



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

Monday, August 12, 2024
WELL WORK PLUGGING PERMIT
Vertical Plugging

WV MINERAL GROUP LLC
PO BOX 167

LUMBERPORT, WV 26386

Re: Permit approval for 1-1655
47-001-01676-00-00

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: 1-1655
Farm Name: HOFFMAN, ARLIN
U.S. WELL NUMBER: 47-001-01676-00-00
Vertical Plugging
Date Issued: 8/12/2024

A blue ink signature of James A. Martin, written in a cursive style.

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.
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.

4700101676P

WW-4B
Rev. 2/01

- 1) Date July 17, 2024
- 2) Operator's
Well No. Dorothy Hoffman & Frank James Hoffman
- 3) API Well No. 47-001-01676

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil / Gas / Liquid injection / Waste disposal /
 (If "Gas, Production or Underground storage) Deep / Shallow

5) Location: Elevation 1637.12' Watershed Teter Creek
 District Cove County Barbour Quadrangle Nestorville 7.5'

6) Well Operator WV Mineral Group, LLC 7) Designated Agent Carolinda Flanagan
 Address PO Box 167 Address PO Box 167
Lumberport, WV 26836 Lumberport, WV 26386

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
 Name Randall Kirchberg Name Next LVL Energy (Diversified Owned)
 Address PO Box 1052 Address 104 Helliport Loop Rd
Buckhannon, WV 26201 Bridgeport, WV 25330

10) Work Order: The work order for the manner of plugging this well is as follows:

See Attached

✓ RECEIVED
 OFF
 AUG 2 2024
 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 Randall M. Kirchberg Digitally signed by Randall M. Kirchberg
Date: 2024.07.31 13:11:39 -04'00' Date July 31, 2024

08/16/2024

Plugging Prognosis

API #: 47-001-01676

West Virginia, Barbour County

Lat/Long – 39.212294, -79.92069

Nearest ER: Broaddus Hospital: Emergency Room – 1 Healthcare Dr, Philippi, WV 26416

Casing Schedule

11-3/4" @ 39' – Assumed size due to vagueness of Well Operator's Report – Proposed Work Order had

11-3/4" (Assuming Driven)

8-5/8" @ 1029.9' – Cemented w/ 289 cu. Ft. – ETOC CTS using 11" O.H. ✓

4-1/2" @ 5464.1' – Cemented w/ 930 cu. ft. – ETOC @ 1398' using 7-7/8" O.H. ✓

TD @ 5531'

Original Completion: 2nd Elk – Perfs 5353'-5372', 1st Elk – Perfs 4982.5'-4988.5', Alexander – Perfs 4325'-4329', Benson – Perfs 4094'-4098', 5th Sand – Perfs 2459'-2465'

Fresh Water: 135'

Salt Water: None Reported

Gas Shows: None Reported

Oil Shows: None Reported

Coal: 151'-154', 376'-383'

Elevation: 1635'

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1. Notify Inspector Randy Kirchberg @ 681-781-9890, 48 hrs prior to commencing operations.
2. Check and record pressures on csg/tbg.
3. Check TD w/ sandline/wireline/tbg.
4. **Pump Gel between each plug.**
5. Find TOC/freepoint on 4-1/2" csg. Record for later use.
6. Run in to 5521'. Kill well as needed with 6% bentonite gel and fill rat hole with gel. Pump at least 20 bbls gel. Run in to 5464' not 5521' as 4-1/2" casing is set at 5464 feet. (RMK)
7. TOOH w/ tbg to 5422'. Pump 490' Class L cement plug from 5422' to 4932' (Completion Plug – 1st & 2nd Elk). Approximately 39 sks @ 1.14 yield. WOC. Tag TOC. Top off as needed. Do not omit any plugs listed below. Perforate as needed.
- TOOH to 4379' not 4375' (RMK) 8. TOOH w/ tbg to 4375'. Pump 335' Class L cement plug from 4379' to 4044' (Completion Plug – Alexander & Benson). Approximately 27 sks @ 1.14 yield. WOC. Tag TOC. Top off as needed. Do not omit any plugs listed below. Perforate as needed.
9. TOOH w/ tbg to 2515'. Pump 106' Class L cement plug from 2515' to 2409' (Completion Plug – 5th Sand). Approximately 9 sks @ 1.14 yield. WOC. Tag TOC. Top off as needed. Do not omit any plugs listed below. Perforate as needed.
10. TOOH w/ tbg to 1685'. Pump 100' Class L cement plug from 1685' to 1585' (Elevation Plug). Approximately 8 sks @ 1.14 yield. WOC. Tag TOC. Top off as needed. Do not omit any plugs listed below. Perforate as needed.
11. Cut 4-1/2" csg at freepoint, TOOH laying down.

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12. Pump Class L cement plug 50' in/out of 4-1/2" csg cut. Approximately 19 sks @ 1.14 yield. WOC. Tag TOC. Top off as needed. Do not omit any plugs listed below. Perforate as needed.
13. TOOH w/ tbg to 1080'. Pump 100' Class L cement plug from 1080' to 980' (8-5/8" Csg Shoe Plug). Approximately 31 sks @ 1.14 yield. WOC. Tag TOC. Top off as needed. Do not omit any plugs listed below. Perforate as needed.
14. If 8-5/8" does not have cement to surface, free point 8-5/8" csg. If reasonable amount can be recovered, cut and TOOH. Set 100' Class L cement plug across csg cut. 50' in/out of cut. TOOH w/ tbg to top of plug. Do not omit any plugs listed below. Perforate as needed. Attempt to recover the 11" casing unless covered by the 8-5/8" cement job (RMK)
15. TOOH w/ tbg to 433'. Pump 433' **Expanding Class L** cement plug from 433' to Surface (Coal, Fresh Water & Surface Plug). Approximately 139 sks @ 1.14 yield. WOC. Tag TOC. Top off as needed. Do not omit any plugs listed below. Perforate as needed.
16. Reclaim location and well road to WV DEP specifications and erect P&A well monument.

Randall M. Kirchberg

Digitally signed by Randall M.
Kirchberg
Date: 2024.07.31 13:12:39 -04'00'

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JUN 27 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

State of West Virginia

Department of Mines
Oil and Gas Division

Operator's Well No. 4700101676
Farm Arlin Hoffman #1
API No. 47-001-1676

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil Gas / Liquid Injection / Waste Disposal
(If "Gas," Production / Underground Storage / Deep / Shallow)

LOCATION: Elevation 1635 Watershed Peter Creek
District Cove County Barbour Quadrangle Nestorville

COMPANY Union Drilling, Inc.
ADDRESS P.O. Drawer 40, Buckhannon, WV 26201
DESIGNATED AGENT Union Drilling, Inc.
ADDRESS P.O. Drawer 40, Buckhannon, WV 26201
SURFACE OWNER Mr. & Mrs. Arlin J. Hoffman
ADDRESS Rt. 1, Moatsville, WV 26405
MINERAL RIGHTS OWNER Same as Surface
ADDRESS Same as Surface
OIL AND GAS INSPECTOR FOR THIS WORK Robert Stewart
ADDRESS P.O. Box 343, Jane Lew, WV
PERMIT ISSUED 12-10-81
DRILLING COMMENCED 12-13-81
DRILLING COMPLETED 01-04-82
IF APPLICABLE: PLUGGING OF DRY HOLE OR CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size			
22-16 Cord.			
13-10"	39'	39'	
9 5/8"			
8 5/8"	1029.9	1029.9	289 cf
5 1/2"			
4 1/2"	5464.1	5464.1	930 cf
3"			
2"			
Liners used			

1082.6
67x.77r
62x.0625
3.1416
13.15 C
Rat 142x

GEOLOGICAL TARGET FORMATION Elk Depth 5600 feet
Depth of completed well 5531 feet Rotary / Cable Tools
Water strata depth: Fresh 1" @ 135' feet; Salt feet
Coal seam depths: 151-154, 376-383 Is coal being mined in the area? No

OPEN FLOW DATA
Producing formation 5th Sand Pay zone depth 2465 feet
Gas: Initial open flow Show Mcf/d Oil: Initial open flow Bbl/d
Final open flow 120 Mcf/d Final open flow Bbl/d
Time of open flow between initial and final tests ? / hours
Static rock pressure 1175# psig (surface measurement) after 24 hours shut in
(If applicable due to multiple completion--)
Second producing formation Benson Pay zone depth 03816/2024 feet
Gas: Initial open flow Show Mcf/d Oil: Initial open flow Bbl/d

2459/65 ----- 5th Sand ----- 40,000# Sand ----- 295 bbls water
 4094/98 ----- Benson ----- 45,000# Sand ----- 325 bbls water
 4325/29 ----- Alexander ----- 45,000# Sand ----- 392 bbls water
 4982.5/8.5;5353/72 ----- 1st & 2nd Elk ----- 17,000# Sand ----- 360 bbls water

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Top Soil			0	5	
Sand & Shale			5	151	1" water @ 135'
Coal			151	154	Coal @ 151-154
Sand & Shale			154	376	Coal @ 376-383
Coal			376	383	
Sand & Shale			383	1326	
Big Line			1326	1412	
Big Injun			1412	1536	
Sand & Shale			1536	1552	
Weir			1552	1580	
Sand & Shale			1580	2406	
5th Sand			2406	2480	
Sand & Shale			2480	2986	
Speechly			2986	3080	
Sand & Shale			3080	3214	
Balltown			3214	3224	
Sand & Shale			3224	4100	
Benson			4100	4114	
Sand & Shale			4114	4300	
Alexander			4300	4352	
Sand & Shale			4352	5338	
2nd Elk			5338	5394	
Sand & Shale			5394	5531	

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 Environmental Protection

(Attach separate sheets as necessary)

UNION DRILLING, INC.
 Well Operator
 By: *Joseph C. Pettey*
 Date: 7/21/82 - Joseph C. Pettey, Vice Production
 08/16/2024

Address P. O. Drawer 40
Buckhannon, WV 26031

4700101676P

GEOLOGICAL TARGET FORMATION, Elk

Estimated depth of completed well, 5600 feet Rotary / Cable tools

Approximate water strata depths: Fresh, ? feet; salt, ? feet.

Approximate coal seam depths: ? Is coal being mined in the area? Yes / No

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS		Weight per-ft	FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS		
	Size	Grade		Now	Used		For drilling	Left in well	Kinds
Conductor	11 3/4"			X		20'	20'		
Fresh Water									
Coal									
Intermediate	8 5/8"		20#	X		950'	950'	to surface	
Production	4 1/2"		10 1/2#	X			5500'	600 sks. or as req. by rule 15.01	Depths set
Tubing									Perforations: /
Liners									Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved

for drilling. This permit shall expire if operations have not commenced by 8-25-82

[Signature]
Deputy Director - Oil & Gas Division

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The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof.

WAIVER

The undersigned coal operator / owner / lessee of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. 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.

08/16/2024

47001016769

WW-4A
Revised 6-07

1) Date: 7/17/2024
2) Operator's Well Number Dorothy Hoffman & Frank James Hoffman

3) API Well No.: 47 - 001 - 01676

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

4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Dorothy Hoffman</u>	Name <u>None Reported</u>
Address <u>598 Bud Edge Rd.</u>	Address _____
<u>Moatsville, WV 26405</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Shiloh Development, Inc.</u>
_____	Address <u>587 Willow Way</u>
_____	<u>Flemington, WV 26347</u>
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Randall Kirchberg</u>	(c) Coal Lessee with Declaration
Address <u>PO Box 1052</u>	Name _____
<u>Buckhannon, WV 26201</u>	Address _____
Telephone <u>(681) 781-9890</u>	_____

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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 person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.

Well Operator WV Mineral Group
 By: Carolinda Flanagan
 Its: Office Manager, DESIGNATED AGENT
 Address PO Box 167
Lumberport, WV 26386
 Telephone 304-848-8140



Subscribed and sworn before me this 23rd day of July, 2024
Carol J. Minnik
 My Commission Expires July 16, 2025

Oil and Gas Privacy Notice

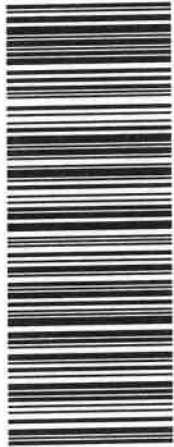
The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory 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 depprivacyofficer@wv.gov.

08/16/2024

4700101676P

Diversified Gas & Oil Corporation
Permitting Department
414 SUMMERS STREET
2ND. FLOOR
CHARLESTON WV 25301

USPS CERTIFIED MAIL™



9407 1362 0855 1592 5724 47



DOROTHY HOFFMAN
598 BUD EDGE RD
MOATSVILLE WV 26405-8360

US POSTAGE AND FEES PAID
2024-07-30
25301
C4000004
Retail
4.0 OZ/FLAT



0901000010730



08/16/2024

SURFACE OWNER WAIVER

4700101676P

Operator's Well
Number

Dorothy Hoffman & Frank James Hoffman

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

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WV Department of
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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;
- 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 survey plat.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON
ETC.

FOR EXECUTION BY A CORPORATION,

_____	Date _____	Name _____
Signature		By _____
		Its _____
		Date _____

Signature

Date

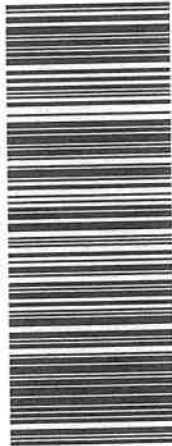
08/16/2024

4700101676P

Diversified Gas & Oil Corporation
Permitting Department
414 SUMMERS STREET
2ND. FLOOR
CHARLESTON WV 25301

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SHILOH DEVELOPMENT INC
587 WILLOW WAY
FLEMINGTON WV 26347-6511

US POSTAGE AND FEES PAID
2024-07-30
25301
C4000004
Retail
4.0 OZ FLAT



0901000010737



08/16/2024

4700101676P

WW-4B

API No. 4700101676
Farm Name Myers
Well No. Dorothy Hoffman & Frank James Hoffman

**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 than 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.

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Environmental Protection

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: _____

By: _____

Its _____

08/16/2024

4700101676P

Date: 7/17/2024

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, DGO will be utilizing Class L cement to plug the following well:

API Number 4700101676 Well Name Dorothy Hoffman & Frank James Hoffman

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

Sincerely,

Chris Veazey
Permitting Supervisor
304-590-7707

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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)
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

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 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.

4. 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 monogrammed 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

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4700101676P

WW-9
(5/16)

API Number 47 - 001 - 01676
Operator's Well No. Dorothy Hoffman & Frank James Hoffman

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

Operator Name: WV Mineral Group LLC OP Code 494528756

Watershed(HUC 10) Teter Creek Quadrangle Nestorville 7.5'

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 No

If so, please describe anticipated pit waste: Production 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 2D03902327 002)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain _____)

Will closed loop system be used? If so, describe: N/A

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. N/A RECEIVED
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-If oil based, what type? Synthetic, petroleum, etc. N/A

Additives to be used in drilling medium? N/A AUG 2 2024

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. N/A WV Department of
Environmental Protection

-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 submitting false information, including the possibility of fine or imprisonment.

Company Official Signature Carolinda Flanagan

Company Official (Typed Name) Carolinda Flanagan

Company Official Title Office Manager, DESIGNATED AGENT

Subscribed and sworn before me this 23rd day of July

Carol J. Minnix
My commission expires July 16, 2025



Proposed Revegetation Treatment: Acres Disturbed +/- 1 ac. Prevegetation pH

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20 or Equivalent

Fertilizer amount TBD lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
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 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.

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Plan Approved by: Randall M. Kirchberg Digitally signed by Randall M. Kirchberg Date: 2024.07.31 13:12:01 -0400

WV Department of Environmental Protection

Comments:

Title: WV DEP Oil & Gas Inspector Date: July 31, 2024

Field Reviewed? (X) Yes () No



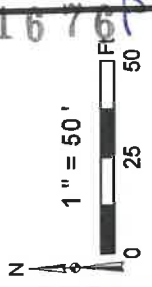
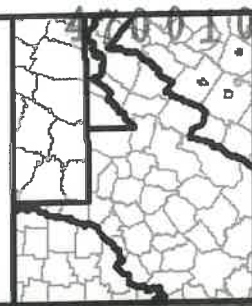
Diversified Gas & Oil
Corporation
100 Diversified Way
Pikeville KY, 41051

47-001-01676

Well Plugging Map

Legend

- Well
- Access Road
- Pits
- Pad
- Public Roads



Well No.: 47-001-01676
UTM83-17, Meters
North: 4340906.39
East: 593166.47
Elev.: 499.12 M
Elev.: 1637.12 Ft

Primary Pit

Secondary Pit

2

08/16/2024

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community








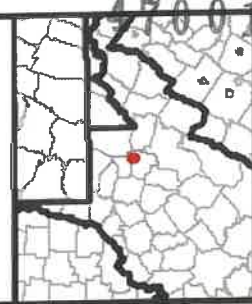
Diversified Gas & Oil Corporation
100 Diversified Way
Pikeville KY, 41051

47-001-01676

Well Plugging Map

Legend

-  Well
-  Access Road
-  Pits
-  Pad
-  Public Roads



1" = 200'
0 100 200
Ft

Well No.: 47-001-01676
UTM83-17/Meters
North: 4340906.39
East: 593166.47
Elev.: 499.12 M
Elev.: 1637.12 Ft



2

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WW-7
8-30-06



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

API: 4700101676 WELL NO.: Dorothy Hoffman & Frank James Hoffman

FARM NAME: Myers

RESPONSIBLE PARTY NAME: WV Mineral Group LLC

COUNTY: Barbour DISTRICT: Cove

QUADRANGLE: Nestorville 7.5'

SURFACE OWNER: Dorothy Hoffman

ROYALTY OWNER: Arlin J. Hoffman

UTM GPS NORTHING: 4340906.39

UTM GPS EASTING: 593166.47 GPS ELEVATION: 1637.12'

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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:

- 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
Real-Time Differential
Mapping Grade GPS : Post Processed Differential
Real-Time Differential
- 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.

Carolinda Flanagan
Signature

Carolinda Flanagan - Office Manager
Title DESIGNATED AGENT

7/23/24
Date

08/16/2024

11/10/2016

PLUGGING PERMIT CHECKLIST
4700101676

Plugging Permit

- WW-4B
- WW-4B signed by inspector
- WW-4A
- SURFACE OWNER WAIVER or PROOF THAT APPLICATION WAS SENT BY REGISTERED OR CERTIFIED MAIL
- 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

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