

#### 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, August 31, 2023 WELL WORK PLUGGING PERMIT Vertical Plugging

UNKNOWN - DEP PAID PLUGGING CONTRACT 601 57TH STREET

CHARLESTON, WV 25304

Re:

Permit approval for GIRTA #5

47-105-01383-00-00

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. Mai

Chief

Operator's Well Number:

Farm Name: FOREST LAND GROUP

U.S. WELL NUMBER: 47-105-01383-00-00

Vertical Plugging

Date Issued: 8/31/2023

### 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. 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.
- 2. Well work activities shall not constitute a hazard to the safety of persons.
- 3. 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.

1)[	Date	6/14			,	20 23	
2)(	per	ator	's				
V	Vell	No.	Unknown	DEP Paid Plugg	ging	Contract	
3) F	API	Well	No.	47-105		- 01383	

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

APPLICATION FOR A PER	MIT TO PLUG AND ABANDON
4) Well Type: Oil X / Gas X / Liquid	d injection / Waste disposal /
	derground storage ) Deep / Shallow X
,	
5) Location: Elevation	Watershed 0503020310
District Murphy	County Wirt Quadrangle Girta
6) Well Operator Unknown DEP Paid Plugging Contract	
Address 601 57th Street	Address 601 57th Street
Charleston, WV 25304	Charleston, WV 25304
8) Oil and Gas Inspector to be notified	
Name_Joe Taylor	Name North Wind Site Services
Address 1478 Claylick Rd	Address 1425 Higham St
Ripley, WV 25271	Idaho Falls, ID 83402
See attached.	Office of Oil and Gass  AUG 2222023  AUG 2222023  AUG 2222023  AUG 2222023  Environmental Protection  Environmental Protection
Notification must be given to the district of work can commence.	il and gas inspector 24 hours before permitted

Work order approved by inspector

Date 6-22-23

08/29/2023



### STATE OF WEST VIRGINIA DEPARTMENT OF MINES

OIL AND GAS DIVISION

Shut in

WELL RECORD Dry Hole Oll or Gas Well\_ WIR-425 Permit No\_ Clyde Duskey Left in Well Used in Drilling Grantsville, West Virginia Tubing Farm Junior D. Eddie 200 2 Island Run Location (waters). 6331 Kind of Packer Well No. 1. District Clay County Wirt The surface of tract is owned in fee by Junior D. 15! Address MacFarlan 165' Mineral rights are owned by Junior D. Eddie Depth set 65% ' Address Macfarlan 5 3/16. Perf. top\_ 12-17-60 Drilling commenced\_ Perf. bottom January 1961 Drilling completed None Perf. top. Date Shot None Liners Used Perf. bottom Inch /10ths Water in Open Flow . Inch CASING CEMENTED No SIZE /10ths Merc. in Cu. :Ft. Volume\_\_\_ None hrs. Rock Pressure COAL WAS ENCOUNTERED AT None INCHES Oil 2 Gal over night bbls., 1st 24 hrs. INCHES WELL ACIDIZED. WELL FRACTURED RESULT AFTER TREATMENT ROCK PRESSURE AFTER TREATMENT. Fresh Water\_ Salt Water



47-105-01383

Girta #5

7" casing visible at surface

Well records: None

#### Offset well records for 47-105-00425 indicate:

Girta #1

Wirt County, WV

TD 375'

Elevation 633'

Casing Schedule:

8 1/4" @ 15'

6 5/8" @ 165'

Oil Show

327'

Water Show

160' and 30'

#### Notes

6% gel water is to be pumped between all cement plugs.

WW onmental Pgas, oil, Any casing that is not cemented in or unable to be retrieved, is to be perforated. water, and coal shows.

Class A Cement or Class L Cement is required.

#### Procedure

- 1) Notify Inspector Joe Taylor 304-380-7469 at least 48 hours prior to commencing plugging operations.
- 2) MIRU plugging equipment. RIH w/ wireline, check TD @ approximately 375'.
- 3) TIH w/ tubing to 375'. Pump cement from 375' to 115'. TOOH w/ tubing.
- 4) Free-point 6 5/8" casing. If casing is unable to be pulled, perforate casing @ 100' and 50'.
- 5) TIH w/ tubing to TOC. Circulate cement to surface. TOOH w/ tubing.

6) Top off well with cement as needed, set monument, reclaim to WV DEP Specs.

RECEIVED Gas

08/29/2023

1) Date:

6/14/2023

2) Operator's Well Number

Unknown DEP Paid Plugging Contract

3) API Well No.: 47 -

105

01383

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

4) Surface Own	ner(s) to be served: 5)	) (a) Coal Operator
(a) Name	DANIEL B & F JOY KUNSELMAN	Name
Address	810 New England Ridge Rd.	Address
	Washington, WV 26181	
(b) Name		(b) Coal Owner(s) with Declaration
Address		Name
		Address
(c) Name		Name
Address		Address
6) Inspector	Joe Taylor	(c) Coal Lessee with Declaration
Address	1478 Claylick Rd	(c) Coal Lessee with Declaration  Name  Address  Address
Address	Ripley, WV 25271	(c) Coal Lessee with Declaration  Name Address
Telephone	304-380-7469	Address Office a 1923
relephone	304-360-7409	
TO THE DE	DOONG NAMED A DOME	You should have received this Form and the following a comments:
The reason However, y Take notice accompany Protection, the Applica	ou are not required to take any action at all.  that under Chapter 22-6 of the West Virginia Coing documents for a permit to plug and abandon a with respect to the well at the location described	ode, the undersigned well operator proposes to file or has filed this Notice and Application and a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, ed or certified mail or delivered by hand to the person(s) named above (or by publication in
	Well Operato  OFFICIAL SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA RENAE DAWN WHITLOCK 01 57th Street, SE, Charleston, WV 25304 My Commission Expires April 06, 2027  Telephone	Unknown-DEP Paid Plugging Contact  Gason Harmu  601 575- St SE  Charleston W 25307  304-926-0450
Subscribed and Le Mag My Commission	The state of	day of Cugust 2003 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 <a href="mailto:depprivacyoffier@wv.gov">depprivacyoffier@wv.gov</a>.

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SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
■ Complete Items 1, 2, and 3.  ■ Print your name and address on the reverse so that we can return the card to you.  ■ Attach this card to the back of the mailpiece, or on the front if space permits.  1. Article Addressed to:  Kunschman  Stonew England Mogcld  Washington, WV Zlet 81	A. Signature  X Agent  Addressee  B. Received by (Printed Name)  C. Date of Delivery  Address different from Item 1?  Yes  If YES, enter delivery address below:
9590 9402 7657 2122 8124 54  2 Article Number (Transfer from service label) 7021 2720 0001 9027 32	3. Service Type  □ Adult Signature □ Adult Signature Restricted Delivery □ Certified Mail® □ Cortified Mail® Bestricted Delivery □ Collect on Delivery □ Collect on Delivery Restricted Delivery □ Collect on Delivery Restricted Delivery □ I Ball Restricted Delivery



#### 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	<b>)</b>		

#### 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. Gas Office of Oil and Gas 2023

M Debaument of 1. 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 I. 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.

AUG 22 2023

 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

#### SURFACE OWNER WAIVER

Operator's Well Number

Unknown DEP Paid Plugging Contract

#### **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.

Comments must be in writing. 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;
- The proposed well work lails to protect less water sources.
   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 Gaster violation...".

VOLUNTARY STATEMENT OF NO OBJECTION ronmental Protection of I hereby state that I have read the instructions to surface owners and that I have received to be so a Notice

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

and Application For A Permit To Plug And Abandon on Forms W	W-4A and WW-4B, and a survey plat.
I further state that I have no objection to the planned objection to a permit being issued on those materials. FOR EXECUTION BY A NATURAL PERSON ETC.	work described in these materials, and I have no FOR EXECUTION BY A CORPORATION,

EIU.					
		Date	Name		
	Signature		- By		
			Its		Date
				Signature	08/29/2023 Date

API No.

47-105-01383

Farm Name Well No. D.B. Kunselman & F. Joy Kunselman - GIRTA #5

### 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	
has examined this proposed plug	ging work order. The undersigned the well operator has complied w	has no objection to the work proposed to be with all applicable requirements of the West
Date:		NYS'L OH ON THOM
	Ву:	AUG Department Protection
	Its	Wyonnenu

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

	OP Code
Watershed (HUC: 10) 0503020310	Quadrangle Girta
Do you anticipate using more than 5,000 bbls of waw.  Will a pit be used? Yes No	ater to complete the proposed well work? Yes No
If so, please describe anticipated pit waste	
Will a synthetic liner be used in the pit? Y	Yes No If so, what ml.?
Proposed Disposal Method For Treated Pit	t Wastes:
Underground Injection ( Reuse (at API Number Off Site Disposal (Supp	( UIC Permit Number)  oly form WW-9 for disposal location)
**Any well effluent must be contained i	in tanks and disposed of off-site at an approved facility.
	and horizontal)? Air, freshwater, oil based, etc. N/A
-If oil based, what type? Synthetic, petrok	cum, etc.
Additives to be used in drilling medium? NA	
Drill cuttings disposal method? Leave in pit, landfil	
	ium will be used? (cement, lime, sawdust)
	or on and cars or any load or arm curriags of associated waste rejected at any
West Virginia solid waste facility. The notice shall the where it was properly disposed.	be provided within 24 hours of rejection and the permittee shall also disclose
West Virginia solid waste facility. The notice shall is where it was properly disposed.  I certify that I understand and agree to the on April 1, 2016, by the Office of Oil and Gas of it provisions of the permit are enforceable by law. Vicor regulation can lead to enforcement action.  I certify under penalty of law that I have application form and all attachments thereto and tha	terms and conditions of the GENERAL. WATER POLLUTION PERMIT iss he West Virginia. Department of Environmental Protection. I understand that plations of any term or condition of the general permit and/orother applicable to personally examined, and am familiar with the information submitted on at, based on my inquiry of those individuals immediately, responsible for o btain true, accurate, and complete. I am aware that there are significant penaltics
West Virginia solid waste facility. The notice shall a where it was properly disposed.  I certify that I understand and agree to the on April 1, 2016, by the Office of Oil and Gas of the provisions of the permit are enforceable by law. Vio or regulation can lead to enforcement action.  I certify under penalty of law that I have application form and all attachments thereto and that the information, I believe that the information is to	terms and conditions of the GENERAL. WATER POLLUTION PERMIT is she West Virginia. Department of Environmental Protection. I understand that plations of any term or condition of the general permit and/or other applicable to personally examined, and am familiar with the information submitted on at, based on my inquiry of those individuals immediately, responsible for o btaining, accurate, and complete. I am aware that there are significant penalties ity of fine or imprisonment.
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	eatment: Acres Disturbed 0.5	J 	Preveg etation pH	~
Lime 2 - 3	Tons/acre or to correct	to pH		
Fertilizer type 10	0-10-20 or similar			
Fertilizer amount	300 Temp -500 Permanent	lbs/acre		
Mulch_ Hay/Stra	w 2 to 3	Tons/acre		
		Seed Mixtur	es	
	Temporary		Permanent	
Seed Type	lbs/acre		Seed Type	lbs/acre
Sudangrass	40-60	Cro	ownvetch/Tall Fescue	10-15/30
(L, W), and area in acres, o	ne pit will be land applied, pro- of the land application area.	application (ur vide water volu	less engineered plans including t me, include dimensions (L, W, D	his info have been  o) of the pit, and dimens
(L, W), and area in acres, or Photocopied section of inverse Plan Approved by:	ne pit will be land applied, proposition of the land application area.  Followed 7.5' topographic sheet.	ride water volu	me, include dimensions (L, W, D	) of the pit, and dimens
(L, W), and area in acres, or Photocopied section of inverse Plan Approved by:	ne pit will be land applied, pro- of the land application area.	ride water volu	Me, include dimensions (L, W, D)	of the pit, and dimens



