

## 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

Friday, November 18, 2022 WELL WORK PLUGGING PERMIT Vertical Plugging

DIVERSIFIED PRODUCTION LLC 101 MCQUISTON DRIVE

JACKSON CENTER, PA 16133

Re:

Permit approval for 1987 47-043-02047-00-00

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: 1987

Farm Name: THOMAS, J. W.

U.S. WELL NUMBER: 47-043-02047-00-00

Vertical Plugging

Date Issued:

## 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.

47 0 4 3 0 2 0 4 7 p

1) Date September 26 , 20 22 7 p

2) Operator's

Well No. 801987 3) API Well No. 47-043 - 02047

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

### TO DITTE AND ARANDON

	APPLICATION FOR A PERM	IIT TO PLUG AND ABANDON
4)	Well Type: Oil/ Gas X/ Liquid	injection/ Waste disposal/
	(If "Gas, Production $X$ or Und	lerground storage) Deep/ ShallowX
Ε.\	Location: Elevation 976.75 feet	Watershed Sand Fork of Sugartree Fork
5)	District Union	County Lincoln Quadrangle Griffithsville
6)	Well Operator Address  Address  Diversified Production LLC  414 Summers Street  Charleston, WV 25301	7) Designated Agent Address  Charles Shafer 414 Summers Street Charleston, WV 25301
8)	Oil and Gas Inspector to be notified	
	Name Terry Urban	Name Next LVL Energy Address 1951 Pleasantview Ridge Road
	Address P.O. Box 1207	Ravenswood, WV 26164
	Clendenin, WV 25045	Navenswood, vvv 20101
10)	See Atta	ached  Shirth Commonwell is as follows:
	SEE Prog	Page
	fication must be given to the district of can commence.	oil and gas inspector 24 hours before permitted
	order approved by inspector Muya	) Mule 10-3.22

### **Plugging Prognosis**

4704302047

API#: 4704302047 West Virginia, Lincoln Co.

Lat/Long: 38.19048, -81.97708

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

# Well Report is very bad quality, using information from 4704302046 as offset

### Casing Schedule:

10" @ 33'

8-1/4" @ between 200'-300' (May have been pulled)

6-5/8" @ 1700'-1900' (Packer or cmt information unknown) - Willty to pull of Rupa CBL

3" @ ~2440' (3"x6-5/8" Parmaco tbg anchor packer)

TD @ 2440'

Completion: Possibly Shot @ 2430' and again 50'-100' above bottom shot.

Fresh Water: Report not legible Salt Water: Salt Sand - 950'-1510' Gas Shows: Report not legible Oil Shows: Report not legible Coal: Report not legible

Elevation: 976' from data recorded for new map

Delatorto Coler with Cement All DileGDS Formation including Solt, Elevation, Coals & Freshnotic May Della 10.3.22

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 and locate bottom of 6-5/8" csg and TOC behind 6-7
- 5. Run in to depth @ 2440'. Kill well as needed with 6% bentonite gel and fill rat holes sump at least 10 bbls gel. Pump 200' C1A/Class L cement plug from 2440' to 2440' (Completions one and gas bearing formation plug). Tag TOC. Top off as needed.
- 6. TOOH w/ tbg to 2240'. Pump 6% bentonite gel from 2240' to the 6-5/8" csg.
- 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 50' below casing shoe. Pump 100' C1A/Class L cement plug across casing shoe (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 1000'. Pump 150' C1A/Class L cement plug from 1000' to 850' (elevation and salt water/zone plug).
- 10. TOOH w/ tbg to 850'. Pump 6% bentonite gel from 850' to 100'.
- 11. Check for 8-1/4" csg with wireline.
- 12. If 8-1/4" casing is still in hole, set plug 100' C1A/Class L cement plug from 50' below casing shoe to 50' above casing shoe.
- 13. If needed, free point 8-1/4" csg, cut, and TOOH. 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.
- 14. TOOH w/ tbg to 100'. Pump 100' C1A/Class L cement plug from 100' to Surface (surface plug).
- 15. Reclaim location and well road to WV DEP specifications and erect P&A well monument.

	HELL No. 1979	on the	CAS	ING AND TUE	IING	YEST BEFORE SHOT
RECORD OF W	Furm of	Acres	BIZE	DRILLING	LEFT IN WELL	of Water ininc
to ton	Buim or	District	16			10ths of Merc. in 211 inc
Til coly		County	13			Volume
Branc'd.	Field, State of	7. Va.	10	27.17%	47.17.0	TEST AFTER SHOT
			8 1-4	3.41	7	of Water in line
Rig Commenced P		192	6 5-8		ר י	10ths of Merc. in inc
Rig Completed		102	5 8-16			Volume
	٠.,	102	4 7-8			Rock Pressure
Drilling Completed	· · · · · · · · · · · · · · · · · · ·	102	4			Date Shot
Drilling to cost 3.00	per foot		8	2014	1 377 1	Size of Torpedo
Continue to 1			2	SHUT IN		Oil Flowedbbis. 1st 24 h
Address:	, , , ,	*	- Name	**		Oil Pumpedbbls, 1st 24 h
			Date		Tubing of	Well abandoned and
Drillers' Numes				1 scker 711	2000	
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FORMATION	ТОР	BOTTOM	THICKNESS	REMARKS
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WW-4A Revised 6-07

1) I	Date:	September 26, 202	22			
2) (	Operator's Well Number 801987					
D) A	DI Well No	. 17	043	_	02047	

# 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 (a) Name	ner(s) to be served: Orville Wiseman	5) (a) Coal Operator Name	None
	Address	P.O. Box 214	Address	
		Pinch, WV 25156		
	(b) Name		(b) Coal Ow	ner(s) with Declaration
	Address		Name	See Attached List
			Address	
	(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		
	700	-		

## 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.

144 Willard Circle Hurricane, WV 25526 Av Commission Expires September 16, 2023	Its: Address
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l Operator	Diversified Production, LLC	1 A DECENED
1	Austin Sutler Cust	RECEIVED  RECEIVED  Gas
	Plugging Manager	0.000.000.0000
lress	414 Summers Street	001 06 2022
	Charleston, WV 25301	
ephone	304-419-2562	WV Department of Environmental Protection
1		Environmental Folection

Subscribed and sworn before me this 28th day of Septem key, 2022 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 depprivacyoffier@wv.gov.

# 47043020 4704302047*P*

COAL OWNERS
Well 801987
47-043-02047

Orville Wiseman P.O. Box 214 Pinch, WV 25156

Joan McMellon 4642 Midway Road Yawkey, WV 25573

Judith McMellon 4641 Midway Road Yawkey, WV 25573

Dexter Rabourn 805 Wingate Court Covington, KY 41017

Katherine Kilburn 4933 Straight Fork Road Yawkey, WV 25573

> RECEIVED Office of Oil and Gas

OCT 06 2022

WV Department of Environmental Protection

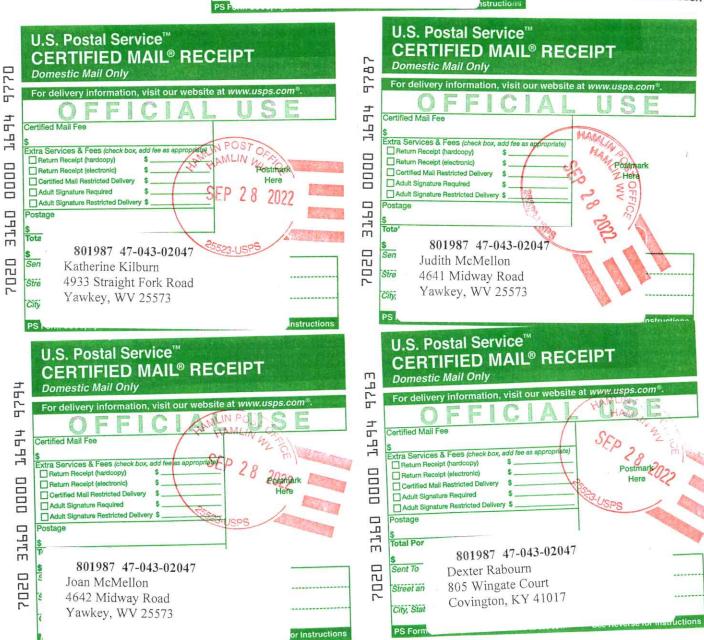
# Well 801987 47-043-020478



RECEIVED Office of Oil and Gas

SEP 29 2022

WV Department of Environmental Protection



WW-9 (5/16)

API No.

043

02047

Operator's Well No. 801987

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

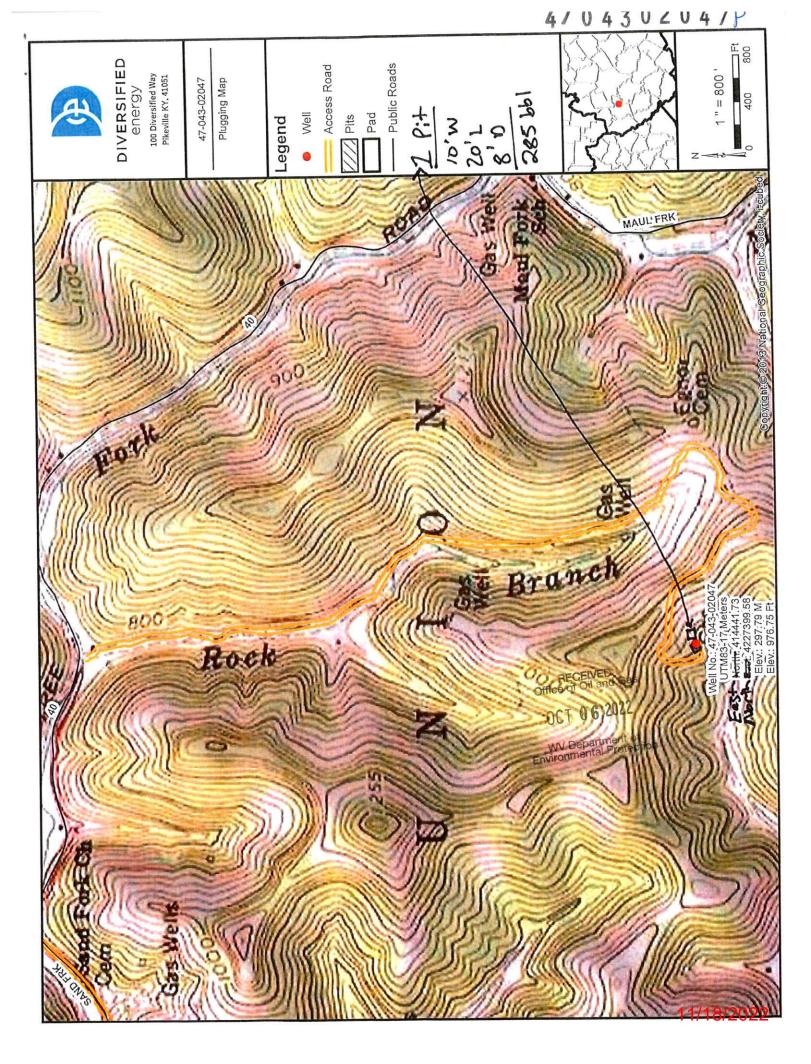
Operator Name_Diversified Production LLC OP Code 494524121
Watershed (HUC 10) Rock Fork of Sugartree Fork Quadrangle Griffithsville
Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes No V
Will a pit be used? Yes No No
If so, please describe anticipated pit waste:  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)  Reuse (at API Number)
and the second s
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 systembe 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
-If oil based, what type? Synthetic, petroleum, etc.  Additives to be used in drilling medium?  Drill outlines disposalmethod? Leave in pit, landfill, removed offsite, etc.
Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc
If the in mit and plan to collidify 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 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 o btaining 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 Title  Plugging Manager  Plugging Manager
Subscribed and swom before me this 38th day of September, 2022  Notary Public
My commission expires Suptimble 16, 2023

	tment: Acres Disturbed		Н
Lime 3	Tons/acre or to corre	ect to pH 6.5	
Fertilizer type	10-20-20 or equivalent	8	
Fertilizer amount_		lbs/acre	
Mulch_2		Tons/acre	
		Seed Mixtures	
Т	Cemporary	Pern	nanent
Seed Type	lbs/acre	Seed Type	lbs/acre
Red Fescue	40	Red Fescue	15
Alsike	5	Alside Clover	5
Annual Rye	15		
provided). If water from th	ne pit will be land applied,	and application (unless engineered plans inc provide water volume, include dimensions (	luding this info have been L, W, D) of the pit, and d
provided). If water from th (L, W), and area in acres, of Photocopied section of inv	ne pit will be land applied, jof the land application area	provide water volume, include dimensions (	р, т, р) статори,
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provided). If water from th (L, W), and area in acres, of Photocopied section of inv	ne pit will be land applied, jof the land application area	et.	р, т, р) статори,
provided). If water from th (L, W), and area in acres, or	ne pit will be land applied, jof the land application area	et.	PECENTED.
provided). If water from th (L, W), and area in acres, of Photocopied section of inv	ne pit will be land applied, jof the land application area	et.	RECEIVED Office of Oil and Gas  OCT 0 6 2022  WV Department of
provided). If water from th (L, W), and area in acres, of Photocopied section of inv	ne pit will be land applied, jof the land application area	et.	RECEIVED Office of Oil and Gas
provided). If water from th (L, W), and area in acres, of Photocopied section of inv	ne pit will be land applied, jof the land application area	et.	RECEIVED Office of Oil and Gas  OCT 0 6 2022  WV Department of
provided). If water from th (L, W), and area in acres, of Photocopied section of inv	ne pit will be land applied, jof the land application area	et.	RECEIVED Office of Oil and Gas  OCT 0 6 2022  WV Department of
provided). If water from the (L, W), and area in acres, or Photocopied section of inverse Plan Approved by:  Comments:	ne pit will be land applied, jof the land applied, jof the land application area volved 7.5' topographic she	et.	RECEIVED Office of Oil and Gas  OCT 0 6 2022  WV Department of
provided). If water from th (L, W), and area in acres, on Photocopied section of inv	ne pit will be land applied, jof the land applied, jof the land application area volved 7.5' topographic she	et.	RECEIVED Office of Oil and Gas  OCT 0 6 2022  WV Department of



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

WELL LOCATION FORM: GPS					
API: 4704302047	WELL NO.:	987			
FARM NAME: J W THOMA	S				
RESPONSIBLE PARTY NAME:	Diversified Product	ion LLC			
COUNTY: Lincoln	Ur	nion			
QUADRANGLE: Griffithsville	9				
SURFACE OWNER: Orville \	Viseman				
ROYALTY OWNER: Dextor Arthur and etal					
UTM GPS NORTHING: 42273	99.58				
UTM GPS EASTING: 414441.	73 GPS ELEVA	TION: 976.75'			
height above mean sea lev	a plugging permit or assigned s will not accept GPS coordina 17 North, Coordinate Units: rel (MSL) – meters.	nates that do not meet meters, Altitude:			
<ol><li>Data Collection Method:</li></ol>		RECEIVED Office of Oil and Gas			
Survey grade GPS: Post Pro		OCT 06 2022			
Real-Ti	me Differential X	WV Department of Environmental Protection			
Mapping Grade GPS X : Post Processed Differential  Real-Time Differential  WW Department of Environmental Protection					
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 Sutler Date: 2022.08.25 13:45:13 -04'00'	Plugging Manager	7/21/2022			
Signature	Title	Date			



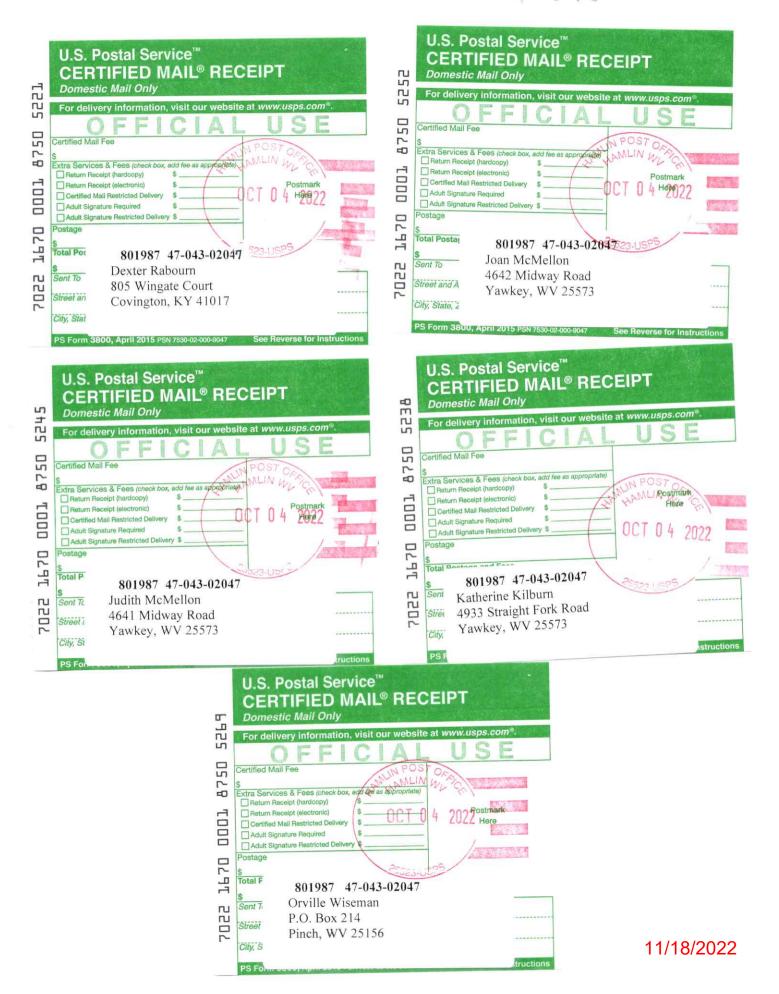


# 4704302047

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.





10/4/2022

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:

47-043-02047 J W Thomas 2

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, WW 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 Oil and Gas



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

### Plugging permits issued 4704300748, 04302046, 04302047

1 message

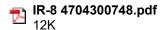
**Kennedy, James P** <james.p.kennedy@wv.gov> Fri, Nov 18, 2022 at 9:29 AM To: Austin Sutler <asutler@dgoc.com>, Phyllis Copley <pcopley@dgoc.com>, Terry W Urban <terry.w.urban@wv.gov>, guybrowning@lincolncountywv.org

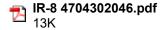
To whom it may concern, plugging permits have been issued for 4704300748, 04302046, 04302047.

James Kennedy

WVDEP OOG

### 6 attachments







TR-8 4704302047.pdf 12K

**4704302046.pdf** 3601K

4704302047.pdf 3307K