

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, May 30, 2025 WELL WORK PLUGGING PERMIT Vertical Plugging

DIVERSIFIED PRODUCTION LLC 101 MCQUISTON DRIVE

JACKSON CENTER, PA 16133

Re: Permit approval for 22 47-087-02209-00-00

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: 22 Farm Name: JACKSON, JNO T. U.S. WELL NUMBER: 47-087-02209-00-00 Vertical Plugging Date Issued: 5/30/2025

Promoting a healthy environment.



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. <u>Failure to adhere to the specified permit</u> conditions may result in enforcement action.

CONDITIONS

- 1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
- 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. 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.

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WW-4B Rev. 2/01	1) Date May 12 , 20 25 2) Operator's Well No. JNO T JACKSON 1 3) API Well No. 47-087 -02209
DEPARTMENT OF ENVI	EST VIRGINIA RONMENTAL PROTECTION OIL AND GAS
APPLICATION FOR A PERI	MIT TO PLUG AND ABANDON
	d injection/ Waste disposal/ derground storage) Deep/ Shallow 🔽
5) Location: Elevation 670.38	Watershed Hurricane Creek
District Geary	County Roane Quadrangle Clo 7.5
6) Well Operator Diversified Production, LLC	7) Designated Agent Chris Veazey
Address 414 Summers Street	Address 414 Summers Street
Charleston, WV 25301	Charleston, WV 25301
8) Oil and Gas Inspector to be notified Name Cruise Lawson Address 347 Main St.	9) Plugging Contractor Name Next LVL Energy (Diversified Owned)
Spencer, WV 25288	Address 104 Helliport Loop Rd Bridgeport, WV 25330

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 Environmental Protection

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

Work order approved by inspector Cruise Lawson Bandwards Constants and Cruise Lawson Constants and Cruise Lawson Constant and Cru	
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Plugging Prognosis

Cruise Lawson Digitally signed by: Cruise Lawson CN = Cruise Lawson email = cruise.a.lawson@wv.gov C = AD Date: 2025.05.12 14:02:44 -04'00'

API #: 47-087-02209 West Virginia, Roane County Lat/Long - 38.556017, -81.320136 Nearest ER: Charleston Area Medical Center: Emergency Room - 501 Morris St, Charleston, WV 25301

Casing Schedule

Conductor (unknown diameter) @ 10' – No Cementing and/or Packer Information 10-1/4" @ 56' – No Cementing and/or Packer Information 8-1/4" @ 486' – Pulled 6-5/8" @ 1453' – No Cementing Information – notes say "4 x 6 5/8" 5-3/16" @ ???? – No Cementing Information – 6-5/8 x 5-3/16 Hook Wall Packer @ 1455' & 3 x 5-3/16 x 24 four step packer TD @ 1615'

Completion: Not Shot

Fresh Water: None Reported Salt Water: None Reported Gas Shows: 1070', 1573'-1611' Oil Shows: 900' Coal: 481'-485' Open Mine: None Reported Elevation: 664'

- Notify Inspector Cruise Lawson @ 681-467-9141, 48 hrs prior to commencing operations.
- 2. MIRU service rig and ancillary equipment.
- 3. Check and record pressures on csg/tbg. Kill well as necessary with fresh water or brine water.
- 4. Check TD w/ sandline/tbg.
- 5. TOOH w/ any rods and/or tbg in well.
- 6. Attempt to unset packer and TOOH w/ 5-3/16". If unable to unset, shoot off just above Hook Wall Packer@ 1455'.
- 7. Pump 6% Bentonite gel between each plug.
- 8. TIH w/ tbg to 1605', 10' above TD. Kill well as needed with 6% bentonite gel and fill rat hole with gel. Pump at least 20 bbls gel.
- Pump 205' Class L/Class A cement plug from 1605' to 1400' (Bottomhole, Big Injun, & 5-6-5/8" Csg Shoe Plug). Approximately 65 sks @ 1.14 yield in 7-1/2" hole. Tag TOC. Top off as needed. Do not omit any plugs listed below. Perforate as needed.
- 10. Free point 6-5/8" csg. Cut and TOOH. Set 100' Class L/Class A cement plug across csg cut. 50' in/out of cut. TOOH w/ tbg to top of plug. Approximately 27 sks @Offed WEREINED 7-1/2" hole. Tag TOC. Top off as needed. Do not omit any plugs listed below.
- TOOH w/ tbg to 1120'. Pump 689' Expanding Class L/Class A cement plug fr 4 120' to 431' (Gas Show, Oil Show, Elevation, 8-1/4" Csg Shoe, and Coal Plug). Approximately 186 sks @ 1.14 yield in 7-1/2" hole. Tag TOC. Top off as needed. Do not explicit a protection listed below. Perforate as needed.



- 12. Attempt to pull 10-1/4" csg and TOOH.
- TOOH w/ tbg to 110'. Pump 110' Class L/Class A cement plug from 110' to Surface (10-1/4" csg shoe & Surface Plug). Approximately 76 sks @ 1.14 yield. Tag TOC. Top off as needed. Perforate as needed.
- 14. Reclaim location and well road to WVDEP specifications and erect P&A well monument.

Office Of Oil and Gas

WV Department of Environmental Protection

Rome 2209

TRITTED FUEL CAS COMPANY

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in Geary	District	Conductor		10	101	/10 of Merr, in	ii
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Rig Completed 4-17-06	193					Volume	ii
Drilling Commenced 4-18-06	193						Cu.
Drilling Completed 5-24-06	193					Hours Al	ter S
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				++		Date Shot	
				1 1		Size of Torpedo	
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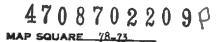
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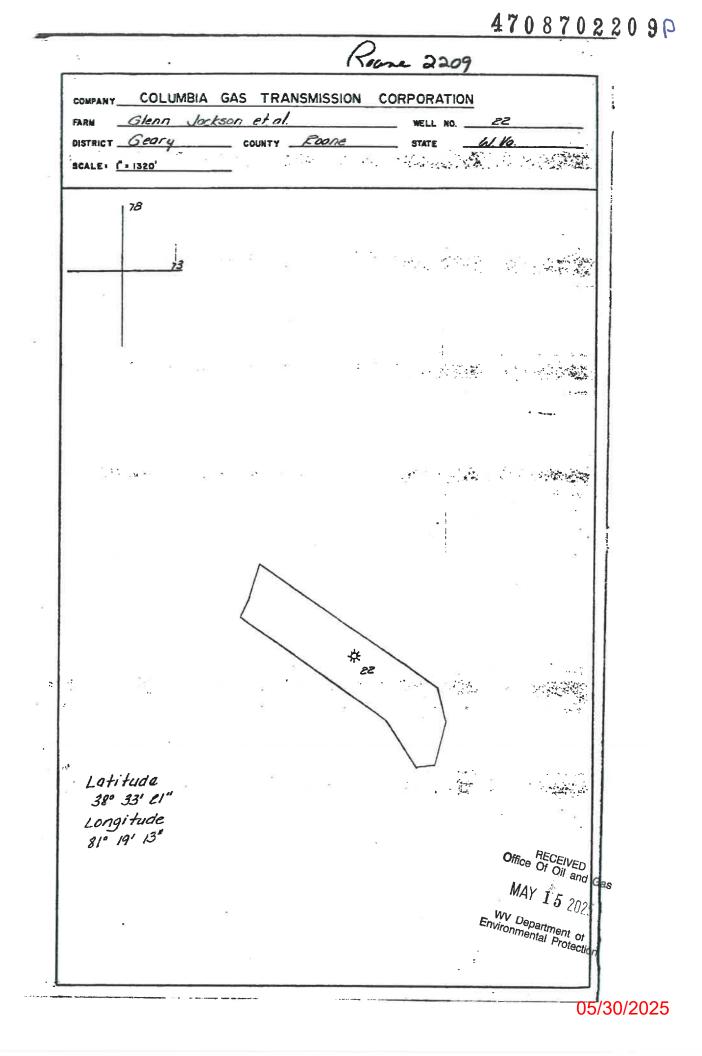
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IDRILLER'S RECORD								
PERMATION	TOP	BOTTON	VMICKHERA	REMARKS				
Little Lime	1404	1430	26					
Pencil Cave	1430	1449	19					
Big Lime	1449	1570	121	Sand in Line 1520-1527				
Big Injun	1570	1611	41					
Slate	1611	1615	4	Bottom of Well				
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47087022098

GEOLOGY UNDERLIES IT ALL "Pipeline"	Select County: (087 Enter Permit #: 0220 Get Data Re		Select datatypes: Cocation Owner/Completion Pay/Show/Water	Production	 ✓ Plugging ✓ Sample ✓ Btm Hole Loc 	Table Descriptions County Code Translations Permit-Numbering Series Usage Notes Contact Information Displaymer WVGES Main "Pipeline-Plus" New
WV Geological & Economic Survey:	Well: for we	-	Permit = 02209	<u>Link to all di</u>	gital records	Report Time: Friday, May 30, 2025 1:41:01 PM
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	2017 2018 2019 2020 2021	2017 0 2018 0 2019 0 2020 0 2021 0 2022 0	2017 0 2018 0 0 2019 0 0 2020 0 0 2021 0 0 2022 0 0	2017 0 2018 0 0 0 2019 0 0 0 0 2020 0 0 0 2021 2021 0 0 0 0 2022 0 0 0 0	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2017 0 2018 0 </td <td>$\begin{array}{cccccccccccccccccccccccccccccccccccc$</td> <td>2017 0 2018 0<!--</td--><td>$\begin{array}{cccccccccccccccccccccccccccccccccccc$</td><td>$\begin{array}{cccccccccccccccccccccccccccccccccccc$</td><td>$\begin{array}{cccccccccccccccccccccccccccccccccccc$</td></td>	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2017 0 2018 0 </td <td>$\begin{array}{cccccccccccccccccccccccccccccccccccc$</td> <td>$\begin{array}{cccccccccccccccccccccccccccccccccccc$</td> <td>$\begin{array}{cccccccccccccccccccccccccccccccccccc$</td>	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$

Production NGL Information: (Volumes in Bb)) ** some operators may have reported NGL under Oil * 2024 data for H6A wells only. Other wells are incomplete at this time.

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_NGL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM	
	Chesapeake Appalachia, LLC	2013	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Chesapeake Appalachia, LLC	2014	0	0	0	0	Ó	õ	ō	ō	ō	ō	õ	õ	ň	
	Chesapeake Appalachia, LLC	2015	0	0	0	0	Ď	ō	ō	ñ	ō	ň	ő	ñ	ň	
4708702209	Core Appalachia Operating LLC	2016	Ó						•	*	Ŷ	v		Ŭ	Ŭ	
4708702209	Core Appalachia Operating LLC	2018	Ó	0	0	0	0	0	D	0	n	0	0	0	D	
4708702209	Core Appalachia Operating LLC	2019	Ó	Ó	Ó	ō	õ	ō	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	ň	
	Diversified Production, LLC	2020	Ó	Ó	Ó	ā	ō	ň	ŏ	ň	ň	ŏ	ŏ	õ	ŏ	
4708702209	Diversified Production, LLC	2021	Ō	0	0	ō	ŏ	ŏ	ŏ	ŏ	ő	ŏ	ň	ň	ő	
4708702209	Diversified Production, LLC	2022	Ő	ō	Ő.	ŏ	ō	õ	ň	ň	ő	ŏ	ň	ň	ň	
					-	-			ž	ž			, v			
4708702209	Diversified Production, LLC	2023	0	0	0	0	0	0	0	D	0	0	0	0	- 01	
4708702209	Diversified Production, LLC	2023	0	0	0	0	0	0	0	0	0	0	0	0	0	
			ns) * 2024	u dat	a for	H6A		s onl	0 V. O	0 ther	0 wells	are	0 inco	0 mple	te at	this time
Production	Water Information: (Volume	es in Gallor	o (15) * 2024 ANN WTR	u dat	a for	H6A MAR	well	s onl	y. O	ther	wells	are	inco		te at	this time.
Production API	Water Information: (Volume		o (15) * 2024 ANN_WTR	dat JAN	a for FEB	H6A MAR	well	s onl MAY	y. O	ther JUL	wells AUG	are SEP	0 inco OCT	0 mple NOV	te at DCM	this time.
Production API 4708702209	Water Information: (Volume PRODUCING_OPERATOR	es in Gallor PRD_YEAR	o is) * 2024 ANN_WTR 0 0	0 dat JAN	FEB	MAR	well	s onl MAY	y. O	ther JUL	0 wells AUG	are SEP	0 inco OCT	0 mple NOV	te at DCM	this time.
Production API 4708702209 4708702209	Water Information: (Volume PRODUCING_OPERATOR Core Appalachia Operating LLC	es in Gallor PRD_YEAR 2016 2018	o (15) * 2024 ANN_WTR 0 0 0	dat JAN	a for FEB	0 H6A MAR 0	well	s onl MAY	y. O	ther JUL	wells AUG	are SEP	0 inco OCT	0 mple NOV	DCM 0	this time.
Production API 4708702209 4708702209 4708702209 4708702209	Water Information: (Volume PRODUCING_OPERATOR Core Appalachia Operating LLC Core Appalachia Operating LLC Core Appalachia Operating LLC Diversified Production, LLC	es in Gallor PRD_YEAR 2016	0 ANN_WTR 0 0 0 0 0 0	0 4 dat JAN 0 0	FEB	MAR	well	0 S onl MAY 0 0	9. 01 JUN 0	ther JUL	0 wells AUG 0 0	are SEP	0 inco 0CT 0 0	0 mple NOV	0 te at DCM	this time.
Production API 4708702209 4708702209 4708702209 4708702209	Water Information: (Volume PRODUCING_OPERATOR Core Appalachia Operating LLC Core Appalachia Operating LLC Core Appalachia Operating LLC Diversified Production, LLC	es in Gallor PRD_YEAR 2016 2018 2019	0 ANN_WTR 0 0 0 0 0 0 0 0	0 4 dat JAN 0 0 0 0	FEB	MAR	well	0 S onl MAY 0 0 0	0 y. O JUN 0 0 0	U U U U U U U	0 Wells AUG 0 0	0 are SEP 0 0 0	0 inco 0CT 0 0	0 mple NOV	DCM 0 0	this time.
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Production API 4708702209 4708702209 4708702209 4708702209 4708702209 4708702209	Water Information: (Volume PRODUCING_OPERATOR Core Appalachia Operating LLC Core Appalachia Operating LLC Core Appalachia Operating LLC Diversified Production, LLC Diversified Production, LLC	es in Gallor PRD_YEAR 2016 2018 2019 2020	0 (15) * 2024 ANN_WTR 0 0 0 0 0 0 0 0 0 0 0	0 4 dat JAN 0 0 0 0 0 0 0	FEB	MAR	well	0 5 onl MAY 0 0 0 0 0 0	0 y. O JUN 0 0 0 0 0 0 0		0 wells AUG 0 0 0 0 0 0	0 are SEP 0 0 0 0 0 0 0	0 inco 0 0 0 0 0 0 0 0 0 0 0 0 0	0 mple NOV 0 0 0 0 0	DCM 0 0	this time.

There is no Stratigraphy data for this well

Wireline (E-Log) Information: * There is no Scanned/Raster Log data for this well

* There is no Digitized/LAS Log data for this well

* There is no Scanned or Digital Logs available for download

There is no Plugging data for this well

There is no Sample data for this well

4708702209p

WW-4A Revised 6-07

1) Date: 5/12/2025

2) Operator's Well Number JNO T JACKSON 1

3) API Well No.: 47 - 087 - 02209

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE 0F APPLICATION TO PLUG AND ABANDON A WELL

4)	Surface Owne	er(s) to be served:	5) (a) Coal Operator	
,	(a) Name	Larry C. Shafer, Sr. et ux	Name	Not Currently Operated
	Address	1158 Amma Rd.	Address	
		Clendenin, WV 25045		
	(b) Name		(b) Coal Own	ner(s) with Declaration
	Address		Name	Roy G. Hildreth & Son Inc.
			Address	PO Box 1007
				Spencer, WV 25276
	(c) Name		Name	
	Address		Address	
6)]	Inspector	Cruise Lawson	(c) Coal Less	see with Declaration
	Address	347 Main St.	Name	None Reported
		Spencer, WV 25288	Address	
	Telephone	(681) 467-9141		

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 perpendicity of Oil and Gas (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.

		MAY 10 LOT
	Well Operator	Diversified Production, LLC
OFFICIAL SEAL NOTARY PUBLIC	By:	Diversified Production, LLC Chris Veazey
STATE OF WEST VIRGINIA Rebecca Wanstreet	Its:	Director of Administration
104 Heliport Loop Road	Address	414 Summers Street
Bridgeport, WV 26330 My Commission Expires July 26, 2029		Charleston, WV 25301
	Telephone	304-590-7707
Subscribed and sworn before me t	his <u>12th</u> de	y of May 2005 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 <u>depprivacyoffier@wv.gov</u>.









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CLENDENIN WV 25045-8032 1158 AMMA RD LARRY C SHAFER SR

https://my.simplecertifiedmail.com

Operator's Well Number

JNO T JACKSON 1

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT. WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

Chief, Office of Oil and Gas Department of Environmental Protection 601 57th St. SE Charleston, WV 25304 (304) 926-0450

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have FIVE (5) DAYS after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

<u>Comments must be in writing.</u> Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation...".

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application For A Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a some of Oil and Gas

I further state that I have no objection to the objection to a permit being issued on those materials.	planned work	described in these	materials, and I have no
objection to a permit being issued on those materials.			mai 1 3 2025
FOR EXECUTION BY A NATURAL PERSON		FOR EXECUTIO	DWBYA CORPORATION,
ETC.		E	invironmental Protection
			Protection
Date	Name		

By Its

Signature

Signature

Date

Date





արունը այներեներումը հերանինություն

ROY G HILDRETH & SON INC PO BOX 1007 SPENCER WV 25276-0039

05/30/20251/1

WW-4B

47087022098

API No.	4708702209	
Farm Name	Jackson, JNO T.	
Well No.	JNO T JACKSON 1	

INSTRUCTIONS TO COAL OPERATORS OWNERS AND LESSEE

The well operator named on the obverse side of WW-4 (B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less then five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas.

This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

NOTE: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee for plugging" prior to the issuance of this plugging permit.

WAIVER

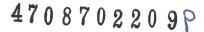
The undersigned coal operator _____/ owner _____/ lessee _____/ of the coal under this well location has examined this proposed plugging work order. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date:

Ву:_____

Its

Office Of Oil and Gas MAY 1 5 2025 WV Department of Environmental Protection





Date: 5/12/2025

James Martin Office of Oil and Gas 601 57th 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:

API Number 4708702209

Well Name JNO T JACKSON 1

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

Sincerely,

Diversified Energy Permitting Department

Office Of Oil and Gas MAY 1 5 2025

WV Department of Environmental Protection

414 Summers Street • Charleston, WV 25301 • 304.353.5012





west virginia department of environmental protection

Office of Oil and Gas 601 57th 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

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IN THE MATTER OF A VARIANCE FROM LEGISLATIVE RULE 35CSR4 SECTION 14.1. AND LEGISLATIVE RULE 35CSR8 SECTION 20.1, RELATING TO THE CEMENTING OF OIL AND GAS WELLS

ORDER NO. 2022-13

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 nement is comparable to API Class A cement and thereby satisfies the requirements of the West and Gas Virginia Code.
 MAY 15 2025
- 3. Contemporaneously, the Chief of the Office of Oil and Gas also chose to chasider a variance to Legislative Rule 35CSR8 Section 20.1., for the use of API Class Domart Protection 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

RECEIVED Office Of Oil and Gas

MAY 1 5 2025

WV Department of Environmental Protection

WW-9 (5/16)	470 87022 API Number 47 - 087 - 02209 Operator's Well No. JNO T JACKSON 1	0
STATE OF WE DEPARTMENT OF ENVIRO OFFICE OF O FLUIDS/ CUTTINGS DISPOSA	NMENTAL PROTECTION DIL AND GAS	
Operator Name: Diversified Production, LLC	OP Code494524121	
Watershed (HUC 10)Hurricane Creek	QuadrangleClio 7.5'	
Do you anticipate using more than 5,000 bbls of water to comple	ete the proposed well work? Yes No	
If so, please describe anticipated pit waste: Production f Will a synthetic liner be used in the pit? Yes No	Juid and cement returns. D 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 2D03902327 002
Reuse (at API Number
Off Site Disposal (Supply form WW-9 for disposal location)
Other (Explain

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 disposalmethod? 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 office of Oil and Gas

Company Official Signature	MAY 15 2025
Company Official (Typed Name) Chris Veazey	Environmental Protect
Company Official Title Director of Administration	Protection

Subscribed and sworn before me this 12th day of May	, 20 <u>25</u>	
My commission expires 7-2U-29	Notary Public OFFICIAL SEAL NOTARY PUBLIC STATE OF WEST VIRGINI Rebecca Wanstree 05/30/2025 Wy Commission Expires July 6.	A t

47087022098

Operator's Well No. JNO T JACKSON 1

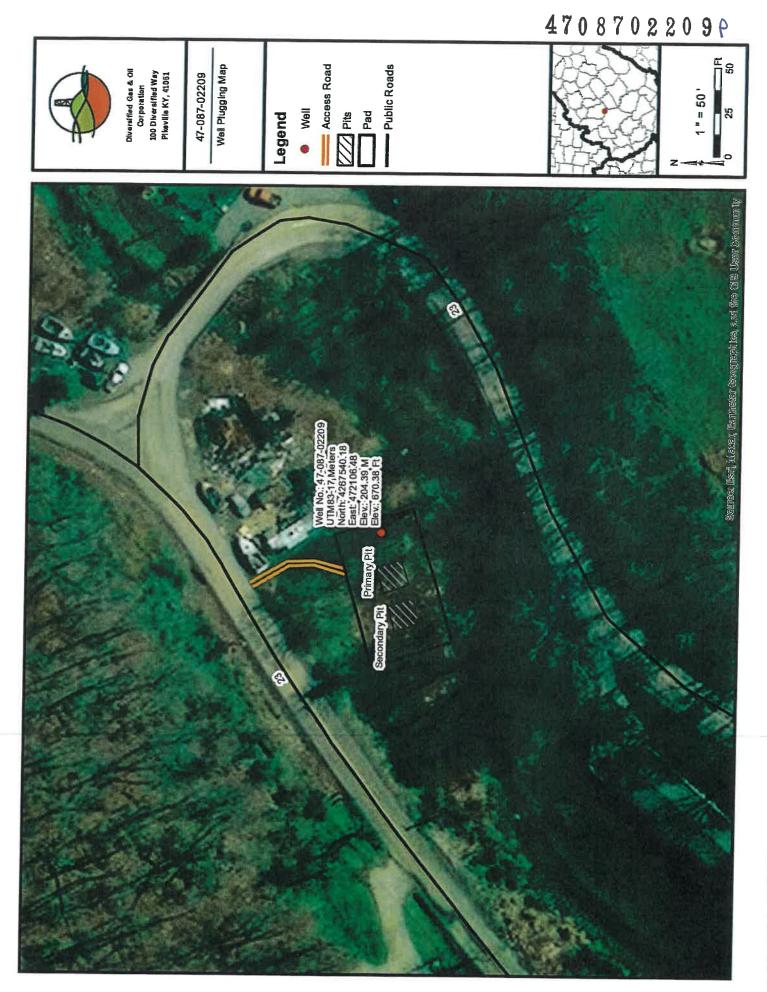
Propose	roposed Revegetation Treatment: Acres Disturbed +/- 1 ac.					Preveg etation pH	N/A
	Lime	3	Tons/acre or to correc	t to pH	6.5		
	Fertilizer	type _1	0-20-20 or Equivalent	-			
	Fertilizer	amount	500		lbs/acre		
	Mulch	2		_Tons/acro	2		
				Seed M	<u>lixtures</u>		
			Temporary			Perma	ment
	Seed Typ	e	lbs/acre			Seed Type	Ibs/acre
ed Fes	cue		40		Red Fescue		15
lsike			5	_	Alside Clover		5
Annual Rye 15							

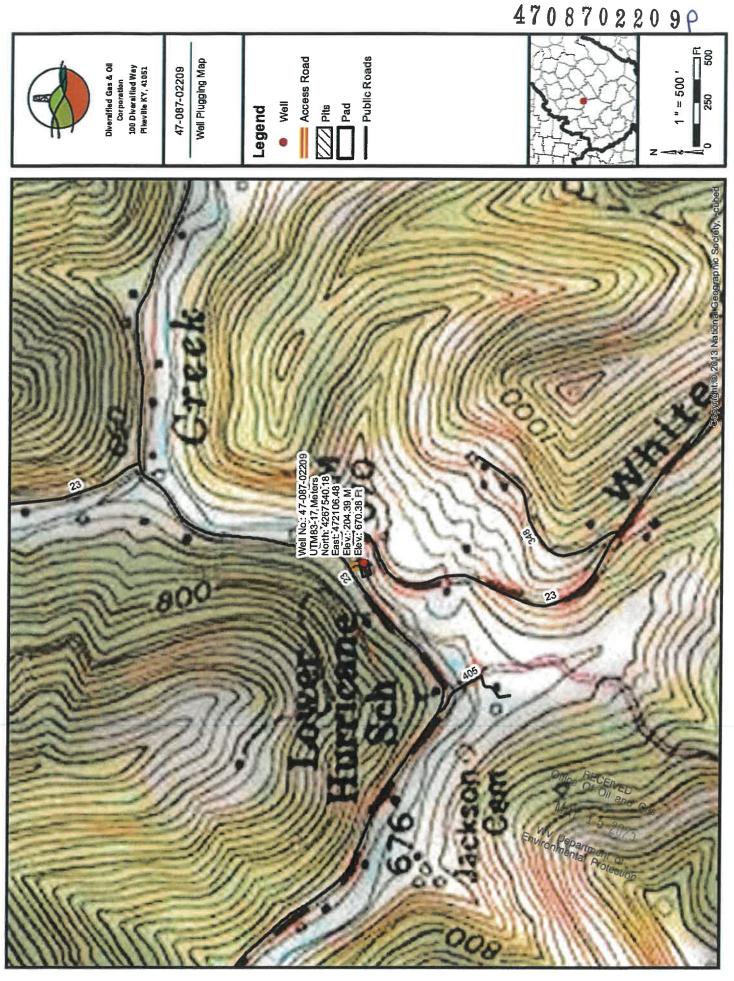
Attach:

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: Cruise Lawson Cruise Lawson on the cruise a Lawson of the Cruise Lawson of the cruise a Lawson o	
Comments:follow E&S Control Manual	
	REOR
	Office Of Oil and Gas MAY 15 2025
Title: OOG Inspector Date:	WV Department of Environmental Protection





WW-7	
8-30-06	5



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

api: <u>4708702209</u>	WELL NO .: JNO T JACKSON 1

FARM NAME: Jackson, JNO T.

RESPONSIBLE PARTY NAME: Diversified Production, LLC

COUNTY: Roane DISTRICT: Geary

QUADRANGLE: Clio 7.5'

SURFACE OWNER: Larry C. Shafer, Sr. et ux

ROYALTY OWNER: Dr. R.D. Karr, U/W R.J. Carr

UTM GPS NORTHING: 4267540.18

UTM GPS EASTING: 472106.48 GPS ELEVATION: 670.38

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.
- Accuracy to Datum 3.05 meters
 Data Collection Method:
 Survey grade GPS ____: Post Processed Differential _____ MAY 15 2020
 Real-Time Differential _____ Kov Department of Protection
 Mapping Grade GPS X: Post Processed 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

Chris Veazey - Director of Administration Title

<u>5/12/2003</u> Date

11/10/2016

Plugging Permit

PLUGGING PERMIT CHECKLIST 4708702209

RECEIVED Office Of Oil and Gas

MAY 15 2025

WV Department of Environmental Protection

WW-4B
WW-4B signed by inspector
WW-4A
SURFACE OWNER WAIVER or PROOF THAT APPLICATION WAS SENT BY REGISTERED OR CERITFIED
COAL OWNER/COAL OPERATOR/COAL LESSEE WAIVERS or PROOF THAT APPLICATION WAS SENT
BY REGISTERED OR CERTIFIED MAIL
WW-9 PAGE 1 (NOTARIZED)
WW-9 PAGE 2 with attached drawing of road, location, pit and proposed area for land application
WW-9 GPP PAGE 1 and 2 if well effluent will be land applied
RECENT MYLAR PLAT OR WW-7
WELL RECORDS/COMPLETION REPORT
TOPOGRAPHIC MAP OF WELL, SHOWING PIT IF PIT IS USED
MUST HAVE VALID BOND IN OPERATOR'S NAME
CHECK FOR \$100 IF PIT IS USED