

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

Tuesday, November 15, 2022
WELL WORK PLUGGING PERMIT
Vertical Plugging

DIVERSIFIED PRODUCTION LLC 101 MCQUISTON DRIVE

JACKSON CENTER, PA 16133

Re: Permit approval for 1 47-097-01390-00-00

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

Operator's Well Number:

Farm Name: HINKLE, BASIL, ETAL

U.S. WELL NUMBER: 47-097-01390-00-00

Vertical Plugging
Date Issued: 11/15/2022

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. 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 Sept	ember 29	,	2022
2) Operator	's		
Well No.	1 257-UC		
3)API Well	No. 47-097		- 01390

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

	APPLICATION FOR A PERM	MIT TO PLUG AND ABANDON
4)		d injection/ Waste disposal/ derground storage) Deep/ Shallow X
5)	Location: Elevation 1471.57 feet	Watershed Cutright Run of Buckhannon River
2.8	District Buckhannon	County Upshur Quadrangle Sago
6)	Well Operator Address Address Diversified Production LLC 414 Summers Street Charleston, WV 25301	7) Designated Agent Charles Shafer Address 414 Summers Street Charleston, WV 25301
8)	Oil and Gas Inspector to be notified Name Sam Ward	9) Plugging Contractor Name Next LVL Energy
	Address P.O. Box 2327	Address 1951 Pleasantview Ridge Road
	Buckhannon, WV 26201	Ravenswood, WV 26164
	Work Order: The work order for the mann	RECEIVED Office of Oil and Class
		OCT 1 3 2022 WV Department of Environmental Protection
Noti work	fication must be given to the district of can commence.	l and gas inspector 24 hours before permitted

4709701390

West Virginia, Upshur County API # 47-097-01390

Casing Schedule

13" csg @ 11' 8 5/8" csg @ 828' 4 ½" csg @ 4073' Unknown TOC TD @ 4073'

Completion: Benson (3963' to 3977')

Fresh Water: None Reported

Coal: None Reported
Oil Show: None Reported
Gas Show: None Reported

Elevation: 1470'

1. Notify inspector, Sam Ward @ 304-389-7583, 48 hrs. prior to commencing operations.

2. Tag TD w/ wireline.

3. TIH w/ tbg to 3977'. Kill well as needed with 6% bentonite gel. Pump 214' Class A/Class
L Cement Plug from 3763' to 3977'. (Completion) WCC + teg Plug SDW

4. TOOH w/ tbg to 3763'. Pump 6% bentonite gel from 1470' to 3763'

- 5. TOOH w/tbg. Free point, cut, and TOOH w/ 4 1/2" csg. 100' Class A/Class L Cement plug must be set 50' in/out of csg cut. Any plugs below must be perforated if csg remains at plug depth.
- 6. TIH w/ tbg to 1470'. Pump 200' Class A/Class L Cement plug from 1270' to 1470' (Elevation plug)
- 7. TOOH w/ tbg to 1270'. Pump 6% bentonite gel from 878' to 1270'
- 8. TOOH w/ tbg to 878'. Pump 100' Class A/Class L Cement plug from 778' to 878' (8 5/8" csg seat plug)
- 9. TOOH w/ tbg to 778'. Pump 6% bentonite gel from 200' to 778'
- 10. TOOH w/tbg. Free point, cut, and TOOH w/ 8 5/8" csg. 100' Class A/Class L Cement plug must be set 50' in/out of csg cut. Any plugs below must be perforated if csg remains at plug depth.
- 11. TIH w/ tbg to 200'. Pump 100' Class A/Class L Cement plug from 200' to surface (FW and surface plug)
- 12. Erect monument with API#, date plugged, & company name.
- 13. Reclaim location and road to WV-DEP specifications.

RECEIVED
Office of Oil and Gas

OCT 1 3 2022

WV Department of Environmental Protection

Spw 10/3/2022



4709701390 🔑

STATE OF WEST VIRGINIA DEPARTMENT OF MINES

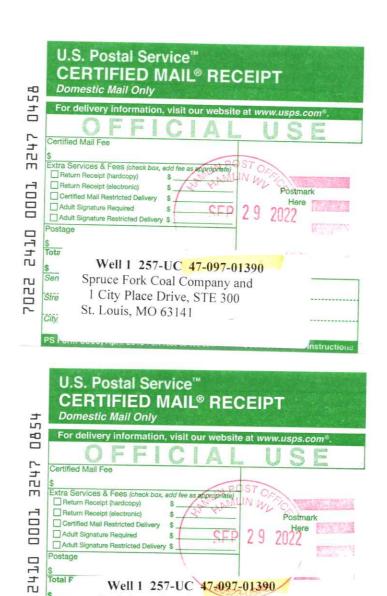
47-097-01390

Oil and Gas Division

Quadrangle Sago	WELL	RECORD	-3 Å	Rotary_X Cable Recycling	Gas_X	
					d Storage	
Permit No. UPS-1390	1		9	Disposal	(Kind)	
Company Union Drilling, Inc.		***************************************			POLISIA DE LA COMPANIA DEL COMPANIA DE LA COMPANIA DEL COMPANIA DE LA COMPANIA DE	
Address Box 347, Buckhannon, W.V.	26201	Casing and	Used in	Left	Cement fill up	
Farm Basil Hinkle, et.al. A	cres 49+	Tubing	Drilling	in Well	Cu. ft. (Sks.)	
Location (waters) Cutright Run	71 70 1	Size				
Well No. (1) # 257-UC E	ev. 1470'	20-16				
District	shur	Cond. 13-10" 13"	יבו	111	1	
The surface of tract is owned in fee by Basil Hinkle, et.al.		9 5/8	TT	<u> </u>		
Address Rt.3, Bx. 233, Buckhannon,		L 8 5/8	8281	8281	1	
Mineral rights are owned by Basil Hinkl Rt.3, Bx.23Address Buckhannon, W.	Va., 26201	7 5 1/2			*	
Drilling Commenced October 27, 197	1	4 1/2	40731	40731		
Drilling Completed November 2, 197	1	3				
Initial open flow 30,000 Bengon, Nat	 bbls. 	2				
Final production 1,000,000u. ft. per day		Liners Used				
Well open 5 Days hrs, before test	1250# RP.	-	L			
Well treatment details:		Attach copy of	cementing reco	ord.		
12/12/71 - Dowell - Benson Sa	nd - 31,250					
		VT 20-40 Bulk S			7	•
					\$	
Coal was encountered atFresh waterF Producing SandBensonF	ect	Salt V	Water		_ Feet	
Formation Color Hard or Soft	Top Feet	Bottom Feet	Oil, Gas o	r Water	* Remarks	•
Sand & Shale	0	95				
Sand Sand Shala	95	195				
Sand & Shale Sand	195 638	638				
Slate & Shale	790	790 1009		130	* ***********************************	7:71
Sand	1009	1048			4	1. 14
Slate	1048	1075	ļ	P		
Slate & Shale	1075	1318			FEB 2 n 1972	
Big Lime	1318	1444			RE	CEIVED
Sand	1444	1.530			Office of	f Oil and Gas
Sand & Shale Shale	1530 3950	3950 3963	1			
Benson Sand	3963	3977			OCT	1 3 2022
Shale	3977	Liou To	tal Depth			1 0 2022
					WV Dep Environmen	artment of tal Protection
				5		
			100	1.0	Deu 13/2022	

(over)

^{*} Indicates Electric Log tops in the remarks section.



Coal Quest Development LLC

1 City Place Drive, STE 300

St. Louis, MO 63141

RECEIVED Office of Oil and Gas

П

702

Street

City, S

SEP 3 0 2022

WV Department of Environmental Protection WW-4A Revised 6-07

1) I	Date:	September 29, 20)22		
	Operator' 1 257-UC	s Well Number			
3) A	.PI Well l	No.: 47 -	097	 01390	

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

	wner(s) to be served:	5) (a) Coal Operato		
(a) Name	Spruce Fork Coal Company	Name Name	None	
Address	1 City Place Drive, STE 300	Address		
	St. Louis, MO 63141			
(b) Name		(b) Coal O	wner(s) with Declaration	RECEIVED
Address		Name	Spruce Fork Coal Company	Office of Oil and Ga
		Address	1 City Place Drive	Ge Of Off and Ge
			St. Louis, MO 63141	DCT 1 9 2000
(c) Name		Name	Coal Quest Development LLC	201 1 9 2022
Address		Address	1 City Place Drive	WV Dan
	and the second s		St. Louis, MO 63141	WV Department of Environmental Protection
6) Inspector	Sam Ward	(c) Coal Le	essee with Declaration	rotection of the contraction of
Address	P.O. Box 2327	Name	No Declaration	
	Buckhannon, WV 26201	Address		
Telephone	304-389-7583			
TO THE P	ERSONS NAMED ABO	VE: You should have re-	ceived this Form and the follow	ing documents:
(1) T	ne application to Plug and Abandon a	Well on Form WW-4B, which	h sets out the parties involved in	the work and describes the
W	ell its and the plugging work order; as	nd		
(2) T	ne 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.

WEST L	OFFICIAL SEAL NOTARY PUBLIC	Well Operator By:	Austin Sutler Australia
意 意	STATE OF WEST VIRGINIA	Its:	Plugging Manager
置為門	Phyllis A. Copley	Address	414 Summers Street
	144 Willard Circle Hurricane, WV 25526	5 1	Charleston, WV 25301
My C	Commission Expires September 18, 2023	Telephone	304-419-2562
	and sworn before me thi	29th	ay of September, 202>

My Commission Expires
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.

WW-9 (5/16)

API No. 47 097 01390 Operator's Well No. Well 1 257-UC

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

	104504404
Operator realize	494524121
Watershed (HUC 10) Cutright Run of Buckhannon River Quadrangle Sago	
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 m	1.7 20
Proposed Disposal Method For Treated Pit Wastes:	10(3/2022
Land Application (if selected provide a completed form WW-9-0 Underground Injection (UIC Permit Number 2D08300792002 Reuse (at API Number	PP) (OLSIZOZZ
Off Site Disposal (Supply form WW-9 for disposal location) Other (Explain	
	DEGEN/ED
Will closed loop systembe used? If so, describe:	Office of Oil and Gas
Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil bas	ed, etc
-If oil based, what type? Synthetic, petroleum, etc	OCT 1 3 2022
Additives to be used in drilling medium?	WV Department of
Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc	Environmental Protection
-If left in pit and plan to solidify what medium will be used? (cement, lime, sawd	ust)
-Landfill or offsite name/permit number?	
Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cutting	
West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection where it was properly disposed.	and the permittee shall also disclose
I certify that I understand and agree to the terms and conditions of the GENERAL on April 1, 2016, by the Office of Oil and Cas of the West Virginia Department of Enviro provisions of the permit are enforceable by law. Violations of any term or condition of the or regulation can lead to enforcement action. I certify under penalty of law that I have personally examined and am familian application form and all attachments thereto and that, based on my inquiry of those individuate information, I believe that the information is true, accurate, and complete. I am awas submitting false information, including the possibility of fine or imprisonment. Company Official Signature Company Official (Typed Name) Austin Sutler Plugging Manager	nmental Protection. I understand that the general permit and/orother applicable law with the information submitted on this hals immediately responsible for obtaining are that there are significant penalties for
20 th so start	00 7 7
Subscribed and sworn before me this day of September	, 20) > Notary Public
My commission expires September 16, 2023	

			Α
	Tons/acre or to correct to p	H 6.5	
Fertilizer type	20-20 or equivalent		
Fertilizer amount_		lbs/acre	
Mulch_2	Ton:	s/acre	
	Se	ed Mixtures	
Te	emporary	Perma	nent
Seed Type	lbs/acre	Seed Type	lbs/acre
Red Fescue	40	Red Fescue	15
Alsike	5	Alside Clover	5
Annual Rye	15		
Maps(s) of road, location, p provided). If water from the (L, W), and area in acres, or	e pit will be land applied, provide	ication (unless engineered plans include water volume, include dimensions (L,	ding this info have been W, D) of the pit, and dimension
provided). If water from the (L, W), and area in acres, of Photocopied section of invo	e pit will be land applied, provide f the land application area.	ication (unless engineered plans include water volume, include dimensions (L,	W, D) of the pit, and dimension
Maps(s) of road, location, p provided). If water from the (L, W), and area in acres, of Photocopied section of invo	e pit will be land applied, provide f the land application area. blved 7.5' topographic sheet.	water volume, include dimensions (L,	W, D) of the pit, and dimension
Maps(s) of road, location, p provided). If water from the (L, W), and area in acres, of Photocopied section of invo	e pit will be land applied, provide f the land application area. blved 7.5' topographic sheet.	water volume, include dimensions (L,	W, D) of the pit, and dimension
Maps(s) of road, location, p provided). If water from the (L, W), and area in acres, of Photocopied section of invo	e pit will be land applied, provide f the land application area. blved 7.5' topographic sheet.	water volume, include dimensions (L,	RECEIVED Office of Oil and Ga OCT 1 3 2022
Maps(s) of road, location, p provided). If water from the (L, W), and area in acres, of Photocopied section of invo	e pit will be land applied, provide f the land application area. blved 7.5' topographic sheet.	water volume, include dimensions (L,	RECEIVED Office of Oil and Ga OCT 1 3 2022
Maps(s) of road, location, p provided). If water from the (L, W), and area in acres, of Photocopied section of invo	e pit will be land applied, provide f the land application area. blved 7.5' topographic sheet.	water volume, include dimensions (L,	RECEIVED Office of Oil and Ga OCT 1 3 2022
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Maps(s) of road, location, p provided). If water from the (L, W), and area in acres, of Photocopied section of invo	e pit will be land applied, provide f the land application area. Solved 7.5' topographic sheet.	water volume, include dimensions (L,	RECEIVED Office of Oil and Ga OCT 1 3 2022

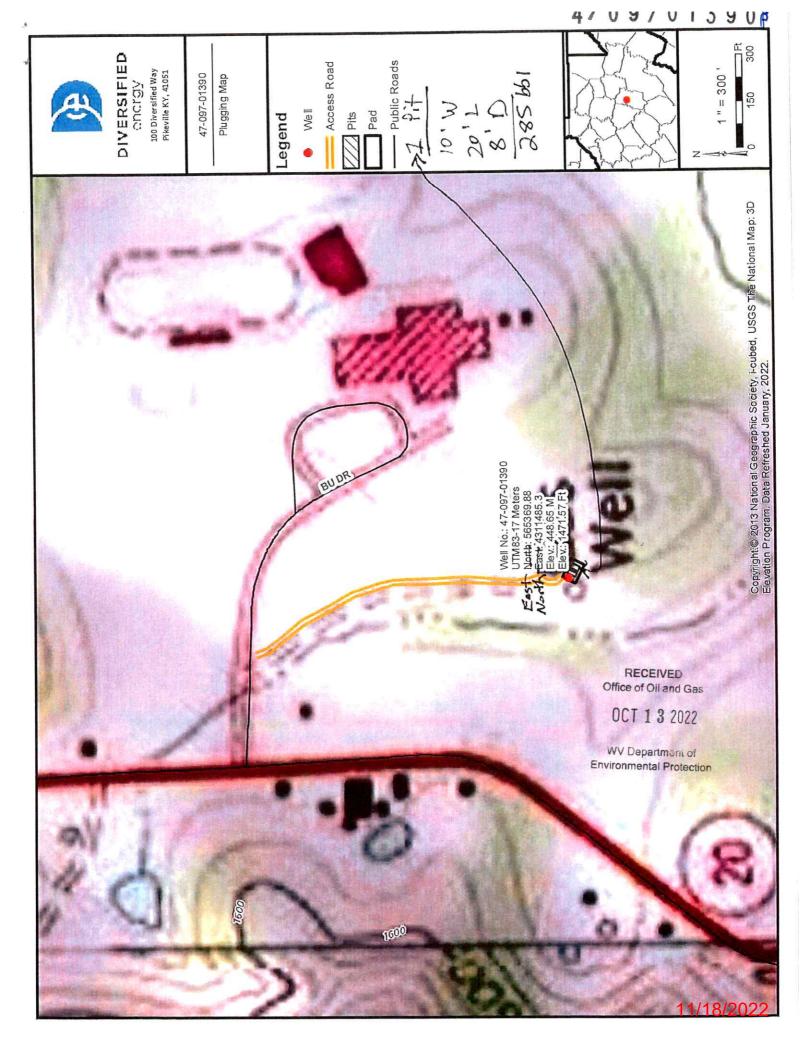
WW-7 8-30-06



West Virginia Department of Environmental Protection Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 4709701390	WELL NO.:	ne
FARM NAME: Basil Hinkle	et al	
RESPONSIBLE PARTY NAME:	Diversified Production	on LLC
COUNTY: Upshur	Buo	ckhannon
QUADRANGLE: Sago		
SURFACE OWNER: Spruce		/ INC
ROYALTY OWNER: Diversif	ied ABS II LLC	
UTM GPS NORTHING: 43114	85.3	
UTM GPS EASTING: 565369		_{ION:} 1471.57'
height above mean sea lev 2. Accuracy to Datum – 3.03 3. Data Collection Method:	r a plugging permit or assigned As will not accept GPS coordinate: 17 North, Coordinate Units: meyel (MSL) – meters.	API number on the es that do not meet eters, Altitude: RECEIVED Office of Oil and Gas
Survey grade GPS: Post Pro	me Differential	OCT 1 3 2022
Mapping Grade GPS X : Post		WV Department of Environmental Protection
4. Letter size copy of the to I the undersigned, hereby certify this belief and shows all the information of prescribed by the Office of Oil and O Digitally signed by Austin Sutler Date: 2022.04.12 15:59:12 -04'00'	data is correct to the best of my required by law and the regulations. Sr. Proj. Manager	knowledge and ons issued and 4/12/2022
Signature	Title	Date

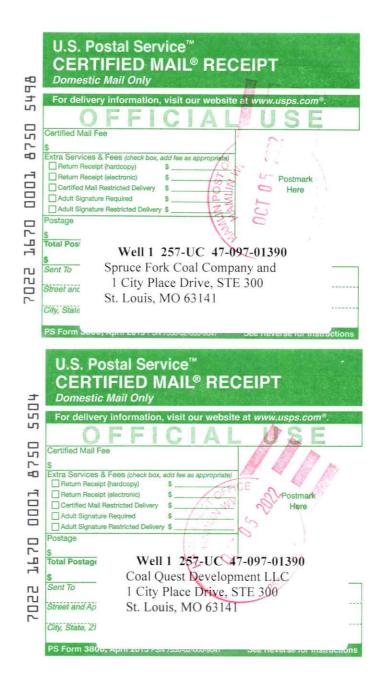




To Whom it May Concern,

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.





10/5/2022

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:

47-097-01390 Hinkle Basil 1

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, 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 SECTION 14.1. AND LEGISLATIVE RULE 35CSR8 SECTION 20.1, RELATING TO THE CEMENTING OF OIL AND GAS WELLS))))	ORDER NO.	2022-13
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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.
- 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 4709700343, 00884, 01390, 01790

1 message

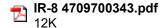
Kennedy, James P <james.p.kennedy@wv.gov> Tue, Nov 15, 2022 at 3:20 PM To: Samuel D Ward <samuel.d.ward@wv.gov>, Phyllis Copley <pcopley@dgoc.com>, Austin Sutler <asutler@dgoc.com>, dwzickefoose@upshurcounty.org

To whom it may concern, plugging permits have been issued for 4709700343, 00884, 01390, 01790.

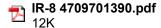
James Kennedy

WVDEP OOG

8 attachments







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IR-8 4709700884.pdf 12K

4709700884.pdf 3552K

TR-8 4709701790.pdf
12K

4709701790.pdf 2903K