

### 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

Thursday, January 5, 2023 WELL WORK PLUGGING PERMIT Vertical Plugging

DIVERSIFIED PRODUCTION LLC 101 MCQUISTON DRIVE

**JACKSON CENTER, PA 16133** 

Re:

Permit approval for 6113 47-043-02051-00-00

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:

Farm Name: PORTER, M. F.

U.S. WELL NUMBER: 47-043-02051-00-00

Vertical Plugging

Date Issued: 1/5/2023

# PERMIT CONDITIONS 4704302051

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.

WW-4B Rev. 2/01

1) Date November 29 , 20 22	
2)Operator's	
Well No. 806113	
3) API Well No. 47 043 02051	

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

4) 5) 6)	(If "Gas, Production X or Un  Location: Elevation 761.15 feet  District Union  Well Operator Diversified Production, LLC	d injection/ Waste disposal/ derground storage) Deep/ ShallowX  Watershed Sand Fork of Sugartree Fork  County Lincoln Quadrangle Griffithsville
6)	District Union  Well Operator Diversified Production, LLC	County Lincoln Quadrangle Griffithsville
6)	District Union  Well Operator Diversified Production, LLC	County Lincoln Quadrangle Griffithsville
·	Well Operator Diversified Production, LLC	
·		
·		7) David Charles Shafer
8)	Address 414 Summers Street	7) Designated Agent Charles Shafer Address 414 Summers Street
8)	Charleston, WV 25301	Charleston, WV 25301
8)	Onumoton, TTV 20001	Grandoton, TV 20001
	Oil and Gas Inspector to be notified	9) Plugging Contractor
-,	Name Terry Urban	Name R & J Well Services
	Address P.O. Box 1207	Address P.O. Box 40
	Clendenin, WV 25045	Hueysville, KY 41640-0040
	See Att	ached

Lease No. FEE Map Square 42-47 47-043-0301

RECORD OF WELL No.	on the	CASI	NG AND TU	BING	TEST BEFORE SHOT
M. F. Porter Surface 110	Acres	Sizo	Used in Drilling	Left in Well	7 of Water in 2 in
in Union	District	16			of Merc. inir
Lincoln	County	13			Volume Cu.
Branchland Field, State of	W. Va.	10	19*1	19*1	TEST AFTER SHOT
		×1-4	216*0	Pulled	of Water inir
Itig Commenced	192	U 5-8	1624 8	1624*8	10ths of Merc. ini
itig Completed	102	5 3-16	Mone	None	10ths VolumeCu.
Drilling Commenced Feb. 22,	192 7	4 7-8		10	100k pressure 295
Drilling Completed April 18,	192 7	4	**	10	Date shot April 13, 1927
Drilling to cost per foot		3	2280*11	2280*11*	Size of Torpedo 40- QtaO
Contractor is: Roy & McComas		2			Oil Flowed bbls, 1st 24 h
Address: Huntington, W.	Ia.		SHUT IN		Oil Pumped bbls, 1st 24 1
		Date	pril 18,		
Driller's Names A. D. Merket	*	3	ç ee	Tubing or Casing	Well abundoned and
Clark Starkey			ucker3x6-5		Plugged19_
		Kind of I	PackerO	s -Anchor	
		1	Setf		
		2nd Perf.	Setf	rom	

Formation	Top	Bottom	Thickness	Remarks
Surface & Grave.	0	20	20	Producing gas from Berea Sand
Black Slate	20	50	30	Between 2196 ft. and 2201 feet.
Sand	50	75	25	Detween 2190 It. and 2201 leets
Slate	75	85	10	3"x6-5/8x16" Oil Well Supplie
Coal	85	88	3	The second of th
				Gas Anchor Packer set on 3" tubing
Sand	- 88	130	42	394 feet from bottom .
Slate	130	150	20	-1 <i>L</i>
Sand	150	177	27	8 2 26-5/8 x10 oil Well Supply
Slate	177	200	23	Bottom hole packer run on bottom
Sand	200	230	30	6-5/8" 20- # Casing.
Slate & Sand	230	800	570	* *
Gas Sand	800	812	12	7.675 # Lap Welded line pipe
Salt Sand	812	1293	481	used as tubing.
Black Lime	1293	1325	37	
Sand & Slate	1325	1477	152	Hole full water at 800 ft.
Little Lime	1477	1497	20	
Pencil Cave	1497	1507	10	Hard sand 1850 ft. to 1911 ft.
Big Lime	1507	1707	200	good place to set packer.
Injun Sand	1707	1787	.80	at- 1873'V
Slate, Shell & Sand	1787	2176	589	
Brown Shale	2176	2196	20	*
Berea Sand	2196	2216	20	
TOTAL DEPTH		2266		
		2200 P		
LP/				
, <del>-</del> ,				

## **Plugging Prognosis**

API#: 4704302051

West Virginia, Lincoln Co.

Lat/Long: 38.19716, -81.99178

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

### Casing Schedule:

10" @ 19'

6-5/8" @ 1624' (6-5/8"x8-1/4"x10" Oil well supply bottom hole packer)

3" @ 2280' (3"x6-5/8" OWS Anchor packer set @ 1872')

TD @ 2280'

Completion: 2196'-2201'

Fresh Water: None listed Salt Water: None listed Gas Shows: 2196'-2201' Oil Shows: None listed Coal: None listed Elevation: 741'

- 1. Notify Inspector Terry Urban @ 304-549-5915, 48 hrs prior to commencing operations.
- 2. Check and record pressures on csg/tbg.
- 3. Release packer, pull tbg and lay down tbg.
- 4. Check TD w/ wireline.
- Run in to depth @ 2201'. Kill well as needed with 6% bentonite gel and fill rat hole. Pump at least 10 bbls gel. Pump 105' C1A/Class L cement plug from 2201' to 2096' (Completion zone amd gas show plug). Tag TOC. Top off as needed.
- 6. TOOH w/ tbg to 2096'. Pump 6% bentonite gel from 2096' to 741'.
- 7. Release 6-5/8" packer, pull casing and lay down.
- 8. If packer won't release, Free point 6-5/8" csg. Cut and TOOH.
  - a. TIH w/ tbg to 1674'. Pump 100' C1A/Class L cement plug from 1674' to 1574' (6-5/8" casing shoe plug).
  - b. Set 100' C1A/Class L cement plug across csg cut. 50' in/out of cut. **Do not omit any plugs** listed below. Perforate as needed.
- 9. TOOH w/ tbg to 741'. Pump 100' C1A/Class L cement plug from 741' to 641' (Elevation plug).
- 10. TOOH w/ tbg to 641'. Pump 6% bentonite gel from 641' to 100'.
- 11. TOH w/ tbg to 100'. Pump 100' C1A/Class L cement plug from 100' to Surface (Surface plug).
- 12. Reclaim location and well road to WV DEP specifications and erect P&A well monument.

WW-4A Revised 6-07

1)	Date:	November 29	, 2022			
2)	Operator's Well Number 806113					
3)	API Well l	No.: 47 -	043	(4)	02051	

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

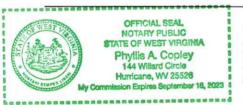
4)	Surface Owr	ner(s) to be served:	5) (a) Coal Operator		
	(a) Name	Henson Harless, Jr.	Name	None	
	Address	416 Merritts Creek	Address		
		Griffithsville, WV 25521			
	(b) Name		(b) Coal Ow	ner(s) with Declaration	
	Address		Name	Pocahontas Land Corporation	
			Address	P.O. Box 1517	
				Bluefield, WV 24701	
	(c) Name		Name		
	Address		Address		
6)	Inspector	Terry Urban	(c) Coal Les	see with Declaration	
	Address	P.O. Box 1207	Name	No Declaration	
		Clendenin, WV 25045	Address		
	Telephone	304-549-5915			

## TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

- 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:	Auslin Suller Just Kloth
Its:	Plugging Manager
Address	414 Summers Street
	Charleston, WV 25301
Telephone	304-419-2562

Subscribed and sworn before me this day of Mulmbu 3032

My Commission Expires September 16, 2023

Notary Public

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 depprivacyoffice®wv.gov.

Well 806/13 47-043-02051



RECEIVED Office of Oil and Gas

DEC 0 5 2022

WV Department of Environmental Protection WW-9 (5/16)

API Number 47 - 043 - 02051 Operator's Well No. 806113

## 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
Operator Name Diversified Production, LLC OP Code 494524121  Watershed (HUC 10) Sand Fork of Sugartree Fork Quadrangle Griffilhsville
Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes No
If so, please describe anticipated pit waste:  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 Disposel (Supply form WW-9 for disposal location)
Other (Explain All fluid recovered will be hauled to Pleasant View Tank Battery and disposed of properly
N/A
Will closed loop systembe 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 I, 2016, by the Office of Oil and Cas 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 award that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.
Company Official Signature 144 Willard Circle
Company Official (Typed Name) Austin Sutler
Company Official Title Plugging Manager
Subscribed and sworn before me this 29th day of November, 2022  Pulle a. Capley Notary Public

Operator's Well No.	806113	
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## 4704302051

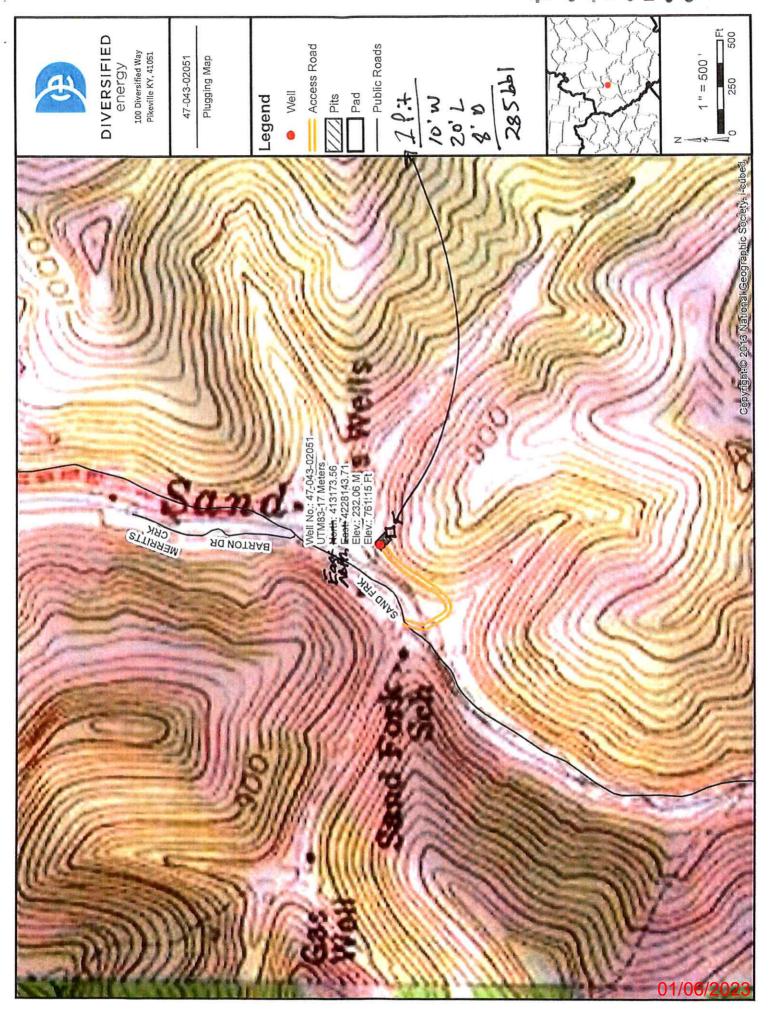
Proposed Revegetation Trea	tment: Acres Disturbed 1 +/-	Preveg etation pl	I
Lime 3	Tons/acre or to correct to pH	6.5	
Fertilizer type	10-20-20 or equivalent		
Fertilizer amount_	lbs	/acre	
Mulch 2 Tons		те	
	<u>Şeed</u>	<u>Mixtures</u>	
Te	emporary	Perma	nent
Seed Type	lbs/acre	Seed Type	lbs/acre
Red Fescue	40	Red Fescue	15
Alsike	5	Alsike Clover	5
Annual Rye	15		
Photocopied section of invo  Plan Approved by:	lved 7.5' topographic sheet.	Ray liter	
Comments: Z//S	_ no ver	ageur.	
Title: Taysale		Date: 12/s/	/2e2Z



## West Virginia Department of Environmental Protection Office of Oil and Gas

## WELL LOCATION FORM: GPS

WELL LOCATION FORM: GFS					
<sub>API:</sub> 47043-02051	WELL NO.:_8	06113			
FARM NAME: M F PORTER					
RESPONSIBLE PARTY NAME:		on LLC			
COUNTY: Lincoln	DISTRICT: Uni	on			
QUADRANGLE: Griffithsville					
SURFACE OWNER: Henson	Harless Jr.				
ROYALTY OWNER: Diversif	ied Production LLC				
UTM GPS NORTHING: 42281					
UTM GPS EASTING: 413173.		ON: 761.15			
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					
	me Differential				
Mapping Grade GPS X : Post	Processed Differential X				
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.					
Digitally signed by Austin Sutter Date: 2022.07.21 14:55:19 -04'00'	Plugging Manager	7/21/2022			
Signature	Title	Date			





## 4704302051

To Whom it May Concern,

Attached is an amendment that has been submitted to Chief of the office of oil and gas of the West Virginia Department of Environmental Protection. The subject well is listed within the letter to the Chief.

Thank You.





11/29/2022

James Martin Office of Oil and Gas 601 57<sup>th</sup> Street, SE Charleston, WV 25304 (304)926-0450

Mr. Martin,

Due to our cement provider, LaFarge Holcem, discontinuing the manufacturing of Class A cement, DGOC will be utilizing Class L cement to plug the following well:

47-043-02051

M F Porter 1

Well 806113

Attached is the approved variance order for use of Class L cement.

Sincerely,

Austin Sutler Asset Retirement Manager



west virginia department of environmental protection

Office of Oil and Gas 601 57<sup>th</sup> Street, SE Charleston, WV 25304 Phone (304) 926-0450 Harold D. Ward, Cabinet Secretary dep.wv.gov

## BEFORE THE OFFICE OF OIL AND GAS DEPARTMENT OF ENVIRONMENTAL PROTECTION STATE OF WEST VIRGINIA

IN THE MATTER OF A VARIANCE FROM	)		
LEGISLATIVE RULE 35CSR4	)	ORDER NO.	2022-13
SECTION 14.1. AND LEGISLATIVE RULE	)		
35CSR8 SECTION 20.1,	)		
RELATING TO THE CEMENTING	)		
OF OIL AND GAS WELLS	)		

### REPORT OF THE OFFICE

In response to industry requests, the West Virginia Department of Environmental Protection, Office of Oil and Gas has reviewed the proposed use of American Petroleum Institute (API) Class L cement to be used in place of API Class A cement for well plugging.

## FINDINGS OF FACT

- On July 28, 2022, Diversified Gas & Oil Co. (DGO) submitted a variance request from Legislative Rule 35CSR4 for the use of API Class L cement in place of API Class A cement, relating to the plugging of conventional wells.
- Laboratory analysis submitted by DGO on July 28, 2022, indicates API Class L cement is comparable to API Class A cement and thereby satisfies the requirements of the West Virginia Code.
- 3. Contemporaneously, the Chief of the Office of Oil and Gas also chose to consider a variance to Legislative Rule 35CSR8 Section 20.1., for the use of API Class L cement in place of API Class A cement, relating to the plugging of horizontal wells.

Promoting a healthy environment.

 On August 18, 2022, the Office of Oil and Gas provided public notice of acceptance of public comments on the variance consideration. During the 20-day public comment period, no comments were received.

## CONCLUSIONS OF LAW

Pursuant to Article 6 and Article 6A, Chapter 22 of the Code of West Virginia, the Office of Oil and Gas has jurisdiction over the subject matter, and the persons interested therein, and jurisdiction to promulgate the hereinafter prescribed Order.

Pursuant to Legislative Rule 35CSR4, Section 18 and Legislative Rule 35CSR8, Section 14, the Chief of the Office of Oil and Gas may grant a variance from any requirement of these rules.

### ORDER

It is ordered that the Class L cement product approved and monogramed by API is approved for use in place of API Class A cement for well plugging subject to the provisions of Legislative Rule 35CSR4 and Legislative Rule 35CSR8.

Dated this, the 13th day of September, 2022.

IN THE NAME OF THE STATE OF WEST VIRGINIA

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

James Martin, Chief Office of Oll and Gas



Kennedy, James P < james.p.kennedy@wv.gov>

## plugging permits issued 4704300161 04300173 04302051 04302063

1 message

Kennedy, James P <james.p.kennedy@wv.gov>

Thu, Jan 5, 2023 at 2:11 PM

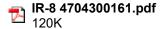
To: Brian Warden <a href="mailto:style-red">brian.warden@wv.gov></a>, Austin Sutler <a href="mailto:asutler@dgoc.com">asutler@dgoc.com</a>, Phyllis Copley <pcopley@dgoc.com>, guybrowning@lincolncountywv.org

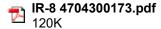
To whom it may concern, plugging permits have been issued for 4704300161 04300173 04302051 04302063.

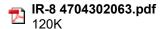
James Kennedy

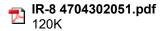
WVDEP OOG

### 8 attachments









**4704300173.pdf** 2238K

4704300161.pdf 2900K

4704302051.pdf 2189K

4704302063.pdf 2207K