

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 MCOUISTON DRIVE

JACKSON CENTER, PA 16133

Re:

Permit approval for 811 47-043-02063-00-00

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: MOHLER LUMBER CO.

U.S. WELL NUMBER: 47-043-02063-00-00

Vertical Plugging

Date Issued: 1/5/2023

PERMIT CONDITIONS 47 0 4 3 0 2 0 6 3

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	, 2022
2)Operator's	
Well No. 800811	
3) API Well No. 47 043	02063

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

	APPLICATION FOR A PERM	MIT TO PLUG AND ABANDON
4)	Well Type: Oil/ Gas X/ Liquid	d injection / Waste disposal/
-,		derground storage) Deep/ ShallowX
5)		Watershed Ivy Creek of Little Coal River
	District Washington	County Lincoln Quadrangle Ivy Creek
		Oh auton Ohnefou
6)	Well Operator Diversified Production, LLC	7) Designated Agent Charles Shafer
	Address 414 Summers Street	Address 414 Summers Street
	Charleston, WV 25301	Charleston, WV 25301
8)	Oil and Gas Inspector to be notified	D. O. LIMIAN CARRIAGO
	Name Terry Urban	Name R & J Well Services Address P.O. Box 40
	Address P.O. Box 1207 Clendenin, WV 25045	Hueysville, KY 41640-0040
	Clerideriiri, WV 23043	Hubysvino, KT 4 1040 00 10
	See Atta	ached
	ification must be given to the district o	il and gas inspector 24 hours before permitted

01/06/2023

мар 45 Тин 0 4 8 34 0 2 0 6 3 SERIAL WELL NO. 811. LEASE NO. 12900. CASING AND CONDUCTOR GAS WELL RECORD OF WELL No. 2. on the USED IN SIZE WELL MOHILER LUMBER CO. Farm of 5712. Acres OPEN FLOW 2 inch waise WASHINGTON Conductor District in. 14. 14. At Centre At 1-7 Diam LINCOLN County Pounda CLENDENIN Field, State of 10* Ounces Pounds | Ounces W. VA. 814 395 5/10 Moroury Rig Commenced 19 CLOSED IN 8* 2"Tubing Rig Completed 19 798 MAR. 15TH. Drilling Commenced 1916. 65%" 15831 15831 I Min. 15 l'ounds **Drilling Completed** MAY. 19TH. 1916. 614" 35 Pounds Drilling to cost \$1.25 per foot 55%" 3 Min. 60 Pounds Contractor is: WEILER BROS. 54" 4 Min. 08 Pounds Address : HUNTINGTON, M. VA. 436" 5 Min. 105 Pounda Ruck Pressure 460 211 2326 l'ounds 19 Hrs. Drillers' Names S. G. SMITHSON 19 E. F. LANDGRAFF Size of Torpedo Size of Rods Kind of Rods Size of Tubing 2 inch 1st DAY'S PRODUCTION Size of Packer 2 x 6 x 16 393, 000 cubic feet Gas calculated to be Kind of Packer PARMACO Well abandoned and plugged 544'7'h. from Bottom Oil flowed barrels, pumped 19 lst. Perforation

Elevation 972 B		DR	ILLER'S RE	CORD
FORMATION	TOP	BOTTOM	THICKNESS	REMARKS GATE
CONDUCTOR		14		HOLE FULL WATER AT 120*
SAND	14	200	186	WATER AT 800
COAL	200	210	10	GAS AT 900°
SLATE	210	230	20	GAS AT MAXON SAND AT 1530
SAND	230	360	130	GAS IN INJUN 1795' to 1800' TESTED 17/10 .
SLATE & SHELLS	360	740	380	WATER IN 3" OP'G. TEST TAKEN MAY, 16TH. 1916.
SALT SAND	740	940	200	GAS IN BERRA AT 2261° to 2266° THUTED 47/10
SLATE & SHELLS	940.	970	30	WATER IN 2" OPENING.
SAND	970	1190	220	68 x 81 x 10 PACKER SET AT 1583
LIME STORE	1190	1407	217	
RED ROCK	1407	1422	15	5.
LIME	1422	1477	55	
RED ROCK	1477	1487	10	•
SHELLS	1487	1493	6	e a
MAXON SAND	1493	1543	50	APPROVED
BLACK LIME	1543	1573	30	J. A. Quelinger
PENCIL CAVE	1573	1578	5	Short.
BIG LIME	1578	1789	211	
INJUN SAND	1789	1854	65	
SLATE & SHELLS	1854	1984	130	
SLATE	1984	2025	41	
SLATE & SHELLS	2025	2240	215	
BROWN SHALE	2240	2261	21	*
BERRA SAND	2261	2280	19	
BLATE	2280	2308	28	
COTAL DEPTH		23081		01/

Plugging Prognosis

API #: 4704302063

West Virginia, Lincoln Co.

Lat/Long: 38.18891, -81.885525

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

Casing Schedule:

Conductor @ 14'

6-5/8" @ 1583' (6-5/8"x8-1/4"x10 set @1586')

2" tbg @ 2326' (2x6-1/4x16 Parmaco packer set @ 544' from bottom)

TD @ 2326'

Completion: Perfs @ 2320'; 2274'

Fresh Water: 120'

Salt Water: 800' (salt sand 740'-940')
Gas Shows: 900'; 1795'-1800'; 2261'-2266'

Oil Shows: None listed

Coal: 200'-210' Elevation: 895'

- 1. Notify Inspector Terry Urban @ 304-549-5915, 48 hrs prior to commencing operations.
- 2. Check and record pressures on csg/tbg.
- 3. Pull tbg and packer and lay down.
- 4. Check TD w/ wireline.
- 5. Run in to depth @ 2320'. Kill well as needed with 6% bentonite gel and fill rat hole. Pump at least 10 bbls gel. Pump 321' C1A/Class L cement plug from 2320' to 2161' (perforations and gas shows plug). Tag TOC. Top off as needed.
- 6. TOOH w/ tbg to 2161'. Pump 6% bentonite gel from 2161' to 1,800'.
- 7. TOOH w/ tbg to 1800'. Pump 105' C1A/Class L cement plug from 1800' to 1695' (gas show plug).
- 8. TOOH w/ tbg to 1695'. Pump 6% bentonite gel from 1695' to 940'.
- 9. Pull 6-5/8" Csg and lay down.
- 10. If packer will not unset, pump 100' C1A/Class L cement plug from 1633' to 1533' (6-5/8" csg shoe plug). Free point 6-5/8" csg. Cut and TOOH. Set 100' C1A cement plug across csg cut. 50' in/out of cut. Do not omit any plugs listed below. Perforate as needed.
- 11. TOOH w/ tbg to 940'. Pump 300' C1A/Class L cement plug from 940' to 640' (gas show, elevation and saltwater/salt sand plug).
- 12. TOOH w/ tbg to 640'. Pump 6% bentonite gel from 640' to 260'.
- 13. TOOH w/ tbg to 260'. Pump 260' C1A/Class L cement plug from 260' to Surface (coal, freshwater, and surface plug).
- 14. Reclaim location and well road to WV DEP specifications and erect P&A well monument.

WW-4A Revised 6-07

1)	Date:	November 29, 202	2			
2)	Operator's 800811	Well Number				
3)	API Well N	Io · 47 -	043	-	02063	

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

	(a) Name	Halfield-McCoy Regional Recreation Authority	Name	None
	Address	P.O. Box 146	Address	
	(b) Name	Man, WV 25635	(b) Coal Ov	vner(s) with Declaration
	Address		Name	Hatfield-McCoy Regional Recreation Authority
	ridarooo		Address	P.O. Box 146
				Man, WV 25635
	(c) Name		Name	Mohler Minerals LLC
	Address		Address	135 Corporate Center Drive
			ā	Scott Depot, WV 25560
6)	Inspector	Terry Urban	(c) Coal Le	ssee with Declaration
٠,	Address	P.O. Box 1207	Name	No Declaration
		Clendenin, WV 25045	Address	
	Telephone	304-549-5915		
T	O THE PE	RSONS NAMED ABOVE: You	should have rec	eived this Form and the following documents:
				h sets out the parties involved in the work and describes the

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 Statt
Its:	Plugging Manager
Address	414 Summers Street
	Charleston, WV 25301
Telephone	304-419-2562

Subscribed and sworn before	Julus C	th day of	November	otary Public	
My Commission Expires	September 16, 2023	- I		(1970-1100 - 1970-1981 - 1980-1981 - 1980-1981 - 1980-1981 - 1980-1981 - 1980-1981 - 1980-1981 - 1980-1981 - 1	_

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.



RECEIVED
Office of Oil and Gas

DEC 0 5 2022

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

API Number 47 - 043 - _ 02063 Operator's Well No. 800811

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION FLUIDS/
Decrator Name Diversified Production, LLC OP Code 494524121
- I I Ivy Creek
Watershed (HUC 10) Ivy Creek of Little Coal River Quadrangle Ny creek Oo you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes No
10 V V NO
Droduced filling and Gentletit returns
Will a synthetic liner be used in the pit? Yes No I If so, what ml.? 20
Proposed Disposal Method For Treated Pit Wastes:
Land Application (if selected provide a completed form WW-9-GPP)
Land Application (if selected provide a completed form www of the completed form with the completed form when the completed form www of the completed form when the completed form with the completed form when the comp
Off Site Disposal (Supply form WW-9 for disposal location) White payers will be bayled to Pleasant View Tank Battery and disposed of properly
Off Site Disposal (Supply form WW-9 for disposal location) Other (Explain All fluid recovered will be hauled to Pleasant View Tank Battery and disposed of properly
NIA
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
and fill 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.
interest in the party of the pa
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/orother 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 Austin Sutler
Company Official (Typed Name) Austin Sutler Hurricane, WW 25526 My Commission Expires September 16, 2023
Company Official Title Plugging Manager
Subscribed and sworn before me this 29th day of November, 2022 Puffix A. Coppley Notary Public My commission expires September 16, 2023
My commission expires September 16, 2023

Operator's Well No._____800811

4704302063

	ent: Acres Disturbed 1 +/-		
Lime 3	Tons/acre or to correct to	_{o pH} 6.5	
Fertilizer type	10-20-20 or equivaler	nt	
Fertilizer amount		lbs/acre	
Mulch 2	T	ons/acre	
		Seed Mixtures	
Ten	nporary	Perma	nent
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 provided). If water from the p L, W), and area in acres, of t	oit will be land applied, provi the land application area.	application (unless engineered plans incluide water volume, include dimensions (L,	ding this info have W, D) of the pit, a
Maps(s) of road, location, pit provided). If water from the p L, W), and area in acres, of the control of the c	oit will be land applied, provi the land application area.	ide water volume, include dimensions (L,	W, D) of the pit, a
Maps(s) of road, location, pit provided). If water from the pL, W), and area in acres, of the Photocopied section of involved	oit will be land applied, provi the land application area.	ide water volume, include dimensions (L,	W, D) of the pit, a
Maps(s) of road, location, pit provided). If water from the pL, W), and area in acres, of the Photocopied section of involved Plan Approved by:	oit will be land applied, proving the land application area. The red 7.5' topographic sheet.	ide water volume, include dimensions (L,	W, D) of the pit, a
Maps(s) of road, location, pit provided). If water from the pL, W), and area in acres, of the Photocopied section of involved Plan Approved by:	oit will be land applied, proving the land application area. The red 7.5' topographic sheet.	ide water volume, include dimensions (L,	W, D) of the pit, a
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Maps(s) of road, location, pit provided). If water from the pL, W), and area in acres, of the Photocopied section of involved Plan Approved by:	oit will be land applied, proving the land application area. The red 7.5' topographic sheet.	ide water volume, include dimensions (L,	W, D) of the pit, a



West Virginia Department of Environmental Protection Office of Oil and Gas

WELL LOCATION FORM, CPS

WELL LOC	CATION FORM: GPS	
_{API:} 4704302063	<u>well no.:</u> 80	00811
FARM NAME: Mohler Lumi	oer	
RESPONSIBLE PARTY NAME:	Diversified Production	on LLC
COUNTY: Lincoln	DISTRICT: Was	shington
QUADRANGLE. Ivy Creek	_	
SURFACE OWNER: Joshua	D. & Kelly D. Endico	ott
ROYALTY OWNER: Pardee	Oil & Gas LLC	
UTM GPS NORTHING: 42271	30.85	
UTM GPS EASTING: 422443.	.59 GPS ELEVATI	_{ON:} 895.97'
The Responsible Party named above preparing a new well location plat for above well. The Office of Oil and Gathe following requirements: 1. Datum: NAD 1983, Zone: height above mean sea level. 2. Accuracy to Datum – 3.05 3. Data Collection Method: Survey grade GPS: Post Pro-	a plugging permit or assigned As will not accept GPS coordinate 17 North, Coordinate Units: merel (MSL) – meters.	s that do not meet
Real-Ti	me Differential	
Mapping Grade GPS X : Post		
	-Time Differential	
4. Letter size copy of the to I the undersigned, hereby certify this belief and shows all the information prescribed by the Office of Oil and O	required by law and the regulatio	knowledge and
Digitally signed by Austin Sutler Date: 2022.07.15 10:11:34	Plugging Manager	7/15/2022
Signature	Title	Date







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 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:

47-043-02063

Mohler Lumber

Well 800811

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 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

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.
- 2. 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.

4704302063

 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 Oli 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 <bri>Sprian Warden

Sprian Warden

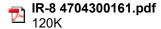
Spri

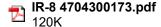
To whom it may concern, plugging permits have been issued for 4704300161 04300173 04302051 04302063.

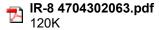
James Kennedy

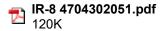
WVDEP OOG

8 attachments









4704300173.pdf 2238K

4704300161.pdf 2900K

4704302051.pdf 2189K

4704302063.pdf 2207K