



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, December 8, 2022
WELL WORK PLUGGING PERMIT
Vertical Plugging

DIVERSIFIED PRODUCTION LLC
101 MCQUISTON DRIVE

JACKSON CENTER, PA 16133

Re: Permit approval for 1
47-097-01322-00-00

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: SHREVE, H. H.
U.S. WELL NUMBER: 47-097-01322-00-00
Vertical Plugging
Date Issued: 12/8/2022

PERMIT CONDITIONS^{47 0 9 7 0 1 3 2 2}

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.

4709701322

WW-4B
Rev. 2/01

1) Date September 29, 2022
2) Operator's
Well No. A-410
3) API Well No. 47-097 - 01322

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 1819 feet Watershed Laurel Fork Sand Run of Buckhannon River
District Union County Upshur Quadrangle Sago
- 6) Well Operator Diversified Production LLC 7) Designated Agent Austin Sutler
Address 414 Summers Street Address P.O. Box 381087
Charleston, WV 25301 Birmingham, AL 35238
- 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

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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  Date 10/3/2022

12/09/2022

4709701322

47-097-01322

Form OG-10



STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION

Rotary [X] Spudder [] Cable Tools [] Storage [] Oil or Gas Well Gas (KIND)

Quadrangle Sago Permit No. Ups-1322

WELL RECORD

Company Allegheny Land & Mineral Co. Address Clarksburg, W.Va. Farm H.H. Shreve Acres 59 Well No. A-410 Elev. 1848 District Union County Upshur

Table with 8 columns: Formation, Color, Hard or Soft, Top, Bottom, Oil, Gas or Water, Depth, Remarks. Includes geological data and casing perforation details.

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WV Department of Environmental Protection

RECEIVED NOV 27 1970

SOW 10/3/2022

PLUGGING PROGNOSIS

West Virginia, Upshur County
 API # 47-097-01322
 Lat/Long: 38.98179936, -80.12059757

Casing Schedule

16" csg @ 20' (cemented to surface)
 8 1/4" csg @ 332' (cemented to surface)
 4 1/2" csg @ 2093' (cemented to 636' w/ 105sx cmt)
 TD @ 2096'

Completion: Perfs – 2022'-2025'; 2011'-2013'; 1413'-1415'; 1391'-1395'

Fresh Water: 70'

Coal: 60'-65'; 105'-110'

Oil Show: None Reported

Gas Show: None Reported

Elevation: 1848'

1. Notify inspector, Sam Ward @ 304-389-7583, 48 hrs. prior to commencing operations.
2. Tag TD w/ wireline and check TOC behind 4-1/2" csg.
3. Run in to depth @ 2025'. Kill well as needed with 6% bentonite gel and fill rat hole. Pump at least 10 bbls gel. Pump 277' Class A/Class L cement plug from **2025' to 1748' (perf and elevation plug)**. Tag TOC. Top off as needed. ✓
4. TOOH w/ tbg to 1748'. Pump 6% bentonite gel from 1748' to 1415'
5. TOOH w/ tbg to 1415'. Pump 124' Class A/Class L Cement plug from **1415' to 1291' (perf plug)**
6. TOOH w/ tbg to 1291'. Pump 6% bentonite gel from 1291' to 382'
7. Free point 4-1/2" csg. Cut and TOOH. Set 100' Class A/Class L cement plug across csg cut. 50' in/out of cut. **Do not omit any plugs listed below. Perforate as needed.**
8. TOOH w/ tbg to 382'. Pump 382' Class A/Class L Cement plug from **382' to surface (csg shoe Freshwater, coal and surface plug)**
9. Erect monument with API#, date plugged, & company name.
10. Reclaim location and road to WV-DEP specifications.

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OCT 13 2022

WV Department of
 Environmental Protection

SOW
 10/13/2022

WW-4A
Revised 6-07

1) Date: September 29, 2022
2) Operator's Well Number
A-410

3) API Well No.: 47 - 097 - 01322

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

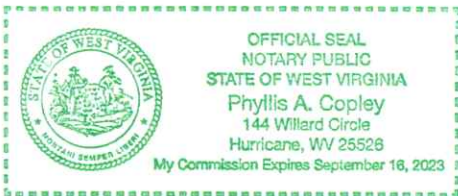
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>See Attached List</u>	Name <u>None</u>
Address _____	Address _____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>See Attached List</u>
(c) Name _____	Address _____
Address _____	Name _____
6) Inspector <u>Sam 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 Suttler
Its: Plugging Manager
Address 414 Summers Street
Charleston, WV 25301
Telephone 304-419-2562

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

Subscribed and sworn before me this 29th 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.

47 0 97 0 13 22

Well A-410

47-097-01322

Surface Owners

A-410 47-097-01322
Paw Paw & Gran LLC
201 Vicksburg Road STE 101
Buckhannon, WV 26201

A-410 47-097-01322
Steven Woody & Connie Rice
201 Vicksburg Road STE 101
Buckhannon, WV 26201

Coal Owners

A-410 47-097-01322
Sharon S. Jeffries
P.O. Box 34
Hugheston, WV 25510

A-410 47-097-01322
WV Minerals Inc.
63 Mountain Park Drive
Fairmont, WV 26554

A-410 47-097-01322
Charles R. Shreve
1305 Hermitage Road
Colonial Hite, VA 23834

A-410 47-097-01322
Elaine S. Nelson
5600 Kanawha Turnpike
St. Albans, WV 25177

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201 Vicksburg Road STE 101
Buckhannon, WV 26201

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SEP 29 2022

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12/09/2022

4709701322

WW-9
(5/16)

API No. 47 097 01322
Operator's Well No. Well I 257-UC

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) Laurel Fork Sand 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 No

If so, please describe anticipated pit waste: Produced fluid and cement returns

Will a synthetic liner be used in the pit? Yes No If so, what ml.? 20

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection (UIC Permit Number 2D08300792002)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain _____)

*SDW
10/3/2022*

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? _____

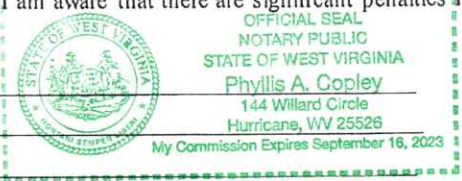
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WV Department of
Environmental Protection

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 Sutler*
Company Official (Typed Name) Austin Sutler
Company Official Title Plugging Manager



Subscribed and sworn before me this 29th 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	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.

Plan Approved by: S. D. Ward

Comments: _____

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Office of Oil and Gas
OCT 13 2022

WV Department of
Environmental Protection

Title: OG Inspector Date: 10/13/2022

Field Reviewed? () Yes (X) No

4709701322

WW-7
8-30-06



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

API: 4709701322 WELL NO.: A-410

FARM NAME: H H Shreve

RESPONSIBLE PARTY NAME: Diversified Production LLC

COUNTY: Upshur DISTRICT: Union

QUADRANGLE: Sago

SURFACE OWNER: Paw Paw & Gran LLC

ROYALTY OWNER: Diversified ABS II LLC

UTM GPS NORTHING: 4315134.69

UTM GPS EASTING: 576211.43 GPS ELEVATION: 1819'

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 : Post Processed Differential

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.

Austin Suttler
Signature

Digitally signed by Austin Suttler
Date: 2022.08.10 11:50:42
-04'00'

Asset Retirement Manager
Title

8/10/2022
Date

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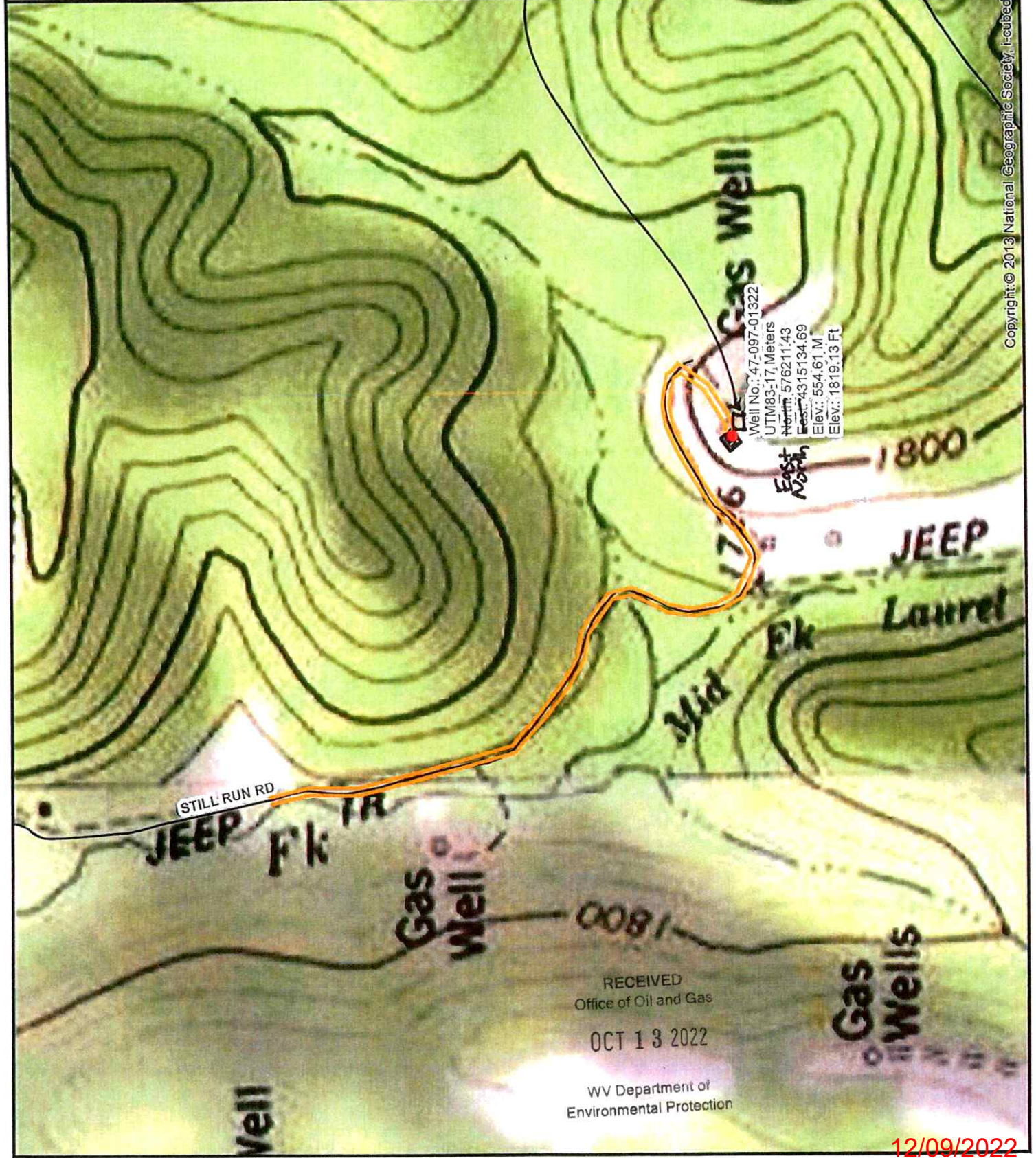
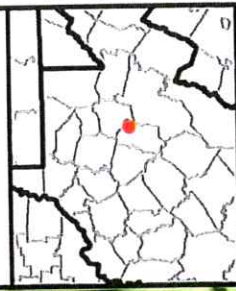
DIVERSIFIED energy
100 Diversified Way
Pikeville KY, 41051

47-097-01322
Plugging Map

Legend

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

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



Well No.: 47-097-01322
UTM83: 17 Meters
North: 576211.43
East: 4315134.69
Elev.: 554.61 M
Elev.: 1819.13 Ft

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P.O. Box 34
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A-410 47-097-01322

PS Form 3800, April 2015 PSN 7530-02-000-9071

12/09/2022



DIVERSIFIED
energy

47 0 97 0 13 22

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.



DIVERSIFIED
energy

47 0 97 0 13 2 2

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:

47-097-01322 Shreve GED

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

Sincerely,

Austin Sutler
Asset Retirement Manager



4709701322

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

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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- 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 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 4709701322 09701709 09700093 09700772

1 message

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

Thu, Dec 8, 2022 at 2:46 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 4709701322 09701709 09700093 09700772.


James Kennedy


WVDEP OOG


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