY OWNER: Diversified Production LLC

UTM GPS NORTHING: 4,196,016.8

UTM GPS EASTING: 383,237.5 GPS ELEVATION: 1382'

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

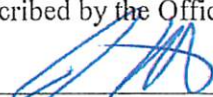
Real-Time Differential

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

Director Production  
\_\_\_\_\_  
Title

08/10/2021  
\_\_\_\_\_  
Date

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Environmental Protection



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

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**Plugging Vertical Well Work Permit (API: 47-059-00296)**

1 message

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

Wed, Sep 22, 2021 at 8:16 AM

To: "Mast, Jeff" &lt;jmast@dgoc.com&gt;, "Urban, Terry W" &lt;terry.w.urban@wv.gov&gt;, Ramona Mahon &lt;rmahon@assessor.state.wv.us&gt;

I have attached a copy of the newly issued well [permit](#) number "44-6835", **API (47-059-00296)**. 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)**

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**2 attachments**

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

 **47-059-00296 - Copy.pdf**  
2368K

**09/24/2021**