



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, December 5, 2022
WELL WORK PLUGGING PERMIT
Vertical Plugging

DIVERSIFIED PRODUCTION LLC
101 MCQUISTON DRIVE

JACKSON CENTER, PA 16133

Re: Permit approval for 1-182-U
47-097-01123-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926- 0450.

James A. Martin
Chief

Operator's Well Number:
Farm Name: CRITES, PAUL & BERTHA
U.S. WELL NUMBER: 47-097-01123-00-00
Vertical Plugging
Date Issued: 12/5/2022

Promoting a healthy environment.

12/09/2022

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.

4709701123

- 1) Date September 28, 2022
- 2) Operator's
Well No. Well 1
- 3) API Well No. 47-097 - 01123

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 X / Liquid injection ___ / Waste disposal ___ /
(If "Gas, Production X or Underground storage ___) Deep ___ / Shallow X
- 5) Location: Elevation 1502.11 feet Watershed Glady Fork of Right Fork Stonecoal Crk
District Buckhannon County Upshur Quadrangle Crawford NE
- 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
Name Sam Ward Name Next LVL Energy
Address P.O. Box 2327 Address 1951 Pleasantview Ridge Road
Buckhannon, WV 26201 Ravenswood, WV 26164

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

See Attached

RECEIVED
Office of Oil and Gas
OCT 13 2022
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 S. D. Ward Date 10/13/2022

12/09/2022

4709701123

47-097-01123

Form OG-10



STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION

- Rotary [x] Spudder [] Cable Tools [] Storage []

Quadrangle Crawford NE Permit No. UPS-1123

WELL RECORD

Oil or Gas Well Gas (KIND)

Company Union Drilling, Inc. Address Box 345, Buckhannon, W. Va., 26201 Farm Paul & Bertha Crites Acres 49.92+ Location (waters) Right Fork of Gladly Fork Well No. (1) 182-U Elev. 1505' District Buckhannon County Upshur

Table with 8 columns: Formation, Color, Hard or Soft, Top, Bottom, Oil, Gas or Water, Depth, Remarks. Rows include Red Rock & Shale, Sand, Shale, Sand & Shale, Coal, Shale, Sand & Shale, Sand, Sand & Shale, Sand, Sand & Shale, Sand, Sand & Shale, Sand, Red Rock, Sand, Red Rock & Shale, Big Lime, Injun Sand, Sand & Shale, Sand, Red Rock, Sand & Shale, Shale, Riley Stringers, Shale, Riley Stringers, Shale, Benson Sand, Shale & Lime Streaks.



50W 10/31/2022

12/09/2022

PLUGGING PROGNOSIS

West Virginia, Upshur County
API # 47-097-01123

Casing Schedule

13" csg @ 17'
8 5/8" csg @ 984'
4 1/2" csg @ 4207' estimated TOC at 2400'
TD @ 4207'

Completion: 4125' to 4144'

Fresh Water: 120'

Coal: 500'

Oil Show: no shows

Gas Show: no shows

Elevation: 1505'

1. Notify inspector, Sam Ward @ 304-389-7583, 48 hrs. prior to commencing operations.
2. Tag TD w/ wireline.
3. TIH w/ tbg to 4144'. Kill well as needed with 6% bentonite gel. Pump 219' Class A/Class L Cement Plug from **3925' to 4144'**. (Completion) *WOC + tag Plug SDW*
4. TOOH w/ tbg to 3925'. Pump 6% bentonite gel from 1505' to 3925'
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 1405'. Pump 100' Class A/Class L Cement plug from **1405' to 1505'** (Elevation)
7. TOOH w/ tbg to 1405'. Pump 6% bentonite gel from 1034' to 1405'
8. TOOH w/ tbg to 1034'. Pump 100' Class A/Class L Cement plug from **934' to 1034'** (8 5/8" csg seat)
9. TOOH w/ tbg to 934'. Pump 6% bentonite gel from 550' to 934'
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 550'. Pump 100' Class A/Class L Cement plug from **450' to 550'** (Coal)
12. TOOH w/ tbg to 450'. Pump 6% bentonite gel from 200' to 450'
13. TOOH w/ tbg to 200'. Pump 200' Class A/Class L Cement Plug **surface to 200'** (FW)
14. Erect monument with API#, date plugged, & company name.
15. Reclaim location and road to WV-DEP specifications.

RECEIVED
Office of Oil and Gas

OCT 13 2022

WV Department of
Environmental Protection

Sam Ward
10/13/2022

12/09/2022

4709701123

WW-4A
Revised 6-07

1) Date: September 28, 2022
2) Operator's Well Number
1
3) API Well No.: 47 - 097 - 01123

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

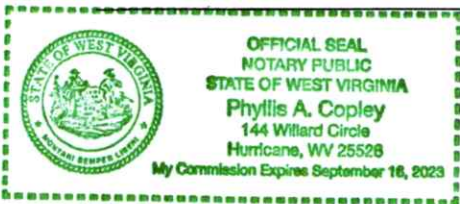
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Thomas W. & Teresea F. Crites</u>	Name <u>None</u>
Address <u>4804 Gladly Fork Road</u>	Address _____
<u>Buckhannon, WV 26201</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Rosco LLC</u>
_____	Address <u>P.O. Box 397</u>
_____	<u>Glenville, WV 26351</u>
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Sam Ward</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 2327</u>	Name <u>No Declaration</u>
<u>Buckhannon, WV 26201</u>	Address _____
Telephone <u>304-389-7583</u>	_____

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 Diversified Production, LLC
 By: Austin Suller
 Its: Plugging Manager
 Address 414 Summers Street
Charleston, WV 25301
 Telephone 304-419-2562

Subscribed and sworn before me this 28th day of September, 2022
Phyllis A. Copley Notary Public
 My Commission Expires September 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 depprivacyofficer@wv.gov.

12/09/2022

47-097-01123

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Adult Signature Required \$ _____

Adult Signature Restricted Delivery \$ _____

Postage
 \$ _____

Total
 \$ _____

Sent To: **Well 1 47-097-01123**
 Thomas W. & Teresea F. Crites
 4804 Gladly Fork Road
 Buckhannon, WV 26201

Postmark Here
 SEP 29 2022
 25523-USPS

PS Form 3800, July 2019 See reverse for instructions

Well 1

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 Office of Oil and Gas
 SEP 29 2022
 WV Department of
 Environmental Protection

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Adult Signature Restricted Delivery \$ _____

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Total
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Sent To: **Well 1 47-097-01123**
 Roscco LLC
 P.O. Box 397
 Glenville, WV 26351

Postmark Here
 SEP 28 2022
 25523-USPS

PS Form 3800, July 2019 See reverse for instructions

12/09/2022

4709701123

WW-9
(5/16)

API No. 47 097 01123
Operator's Well No. Well 1

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

Operator Name Diversified Production LLC OP Code 494524121

Watershed (HUC 10) Glady Fork of Right Fork Stonecoal Creek Quadrangle Crawford NE

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: 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:

SDW 10/3/2022

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection (UIC Permit Number: 2D08300792002)
- 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: _____

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. _____

-If oil based, what type? Synthetic, petroleum, etc. _____

Additives to be used in drilling medium? _____

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. _____

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) _____

-Landfill or offsite name/permit number? _____

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 *Austin Suttler*

Company Official (Typed Name) Austin Suttler

Company Official Title Plugging Manager



Subscribed and sworn before me this 28th day of September, 2022

Phyllis A. Copley Notary Public

My commission expires September 16, 2023

12/09/2022

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

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20 or equivalent

Fertilizer amount lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary

Permanent

Seed Type	lbs/acre
Red Fescue	40
Alsike	5
Annual Rye	15

Seed Type	lbs/acre
Red Fescue	15
Alsike Clover	5

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.

Plan Approved by: [Signature]

Comments:

RECEIVED Office of Oil and Gas

OCT 13 2022

Title: OOG Inspector Date: 10/3/2022

Field Reviewed? () Yes (X) No

WV Department of Environmental Protection



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

API: 4709701123 WELL NO.: 1

FARM NAME: Paul & Bertha Crites

RESPONSIBLE PARTY NAME: Diversified Production

COUNTY: Upshur DISTRICT: Buckhannon

QUADRANGLE: Crawford NE

SURFACE OWNER: Thomas & Theresa Crites

ROYALTY OWNER: Dean Family Trust and Diversified ABS II LLC

UTM GPS NORTHING: 4310234.18

UTM GPS EASTING: 560317.39 GPS ELEVATION: 1502.11

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:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS : Post Processed Differential

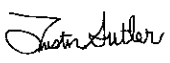
Real-Time Differential

Mapping Grade GPS X: Post Processed Differential X

Real-Time Differential

4. **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.


Signature

Digitally signed by Austin Suttler
Date: 2022.04.11 16:22:40
-04'00'

Sr. Proj. Manager
Title

4/11/2022
Date

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OCT 13 2022
WV Department of
Environmental Protection



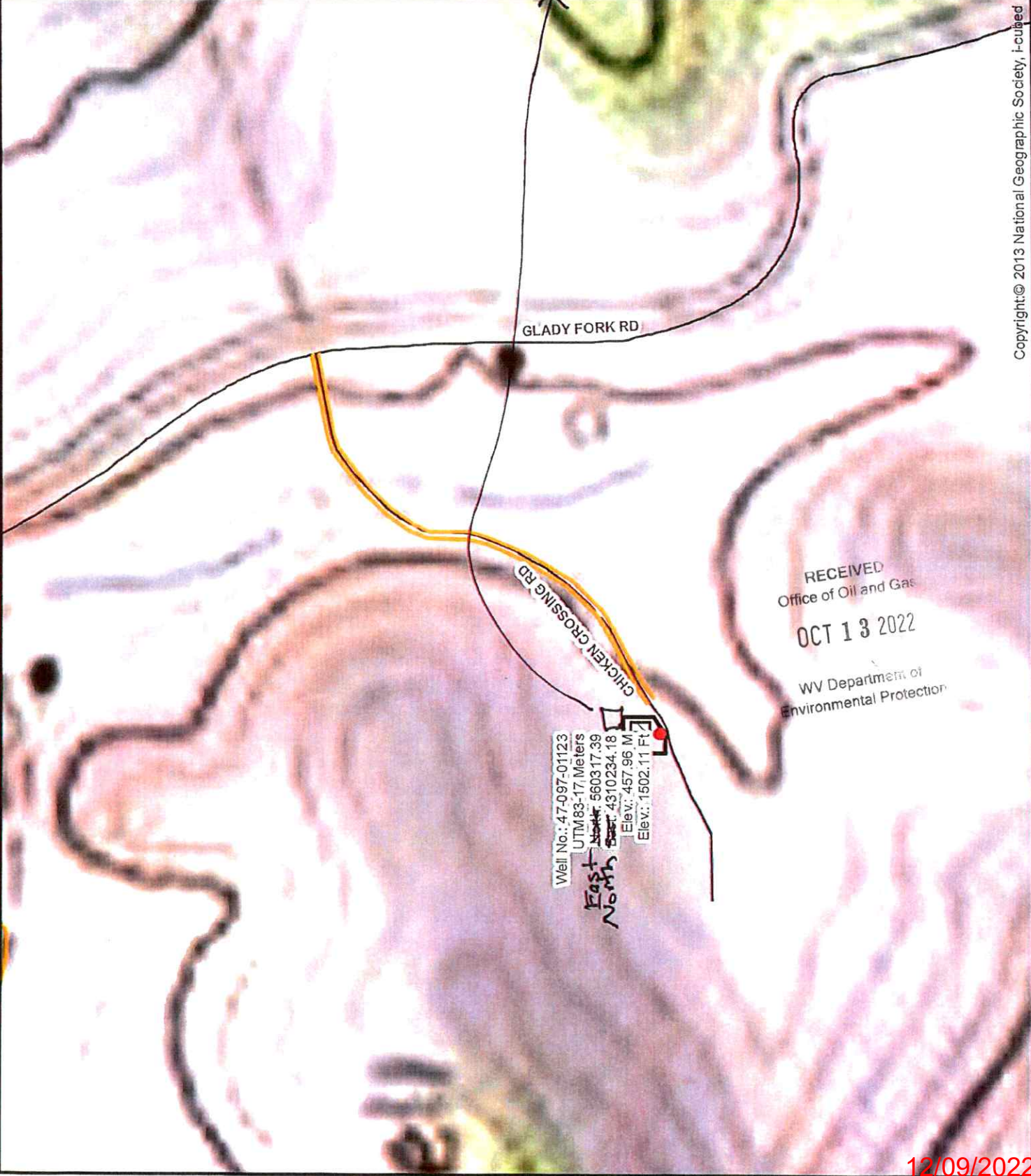
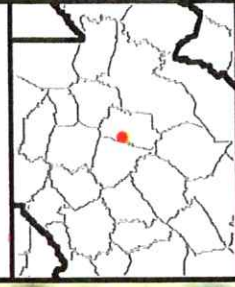
DIVERSIFIED
energy
100 Diversified Way
Pikeville KY, 41051

47-097-01123
Plugging Map

Legend

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

1 Pit
10' W
20' L
8' D
285 bbl



Well No.: 47-097-01123
UTM 83-17 Meters
East ~~Coord~~: 560317.39
North ~~Coord~~: 4310234.18
Elev.: 457.96 M
Elev.: 1502.11 Ft

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Office of Oil and Gas
OCT 13 2022
WV Department of
Environmental Protection



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

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.

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12/09/2022

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



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.

7022 1670 0001 8750 5382

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Total **Well 1 47-097-01123**

Sent To Rossco LLC
P.O. Box 397
Street Glenville, WV 26351
City, S

PS Form 3800, April 2019 PSN 7530-02-000-9071 See Reverse for Instructions

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HAMLIN WV
OCT 04 2022
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Adult Signature Required \$ _____

Adult Signature Restricted Delivery \$ _____

Postage
\$ _____

Total Postage **Well 1 47-097-01123**

Sent To Thomas W. & Teresea F. Crites
4804 Gladly Fork Road
Street and A Buckhannon, WV 26201
City, State, &

PS Form 3800, April 2019 PSN 7530-02-000-9071 See Reverse for Instructions

HAMLIN POST OFFICE
HAMLIN WV
OCT 04 2022
Postmark Here



DIVERSIFIED
energy

47 0 97 0 1 1 2 3

10/4/2022

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:

47-097-01123 Crites Paul & Bertha 1

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

Sincerely,

Austin Sutler
Asset Retirement Manager



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

4709700124, 09700711, 09701123 plugging permits issued

1 message

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

Mon, Dec 5, 2022 at 2:19 PM


To: Austin Sutler <asutler@dgoc.com>, Phyllis Copley <pcopley@dgoc.com>, dwzickefoose@upshurcounty.org, Samuel D Ward <samuel.d.ward@wv.gov>


To whom it may concern, plugging permits have been issued for 4709700124, 09700711, 09701123.


James Kennedy


WVDEP OOG


6 attachments


 **IR-8 4709700124.pdf**
12K

 **4709700124.pdf**
2569K

 **IR-8 4709701123.pdf**
13K

 **4709701123.pdf**
2383K

 **IR8- 4709700711.pdf**
12K

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2277K

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