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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, May 25, 2021  
WELL WORK PLUGGING PERMIT  
Vertical Plugging

DIVERSIFIED PRODUCTION LLC  
101 MCQUISTON DRIVE  
JACKSON CENTER, PA 16133

Re: Permit approval for 9103  
47-039-01788-00-00

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: 9103  
Farm Name: DICKINSON, SALLIE J.  
U.S. WELL NUMBER: 47-039-01788-00-00  
Vertical Plugging  
Date Issued: 5/25/2021

Promoting a healthy environment.

05/28/2021

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

4703901788 P

- 1) Date March 23, 2021
- 2) Operator's  
Well No. 809103
- 3) API Well No. 47-039 - 01788

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 1,411.2ft Watershed Morris Fork Blue Creek  
District Elk County Kanawha Quadrangle Mammoth
- 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 R & J Well Services, Inc.  
Address P.O. Box 1207 Address P.O. Box 40  
Clendenin, WV 25045 Hueysville, KY 41640-0040

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

See Attached

*Operate to Core with Cement All Perfs & Oil Gas  
Bearing formations including Salt, Evaporite, Coal & Freshwater  
Zones*

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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 *Terry Urban* Date 5-11-21

05/28/2021

**PLUGGING PROGNOSIS**

API# 47-039-01788

West Virginia, Kanawha County

38.302956881627, -81.3721962664677

Nearest ER: Charleston Area Medical Center, 501 Morris Street, Charleston, WV 25301

**Casing Schedule**

10 3/4" csg @ 21'

8 5/8" csg @ 586'

7" csg @ 1866'

TD 1873'

**Completion:** Natural**Fresh Water:** 800', 920'**Gas Shows:** Salt Sand 1378', Maxon 1852'-1873'**Coal:** 60', 165'**Elevation:** 1391'

1. Notify Inspectors ~~Allen Flowers @ 304-522-8308~~, Terry Urban @ 304-549-5915, 48 hours prior to commencing operations.
2. Check and record pressures on csg.
3. Check TD w/ wireline.
4. TIH w/ tbg to 1873'. Load well as needed w/ 6% bentonite gel. Pump 121' C1A cement plug from **1873'-1752' (Maxon gas show & 7" csg seat)**.
5. TOOH w/ tbg to 1752' and pump 6% bentonite gel from 1752'-1391'. TOOH LD tbg.
6. Perf 7" csg @ 1391', 1341', 1290', 970', 920', 870', 810', 760', 636', 586', and 546'.
7. TIH w/ tbg to 1391'. Pump 113' C1A cement plug from **1391'-1278' (Elevation & Salt sand gas show)**.
8. TOOH w/ tbg to 1278'. Pump 6% bentonite gel from 1278'-970'
9. TOOH w/ tbg to 970'. Pump 220' C1A cement plug from **970'-750' (Fresh Water)**.
10. TOOH w/ tbg to 750'. Pump 6% bentonite gel from 750'-636'.
11. TOOH w/ tbg to 636'. Pump 100' C1A cement plug from **636'-536' (8 5/8" csg st)**. Monitor circulation on 8 5/8". Tag TOC. Top off as needed.
12. TOOH w/ tbg to 536'. Pump 6% Bentonite gel from 536'-215'. TOOH LD tbg.
13. Perf 7" csg @ 215', 165', 115', and 60'.
14. TIH w/ tbg to 215'. Pack off w/ wellhead. Pump 215' C1A cement plug from **215'-0 (Coal & surface)**. Monitor Returns. TOOH LD tbg.
15. Erect monument with API#, date plugged, and company name.
16. Reclaim location and road to WV-DEP specifications.

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*Henry W. White*  
5-11-21



4703901788P

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

Quadrangle Clendenin

Permit No. KAN-1788;

WELL RECORD

Oil or Gas Well Gas  
(KIND)

Company United Fuel Gas Company  
Address P. O. Box 1273; Charleston 25, W.Va.  
Farm Sallie J. Dickinson Acres 1350  
Location (waters) Morris Fork  
Well No. 9103 Elev. 1390.52  
District Elk County Kanawha  
The surface of tract is owned in fee by \_\_\_\_\_  
Address \_\_\_\_\_  
Mineral rights are owned by Kanawha Valley Bank  
Cr: Sally Dickinson Chase Address Charleston, W. Va.  
Drilling commenced 7-24-61  
Drilling completed 8-22-61  
Date Shot \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
With \_\_\_\_\_  
Open Flow 36 /10ths Water in 7 Inch  
\_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch  
Volume 2,588,000 - Maxon Cu. Ft.  
Rock Pressure 500 lbs. 24 hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
WELL ACIDIZED \_\_\_\_\_  
WELL FRACTURED \_\_\_\_\_

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer _____
16			Anchor
13			
10 3/4		21'	Size of _____
8 5/8		586	7" x 8-5/8"
7 5/8		1866	Depth set _____
5 3/16			1840'
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_

COAL WAS ENCOUNTERED AT 60 FEET 36 INCHES  
165 FEET 72 INCHES FEET INCHES  
FEET INCHES FEET INCHES

RESULT AFTER TREATMENT

ROCK PRESSURE AFTER TREATMENT

Fresh Water 800 Feet 920 Salt Water 1378 Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Surface			0	20	Water 800'	1/3 bailer	
Slate			20	60			
Coal			60	63	Water 920'	1 bailer	
Slate			63	140			
Sand			140	165	Water and gas 1378'		
Coal			165	171			
Slate			171	200	Gas 1852'	17/10 W 2" 17+ M	
Sand			200	270			
Slate & Shells			270	425	Gas 1856'	17/10 W 3" 39L M	
Sand			425	510			
Shells			510	760	Gas 1870'	52/10 Merc. 3" 2,524 M	
Sand			760	820			
Slate & Shells			820	1150	Gas 1873'	35/10 W 7" casing	
Salt Sand			1150	1422			
Slate			1422	1424	NATURAL		
Sand			1424	1600			
Slate			1600	1602			
Sand			1602	1740			
Red Rock			1740	1752	Shut in 8-22-61 in _____ casing		
Shells			1752	1790			
Red Rock			1790	1820			
Sand			1820	1871			
Maxon Sand			1871	1873			
Total Depth			1873'				

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MAY 23 2021



WW-4A  
Revised 6-07

1) Date: March 23, 2021  
 2) Operator's Well Number 809103  
 3) API Well No.: 47 - 039 - 01788

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

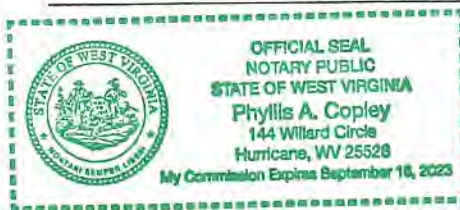
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>H. C. Dickinson LLC C/O MC Hager Inc.</u>	Name <u>None</u>
Address <u>P.O. Box 14744</u>	Address _____
<u>Richmond, VA 23221</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>H. C. Dickinson LLC C/O MC Hager Inc.</u>
_____	Address <u>P.O. Box 14744</u>
_____	<u>Richmond, VA 23221</u>
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Terry Urban</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 1207</u>	Name <u>Kanawha Energy Company</u>
<u>Clendenin, WV 25045</u>	Address <u>P.O. Box 11174</u>
Telephone <u>804-549-5915</u>	<u>Charleston, WV 25311</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 29th day of March, 2021  
Phyllis A. Copley Notary Public  
 My Commission Expires September 16, 2023

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).

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Well 809103

47-039-01788

7019 1640 0000 1003 4961

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Charleston, WV 25324

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Certified Mail Fee	\$3.60		0523
\$		\$2.85	03
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	\$	\$0.00	
Postage	\$1.80		
\$		\$8.25	

Postmark Here  
05/03/2021

809103 and 809083 P&A  
 Kanawha Energy Company  
 P.O. Box 1174  
 Charleston, WV 25311  
 25324

for Instructions

7019 1640 0000 1003 4978

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

Richmond, VA 23221

**OFFICIAL USE**

Certified Mail Fee	\$3.60		0523
\$		\$2.85	03
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	\$	\$0.00	
Postage	\$1.80		
\$		\$8.25	

Postmark Here  
05/03/2021

809103 and 809083 P&A  
 H. C. Dickinson LLC  
 C/O MC Hager Inc.  
 P.O. Box 14744  
 Richard, VA 23221

for Instructions

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05/28/2021



WW-9  
(5/16)

API Number 47 - 039 - 01788  
Operator's Well No. 809103

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) Morris Fork blue Creek (0505000708) Quadrangle Mammoth

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 47-119-00724 )
- 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.

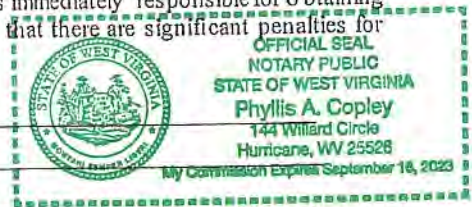
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations 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 [Signature]

Company Official (Typed Name) Jeff Mast

Company Official Title Director Production



Subscribed and sworn before me this 29th day of March, 2021

Phyllis A. Copley Notary Public

My commission expires September 16, 2023

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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:

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WV Department of
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Title: Inspector O&G

Date: 5-11-21

Field Reviewed? (X) Yes ( ) No





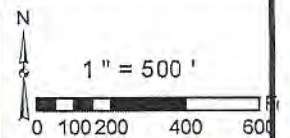
Diversified Gas & Oil  
Corporation  
100 Diversified Way  
Pikeville KY, 41051

47-039-01788

Plugging Map

### Legend

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



Well No.: 47-039-01788  
UTM83-17, Meters  
North: 467261.04  
East: 4239617.13  
Elev.: 430.26 M  
Elev.: 1411.25 Ft

By 2011  
2012  
10' x 8' Deep

CAMPBELL'S CREEK DR

4703901788P



