

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 4655 47-043-00173-00-00

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.

Operator's Well Number:

Farm Name: MOHLER LUMBER CO.

U.S. WELL NUMBER: 47-043-00173-00-00

Vertical Plugging

Date Issued: 1/5/2023

PERMIT CONDITIONS 4704300173

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 conditions may result in enforcement action.</u>

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. 804655		
3) API Well No. 47 043		00173

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

	APPLICATION FOR A PER	RMIT TO PLUG AND ABANDON
4)	Well Type: Oil / Gas X / Liqui	id injection / Waste disposal /
		nderground storage) Deep / Shallow X
	· · · · · · · · · · · · · · · · · · ·	
5)	Location: Elevation 759.92 feet	Watershed Ivy Creek of Little Coal River
	District Washington	County Lincoln Quadrangle Madison
		-
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	9)Plugging Contractor
	NameTerry 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
Noti Work	fication must be given to the district o can commence.	oil and gas inspector 24 hours before permitted
	_	, /
	order approved by inspector gram	Wander Date 12/8/2023
vork	order approved by inspector	www. Date 12/8/2010
		/ '

WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION

Well 804655 47-043-00173

WELL RECORD

ermit NoLin-173			Oil or G	as WellGas
ompany UNITED FUEL GAS COMPANY ddress CHARLESTON, W. VA. Arm. Mohler Lumber Company Acres 3576	Casing and Tubing	Used in Drilling	Left in Well	Packers
arm Mohler Lumber Company Acres 3576 scation (waters)	Size			
ell No. 4655 Elev. 775!	16			Kind of Packer
strict Washington County Lincoln	13			Heeter Hook Wall
ne surface of tract is owned in fee by	10			Size of
Address	8¼	4261311	42613"	3 x 6-5/8"
ineral rights are owned by	6 5/8	1462'7"	146217"	Depth set 2094!
Address	5 3/16			
rilling commenced August 15, 1936	3		2111'4"	Perf. top
rilling completed October 31, 1936	2			l'erf. bottom
ate shot 11-3-7-36 Depth of shot	Liners Used			Perf. top
pen Flow 21/10ths Water in 2 Inch				Perf. bottom
/10ths Merc. in	CASING CEM	ENTED	SIZE	No, FTDate
ilbbls., 1st 24 hrs.	COAL WAS E	NCOUNTERE	D AT. 335	FEET 60 INCHES
resh water feet feet	391 FEE	T36INC	HES	FEETINCHES
alt waterfeetfeet	FEE	TINC	HES	FEETINCHES

Formation	Color	Hard or Soft	Тор	Bottom	Oil Gas or Water	Depth Found	Remarks
nd				20			
nd	1		20	140			
ite			140	326			
nd	- 1		526	225			
1	1		335	340			
te			340	350			
nd			350	391			
1	1		391	394		72	
ite	1		394	480			
dy Lime	1		480	503			
ite	ĺ		503	540			
t Sand	-		540	656			
te	1		656	664			
t Sand			664	795			
ite Sanu	100		795	798			
	1						
t Sand	1))	798	885			
ie .	1	3	885	890			
t Sand			890	914			
ite		3	914	916			
ie		1	916	932	1.3		
ite	i		932	944			
ie			944	1008			
ite			1008	1040	.1		
t Sand	1	30	1040	1160			
te			1160	1165			
t Sand	i		1165	1200			
Rock	}		1200	1212			
te & Shell	s	- 1	1212	1355			
tle Lime	1		1355	1388			
te	1		1388	1391			
Lime			1391	1604	1		
Injun	1		1604	1635	Show Gas	1612'	
Slate & \$	hells		1635	1715	Gas	1630-1634	22/10 W 1"
ie l			1715	1745		45	
r Sand			1745	1788			19/10 W 1"
te & Shell	s		1788	1865			1200
ie .		9	1865	1876			1
te	1		1876	1910	1		1
ne			1910	1929			
		12		2.7205.22			
			.g/3a	8.10			P5

		,					10011
Formation	Color	Hard or Soft	Тор	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate & Shel Brown Shale Berea Grit White Slate Lime Shell	s		1929 2070 2086 2107 211 8	2070 2086 2107 2117 2138	Gus	47 2087-2091	0 4 3 0 0 1 7 3
Slate & Shell White Shale Blue Slate Lime Shell Blue Slate	5		2158 2390 2495 2820 2826	2390 2495 2820 2826 3265	lias	2826–2828	a/ha . €" 6/10 ₩ 2"
Brown Shale Lime Blue Slate & Brown Shale	Shells		3265 3308 3328 3570	3508 5328 3570 3713	Gas Gas Gas	3221-3225 3378-3380 3552-3558	11/10 W 2" 14/10 W 2" 16/10 W 2"
White Slate Blue Slate Brown Shale C. Lime Fotal Depth			3713 4003 4110 4318	4003 4110 4318 4321 4321			
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	Date					·	19
APPROVED	UNITED	FUEL	GAS	CU _{li} T	Λίγιν		Owner
Ву							
			(Titl	B)		Lng ineer	

043-173

01/06/2023

Plugging Prognosis

API#: 4704300173 West Virginia, Lincoln Co. Lat/Long: 38.18859, -81.8642

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

Casing Schedule:

8-1/4" @ 426' (cement info unknown) 6-5/8" @ 1462' (cement and/or packer info unknown) 3" @ 2111' (Heeter Hook Wall Packer 3x6-5/8" set at 2094) TD @ 4321'

Completion: Perfs @ 3371'-3561', 2nd set of shots not legible on well documents.

Fresh Water: 10': 618': 670'

Salt Water: None

Gas Shows: 1612'; 1630'-1634'; 2087'-2091'; 2826'-2828'; 3221'-3225'; 3378'-3380'; 3552'-3558'

Oil Shows: None Coal: 335'-340'; 391'-394'

Elevation: 775'

- 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 and lay down tbg.
- 4. Check TD with wireline and run CBL
- 5. Run in to depth @ 3561'. Kill well as needed with 6% bentonite gel and fill rat hole. Pump at least 10 bbls gel. Pump 440' C1A/Class L cement plug from 3561' to 3121' (perforations, gas shows plug). Tag TOC. Top off as needed.
- TOOH w/ tbg to 3121'. Pump 6% bentonite gel from 3121' to 2826'.
- 7. TOOH w/ tbg to 2826'. Pump 102' C1A/Class L cement plug from 2826' to 2724' (gas show plug).
- 8. TOOH w/ tbg to 2724'. Pump 6% bentonite gel from 2724' to 2091'.
- 9. TOOH w/ tbg to 2091'. Pump 104' C1A/Class L cement plug from 2091' to 1987' (gas show plug).
- 10. TOOH w/ tbg to 1987'. Pump 6% bentonite gel from 1987' to 1634'.
- 11. Run wireline CBL to check 6-5/8" TOC to ensure casing is not set on packer.
- 12. TOOH w/ tbg to 1634'. Pump 222' C1A/Class L cement plug from 1634' to 1412' (gas show and 6-5/8" csg shoe plug).
- 13. TOOH w/ tbg to 1412'. Pump 6% bentonite gel from 1412' to 775'.
- Free point 6-5/8" 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.
 TOOH w/ tbg to 775'. Pump 257' C1A/Class L cement plug from 775' to 518' (fresh water and
- elevation plug).
- 16. TOOH w/ tbg to 518'. Pump 6% bentonite gel from 518' to 476'.
- 17. RIH w/ tbg to 476'. Pump 191' G1A/Class L cement plug from 476' to 285' (8-1/4" csg shoe and coal plug). SXPpruleily

- 18. TOOH w/ tbg to 285'. Pump 6% bentonite gel from 285' to 100'.
- 19. Free point 8-1/4" 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.
- 20. TOOH w/ tbg to 100'. Pump 100' C1A cement plug from 100' to Surface (freshwater and surface plug).
- 21. Reclaim location and well road to WV DEP specifications and erect P&A well monument.

WW-4A Revised 6-07

1) I	Date:	November 29	2022			
	Operato: 304655	r's Well Numb	er.			
3) A	PI Well	No.: 47 -	043	-	00173	

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

(a) Name	Hatfield-McCoy Regional Recreation Authority	Name	None
Address	P.O. Box 146	Address	
	Man, WV 25635		
(b) Name		(b) Coal Ov	vner(s) with Declaration
Address		Name	Halfield-McCoy Regional Recreation Authority
		Address	P.O. Box 146
		-B	Man, WV 25635
(c) Name		Name	Mohler Minerals LLC
Address		Address	135 Corporate Center Drive
		: :	Scott Depot, WV 25560
6) Inspector	Terry Urban	(c) Coal Le	ssee with Declaration
Address	P.O. Box 1207	Name	No Declaration
	Clendenin, WV 25045	Address	
Telephone	304-549-5915		

- (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.

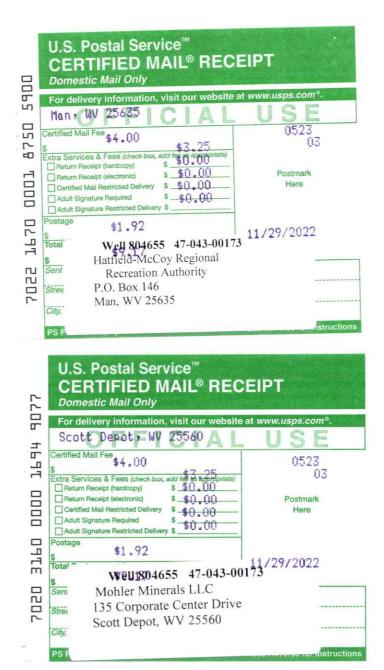
Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental 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.

By:	Austin Sutler Tust Sutte
GINIA Its:	Pluggling Manager
	414 Summers Street
	Charleston, WV 25301
Telephone	304-419-2562
5	Address 528 ber 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.

Well 804655 47-043-00173



RECEIVED Office of Oil and Gas

DEC 0 5 2022

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

API Number 47 - 043 -Operator's Well No. 804655

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS FILLIDS/ CUTTINGS DISPOSAL, & RECLAMATION PLAN

PLOIDS/ COTTINGS DISPOSAL & REELAMATION FRAM
Operator Name_Diversified Production, LLC OP Code 494524121
Watershed (HUC 10) Ivy Creek of Little Coal River Quadrangle Madison
Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes No
Will a pit be used? Yes V 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)
Off Site Dianacal (Supply form WW -0 for dianacal location)
Other (Explain All fluid recovered will be hauled to Pleasant View Tank Battery and disposed of properly
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 Cas 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 is sue 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 the 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 penaltics for submitting false information, including the possibility of fine or imprisonment. Company Official Signature Company Official Title Plugging Manager Austin Sutler Austin Sutler Plugging Manager Austin Sutler Subscribed and sworn before me this Og day of Walkard Aug of Wa
Puflis a. Coply Notary Public
My commission expires September 16, 2023

Operator's W	ell No.	804655	

4704300173

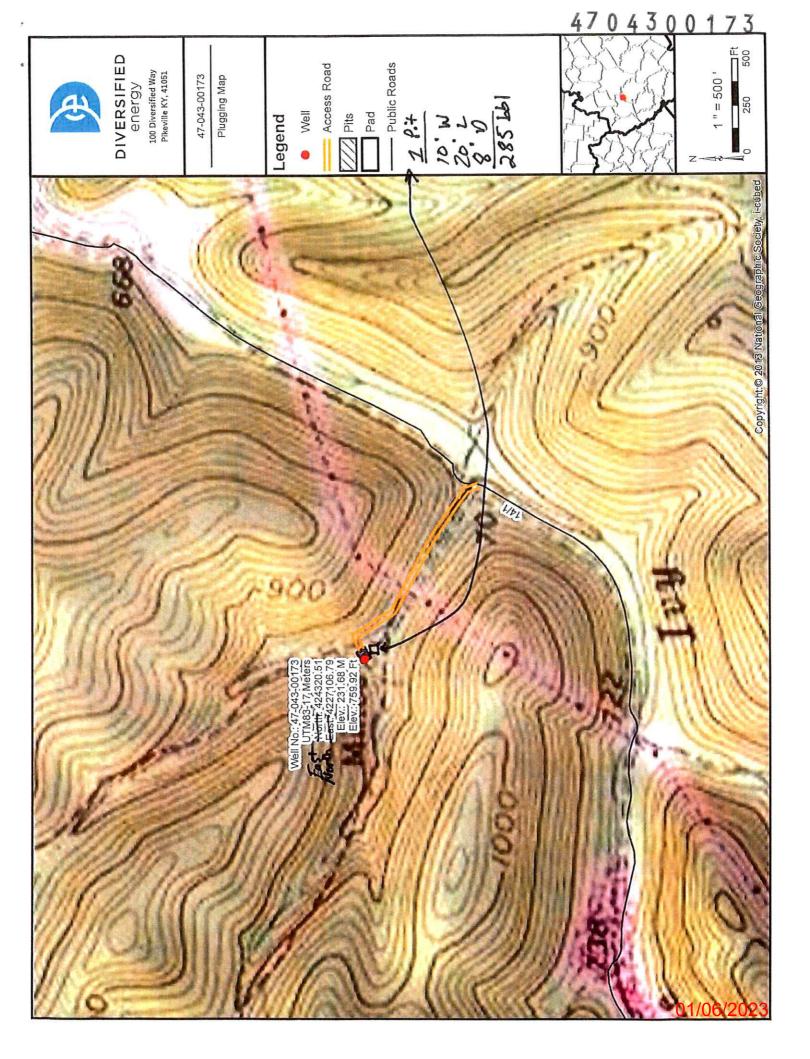
Proposed Revegetation Trea	tment: Acres Disturbed 1 +/-	Preveg etation pl	I
Lime 3	Tons/acre or to correct to pH	6.5	
Fertilizer type	10-20-20 or equivalent		
		s/acre	
Mulch_2	Tons/a	cre	
	Seed	l <u>Mixtures</u>	
Te	emporary	Permai	aent
Seed Type	lbs/acre	Seed Type	lbs/acre
Red Fescue	40	Red Fescue	15
Alsike	5	Alsike Clover	5
Annual Rye	15		
Plan Approved by:	m flor	£ 10	<u> </u>
Comments: EN5	Conthela to	DEP Regula	to
Confinents	C. Jours	C Co Signa	
Title: Enspet		Date: 12 8/202	²2



West Virginia Department of Environmental Protection Office of Oil and Gas

WELL LOCATION FORM: GPS

WELLLO	CATION FORM. OF 5			
_{API:} 4704300173	WELL NO.: 8	04655		
FARM NAME: Mohler Lum	iber Co			
RESPONSIBLE PARTY NAME:	Diversified Producti	on LLC		
COUNTY: Lincoln	bistrict: Wa	shington		
OUADRANGLE: Madison				
SURFACE OWNER: C/O Hatfie	eld-McCoy Regional Recre	eation Authority		
ROYALTY OWNER: Pardee Oil & Gas LLC				
UTM GPS NORTHING: 4227106.79				
UTM GPS EASTING: 424320		_{ION:} 759.92'		
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 leterated 2. Accuracy to Datum – 3.0 3. Data Collection Method: Survey grade GPS: Post President above plat for the control of the contr	or a plugging permit or assigned A as will not accept GPS coordinates: 17 North, Coordinate Units: me vel (MSL) – meters. 5 meters	API number on the es that do not meet		
Real-T	ime Differential			
Mapping Grade GPS X : Post	Processed Differential X			
	I-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 regulation	knowledge and		
Digitally signed by Austin Sutler Date: 2022.07.20 11:52:27 -04'00'	Plugging Manager	7/20/2022		
Signature	Title	Date		





4704300173

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:

47-043-00173

Mohler Lumber Co.

Well 804655

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.
- 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 4704300161 04300173 04302051 04302063

1 message

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

Thu, Jan 5, 2023 at 2:11 PM

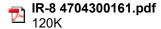
To: Brian Warden brian.warden@wv.gov>, Austin Sutler asutler@dgoc.com, Phyllis Copley <pcopley@dgoc.com>, guybrowning@lincolncountywv.org

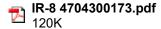
To whom it may concern, plugging permits have been issued for 4704300161 04300173 04302051 04302063.

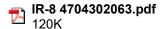
James Kennedy

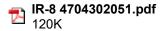
WVDEP OOG

8 attachments









4704300173.pdf 2238K

4704300161.pdf 2900K

4704302051.pdf 2189K

4704302063.pdf 2207K