



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, January 8, 2024
WELL WORK PLUGGING PERMIT
Vertical Plugging

DIVERSIFIED PRODUCTION LLC
101 MCQUISTON DRIVE

JACKSON CENTER, PA 16133

Re: Permit approval for REEDER 511061
47-041-05347-00-00

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: HARRIS, CATHY D., ET AL
U.S. WELL NUMBER: 47-041-05347-00-00
Vertical Plugging
Date Issued: 1/8/2024

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.

1) Date September 19, 2023
2) Operator's
Well No. Harris Cathy 511061
3) API Well No. 47-041-05347

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 1512.64' Watershed Glady Fork - Stonewall Jackson Lake
District Court House County Lewis Quadrangle Roanoke 7.5'
- 6) Well Operator Diversified Production, LLC 7) Designated Agent Chris Veazey
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 Kenneth Greynolds Name Next LVL Energy (Diversified Owned)
Address 613 Broad Run Rd. Address 104 Helliport Loop Rd
Jane Lew, WV 26378 Bridgeport, WV 25330

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

See Attached

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OCT 27 2023
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 *Kenneth Greynolds* Date 10-25-23

01/12/2024

Well Number 511061

Equitable Production Company
WR-35 Completion Report - Attachment
Well Treatment Summary

API # 4704105347

Stage1		Stage2		Stage3	
Date	12/07/2007	Date	12/07/2007	Date	12/07/2007
Frac Typ	Variabl Foam	Frac Typ	Variabl Foam	Frac Typ	Variabl Foam
Zone	Benson	Zone	Balltown	Zone	4th. Sand
# of Perfs	19	# of Perfs	30	# of Perfs	40
From/To	4,791- 4,797	From/To	3,655- 3,751	From/To	2,721- 2,865
BD Press	2,870	BD Press	2,779	BD Press	1,980
ATP Psi	3,665	ATP Psi	2,917	ATP Psi	2,116
Avg Rate	38	Avg Rate	40	Avg Rate	32
Max Press Psi	3,715	Max Press Psi	3,015	Max Press Psi	2,246
ISIP Psi	2,340	ISIP Psi	1,950	ISIP Psi	1,924
10min SIP	0 5 min.	10min SIP	0 5 min.	10min SIP	1,366 5 min.
Frac Gradient	0.59	Frac Gradient	0.63	Frac Gradient	1.10
Sand Proppant	406.00	Sand Proppant	375.00	Sand Proppant	405.00
Water-bbl	170 bbl	Water-bbl	150 bbl	Water-bbl	593 bbl
SCF N2	797,000	SCF N2	520,000	SCF N2	144,000
Acid-gal	500 gal 15%HCL	Acid-gal	500 gal 0% HCL	Acid-gal	0 gal
Formation Name	Depth To	Depth Bottom	Formation Thick		
KB to GL	0.00	6	6.00		
Rcd Clay	6.00	21	15.00		
Shale	21.00	31	10.00		
Sand	31.00	95	64.00		
Shale	95.00	155	60.00		
Sand & Shale	155.00	330	175.00		
Sand	330.00	355	25.00		
Shale	355.00	385	30.00		
Red Shale	385.00	590	205.00		
Sand	590.00	625	35.00		
Sand & Shale	625.00	655	30.00		
Sand	655.00	680	25.00		
Sand & Shale	680.00	840	160.00		
Sand	840.00	985	145.00		
Sand & Shale	985.00	1,112	127.00		
Shale	1,112.00	1,186	74.00		
Sand	1,186.00	1,272	86.00		
Shale	1,272.00	1,280	8.00		
Sand	1,280.00	1,346	66.00		
Shale	1,346.00	1,360	14.00		
Sand	1,360.00	1,470	110.00		
Sandy Shale	1,470.00	1,625	155.00		
ROSDALE GAS SAN	1,625.00	1,792	167.00		
ROSDALE SALT SA	1,792.00	1,941	149.00		
MAXTON	1,941.00	2,049	108.00		
BIG LIME	2,049.00	2,135	86.00		
BIG INJUN	2,135.00	2,305	170.00		
GANTZ	2,305.00	2,408	103.00		
FIFTY FOOT	2,408.00	2,483	75.00		
THIRTY FOOT	2,483.00	2,582	99.00		
GORDON	2,582.00	2,662	80.00		
FOURTH SAND	2,662.00	2,826	164.00		
BALLTOWN	2,723.00	4,347	1,624.00		
FIFTH SAND	2,826.00	3,256	430.00		
SPEECHLEY	3,256.00	2,723	0.00		
RILEY	4,347.00	4,790	443.00		
BENSON	4,790.00	4,849	59.00		

Gas Tests

Depth	Remarks
2,558	odor
2,710	odor

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PLUGGING PROGNOSIS

West Virginia, Lewis County
API # 47-041-05347

Casing Schedule

13-3/8" csg @ 26'
7" csg @ 1320' (cement to surface w/ 309 cu ft)
4-1/2" csg @ 4907' (cement to 1291' w/ 370 cu ft)
2-3/8" @ 4823' (with rods)
TD @ 4907' (doesn't look like the 4-1/2" csg shoe was drilled out.)

Completion: Perf – 2721'-2865'; 3655'-3751'; 4791'-4797'

Fresh Water: 1195'
Saltwater: None Reported
Coal: None Reported
Oil Show: None Reported
Gas Show: 2558'; 2710'
Elevation: 1531'

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1. Notify inspector, Ken Greynolds @ (304) 206-6613, 48 hrs. prior to commencing operations.
2. Check wellhead pressure and blow down as needed.
3. Pull rods and tbg and lay down
4. Tag TD to confirm well is open to bottom plug depth.
5. Run in to depth @ 4817'. Kill well as needed with 6% bentonite gel and fill rat hole. Pump at least 10 bbls gel. Pump 126' Class L cement plug from 4817' to 4691' (completion plug). Tag TOC. Top off as needed.
6. TOOH w/ tbg to 4691'. Pump 6% bentonite gel from 4691' to 3751'
7. TOOH w/ tbg to 3751'. Pump 196' Class L Cement plug from 3751' to 3555' (completion plug)
8. TOOH w/ tbg to 3555'. Pump 6% bentonite gel from 3555' to 2865'.
9. TOOH w/ tbg to 2865'. Pump 407' Class L Cement plug from 2865' to 2458' (completion and gas show plug)
10. TOOH w/ tbg to 2458'. Pump 6% bentonite gel from 2458' to 1581'.
11. Free point 4-1/2" tbg. 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.**
12. TOOH w/ tbg to 1581'. Pump 436' Class L cement plug from 1581' to 1145' (7" csg, fresh water, elevation plug).
13. TOOH w/ tbg to 1145'. Pump 6% bentonite gel from 1145' to 100'.
14. TOOH w/ tbg to 100'. Pump 100' Class L cement plug from 100' to Surface. (Surface plug).
15. Reclaim location and well road to WV DEP specifications and erect P&A well monument.

Ernest L. Reynolds

10-25-23 01/12/2024

WW-4A
Revised 6-07

1) Date: 9/19/2023
2) Operator's Well Number Harris Cathy 511061

3) API Well No.: 47 - 041 - 05347

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

<p>4) Surface Owner(s) to be served:</p> <p>(a) Name <u>Mark C. & Tracey L. Mazzie</u> Address <u>1854 Upper Lamberts Run Rd.</u> <u>Clarksburg, WV 26301</u></p> <p>(b) Name _____ Address _____</p> <p>(c) Name _____ Address _____</p>	<p>5) (a) Coal Operator</p> <p>Name _____ Address _____</p> <p>(b) Coal Owner(s) with Declaration</p> <p>Name <u>See Attached</u> Address _____</p> <p>(c) Coal Lessee with Declaration</p> <p>Name _____ Address _____</p>
<p>6) Inspector <u>Kenneth Greynolds</u> Address <u>613 Broad Run Rd.</u> <u>Jane Lew, WV 26378</u> Telephone <u>(681) 990-6948</u></p>	

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.

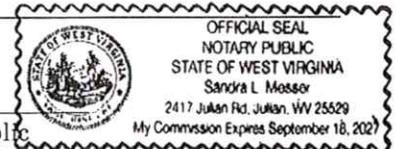
The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

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.

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Well Operator	<u>Diversified Production, LLC</u>			
By:	<u>Chris Veazey</u>		<u>OCT 27 2023</u>	
Its:	<u>Permitting Supervisor</u>			
Address	<u>414 Summers Street</u>			WV Department of Environmental Protection
	<u>Charleston, WV 25301</u>			
Telephone	<u>304-590-7707</u>			

Subscribed and sworn before me this 22nd day of September 2023
Sandra L. Messer Notary Public
 My Commission Expires Sept 18, 2027



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.

01/12/2024

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

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USPS CERTIFIED MAIL™



9407 1361 0544 0399 0587 18



CHARLES HAUGHT
705 N WARFIELD DR
MOUNT AIRY MD 21771-5320

US POSTAGE AND FEES PAID
2023-09-22
Z5301
C4000004
Retail
4.0 OZ FLAT



ecsy post
0901000008089

01/12/2024

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

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USPS CERTIFIED MAIL™



9407 1361 0544 0399 0797 75



PHILLIP HAUGHT
30 AVENEL CIRCLE #201
WESTMINSTER MD 21158

US POSTAGE AND FEES PAID
2023-08-22
25301
C4000004
Retail
4.0 OZ FLAT

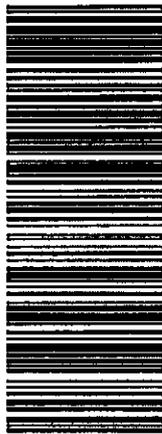


01/12/2024

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

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9407 1361 0544 0399 0891 70



LINDA WIVELL
4075 CARRICK CT
EMMITSBURG MD 21727-9523

US POSTAGE AND FEES PAID
2023-09-22
25301
CA000004
Retail
4.0 OZ FLAT



0901000008106

01/12/2024

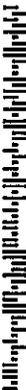
Diversified Gas & Oil Corporation
Permitting Department
414 SUMMERS STREET
2ND FLOOR
CHARLESTON WV 25301

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USPS CERTIFIED MAIL™



9407 1361 0544 0399 0971 68



MARK C & TRACEY L MAZZIE
1854 UPPER LAMBERTS RUN RD
CLARKSBURG WV 26301-6415

US POSTAGE AND FEES PAID
2023-09-22
25301
C40000004
Retail
4.0 OZ FLAT



easypost
0901000008079

01/12/2024

API 47-041-05347

Coal Owners

Linda Wivell

4075 Carrick Ct.
Emmitsburg, MD 21727

Phillip Haught

30 Avenel Circle #201
Westminster, MD 21158

Charles Haught

705 N. Warfield Dr.
Mount Airy, MD 21771

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WW-9
(5/16)

API Number 47 - 041 - 05347
Operator's Well No. Harris Cathy 511061

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 - Stonewall Jackson Lake Quadrangle Roanoke 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

-If oil based, what type? Synthetic, petroleum, etc. N/A

Additives to be used in drilling medium? N/A

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. N/A

-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

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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 Chris Veazey

Company Official (Typed Name) Chris Veazey

Company Official Title Manager Plugging Operations

Subscribed and sworn before me this 22nd day of September, 2023

Sandra L. Mosser Notary Public

My commission expires Sept. 18, 2027



01/12/2024

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

Line 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.

Plan Approved by: Kenneth L. Reynolds

Comments: RECLAIM, SEED & MULCH ASOP

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WV Department of
Environmental Protection

Title: OIL & GAS INSPECTION Date: 10-25-23

Field Reviewed? () Yes () No

WW-7
8-30-06



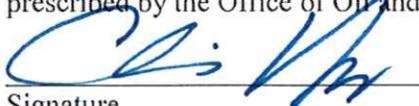
West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 4704105347 WELL NO.: Harris Cathy 511061
FARM NAME: Cathy Harris
RESPONSIBLE PARTY NAME: Diversified Production, LLC
COUNTY: Lewis DISTRICT: Court House
QUADRANGLE: Roanoke 7.5'
SURFACE OWNER: Mark C. & Tracey L. Mazzie
ROYALTY OWNER: Mike Ross, Inc., Jim Triant
UTM GPS NORTHING: 4315689.46
UTM GPS EASTING: 550280.37 GPS ELEVATION: 1512.64'

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

Chris Veazey - Permitting Supervisor
Title

9/19/23
Date

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DIVERSIFIED
energy

Date: 9/19/2023

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:

API Number 4704105347 Well Name Harris Cathy 511061

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

Sincerely,

Chris Veazey
Permitting Supervisor
304-590-7707

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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.

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FINDINGS OF FACT

WV Department of
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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.

Promoting a healthy environment.

01/12/2024

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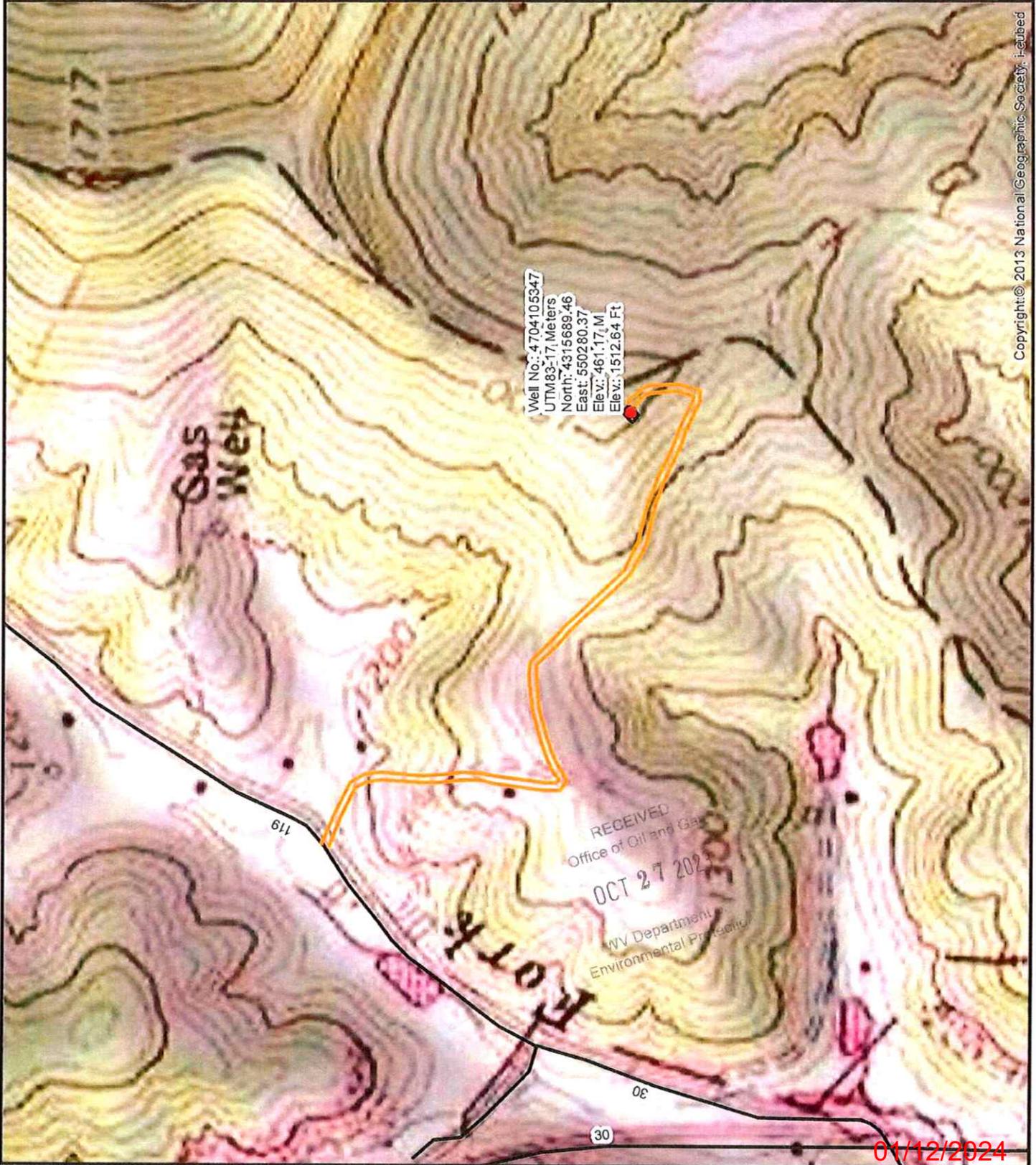
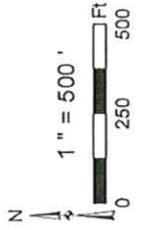
Diversified Gas & Oil
Corporation
100 Diversified Way
Pikeville KY, 41051

47-041-05347

Plugging Map

Legend

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



Well No.: 4704105347
UTM83-17, Meters
North: 4315689.46
East: 550280.37
Elev.: 461.17, M
Elev.: 1512.64 Ft

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

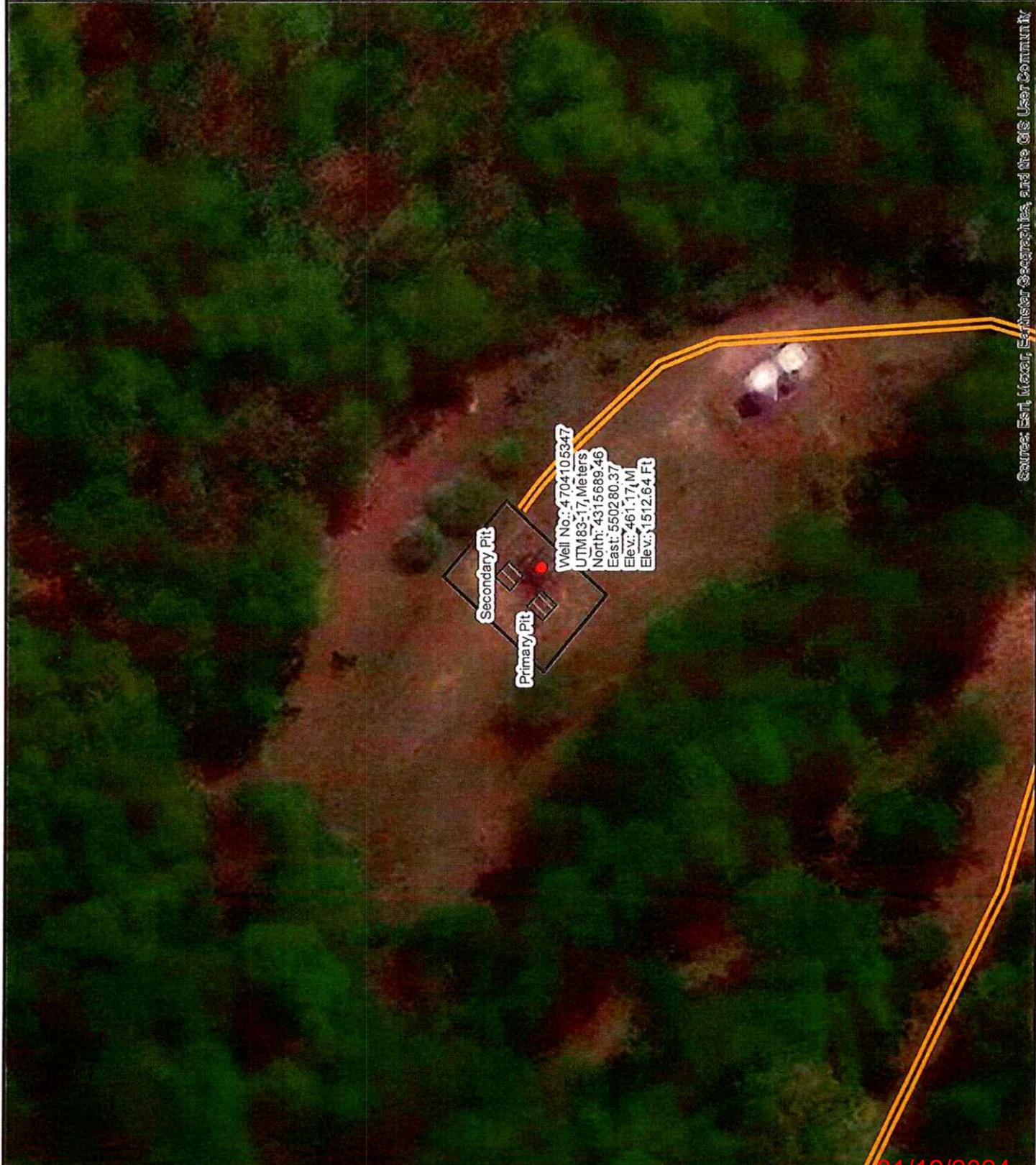
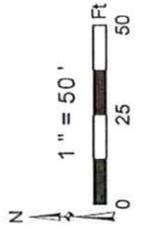
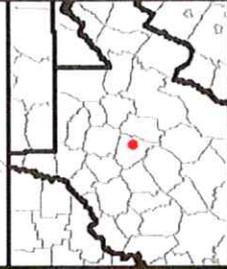
47-041-05347

Plugging Map

Legend

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

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Source: Est. Maxer, Eschner, Seppelites, and the GIS User Community

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DIVERSIFIED
energy

September 19, 2023

Kenneth Greynolds
613 Broad Run Rd.
Jane Lew, WV 26378

Mr. Greynolds

Please find enclosed a Permit Application to plug API# 47-041-05347, in Lewis County, WV.

If you have any questions, comments, or if you require additional information, please feel free to contact me at 304-590-7707.

Thank You,

Chris Veazey
Chris Veazey

Permitting Supervisor

Diversified Energy Company
414 Summers St.
Charleston, WV 25301
(304) 590-7707
Email: cveazey@dgoc.com

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414 Summers Street
Charleston, WV 25301

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11/10/2016

PLUGGING PERMIT CHECKLIST
4704105347

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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041-05347

Form W-23

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL & GAS
WELL WORK PERMIT APPLICATION

1) Well Operator EQUITABLE PRODUCTION COMPANY
Operator ID 41 County 2 District 634 Quadrangle
2) Operator's Well Name Reeder 511061 3) Elevation 1,531'
4) Well Type: (a) Oil or Gas X
(b) If Gas: Production X Underground Storage
Deep Shallow X
5) Proposed Target Formation(s): Maxton, Big Lime, Big Injun, 50', 30', 4th & 5th Sands, Benson
6) Proposed Total Depth: 5,050' Feet
7) Approximate fresh water strata depths: 270', 355', 412', 422'
8) Approximate salt water depths: 2595', 2874', 2898'
9) Approximate coal seam depths: 672'

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10) Does land contain coal seams tributary to active mine? No
11) Describe proposed well work: Drill and complete a new well.

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** Should a large show of water occur, 9 5/8" would be run and cemented to surface if needed.

12) CASING AND TUBING PROGRAM

Table with 7 columns: TYPE, SPECIFICATIONS (Size, Grade, Weight per ft.), FOOTAGE (For Drilling), INTERVALS (Left in Well), CEMENT (Fill-up (Cu. Ft.)). Rows include Conductor, Fresh Water, Coal, Fresh Water/Coal, Production, Tubing, and Liners.

Packers: Kind
Size
Depths Set

CRQ 10-18-07

State of West Virginia
 Division of Environmental Protection
 Section of Oil and Gas
 Well Operator's Report of Well Work

API # 4704105347

Farm Name Harris, Cathy D., ET AL Well Number 511061
 Location Elevation 1,531 Quadrangle ROANOKE
 District Courthouse County Lewis, WV
 Degree 39.00 Minute 0.00 Second 0.00
 Latitude 4140 FSL Longitude 0820 FWL 80.00 25.00 0.00

Company	Agent	Inspector	Permit Issued	Well Work Commenced	Well Work Completed	Verbal Plugging	Rotary Rig	Cable Rig	Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cubic Ft
<u>Equitable Production Company</u> <u>1710 Pennsylvania Avenue Charleston, WV 25328</u>	<u>Cecil Ray</u>	<u>Tim Bennett</u>	<u>10/31/2007</u>	<u>11/14/2007</u>	<u>01/04/2008</u>	<u>Permission granted on _____</u>	<u>X</u>	<u>_____</u>	<u>13 3/8</u>	<u>26</u>	<u>26</u>	<u>_____</u>
									<u>7</u>	<u>1,320</u>	<u>1,320</u>	<u>309.16</u>
									<u>4 1/2</u>	<u>4,907</u>	<u>4,907</u>	<u>370.00</u>
									<u>2 3/8</u>	<u>_____</u>	<u>4,823</u>	<u>3/18/08</u>
									<u>5 1/8" rods</u>	<u>_____</u>	<u>4823'</u>	<u>_____</u>

Total Depth 5,114

Water Encountered

Type Fresh water From 1/4" @ 1195'

*Amended State Report
 Ran log 3/18/08*

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Coal & Open Mines

Type From

Open Flow Data

Producing Formation Benson ; Balldown ; 4th. Sand ; Pay Zone Depth (ft): See attached for details

Gas: Initial Open Flow 0 MCF 01/05/2008 Date Oil: Initial Open Flow _____ Bbl/d
 Final Open Flow 1,299 MCF 01/05/2008 Date Final Open Flow _____
 Time of open flow between initial and final tests 0 hours
 Static Rock Pressure 710 after 0 hours

Second Producing Formation _____ Pay Zone Depth (ft) _____

Gas: Initial Open Flow _____ MCF _____ Date Oil: Initial Open Flow _____ Bbl/d
 Final Open Flow _____ MCF _____ Date Final Open Flow _____
 Time of open flow between initial and final tests _____ hours
 Static Rock Pressure _____ after _____ hours

NOTE: On back of this form put the following

- 1) Details of Perforated intervals, fracturing or stimulating, physical change, etc.
- 2) The well log, a systematic detailed geological record of all formations including coal encountered in the well bore

Kirk
 For Equitable Production Company
 By Kenneth C Kirk
 Date 09/15/08

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01/12/2024

Parameter	Predischarge Limit Reported	Discharge Limits Reported	Units
pH	6-10	6-10	S.U.
Settling Time	5	N/A	Days
Fe	6	6	mg/l
D.O.	2.5	2.5	mg/l
Settleable Sol.	.5	.5	mg/l
Cl	5000	5000	mg/l
Oil	Trace	Trace	Obs.
TOC		Monitor	mg/l
Oil and Grease		Monitor	mg/l
Al***		Monitor	mg/l
TSS		Monitor	mg/l
Mn	Monitor	Monitor	mg/l
Volume		Monitor	Gals
Flow		Monitor	Gals
Disposal Area		Monitor	Acres

***Al is only reported if the pH is above 9.0

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Category 2
 Sampling Results
 API NO 47-041-05347

Parameter	Predischarge Limit Reported	Discharge Limits Reported	Units
pH	6-10	<u>6</u> 6-10 <u>6</u>	S.U.
Settling Time	10	<u>10</u> N/A <u>N/A</u>	Days
Fe	6	<u>1.0</u> 6 <u>1.28</u>	mg/l
D.O.	2.5	<u>6</u> 2.5 <u>6</u>	mg/l
Settleable Sol.	.5	<u>N/A</u> .5 <u>N/A</u>	mg/l
Cl*	12,500	<u>5,000</u> 12,500 <u>2,836</u>	mg/l
Oil	Trace	<u>N/A</u> Trace <u>N/A</u>	Obs.
TOC**		Monitor <u>N/A</u>	mg/l
Oil and Grease		Monitor <u>4.7</u>	mg/l
Al***		Monitor <u>N/A</u>	mg/l
TSS		Monitor <u>0.5</u>	mg/l
Mn	Monitor	<u>1.0</u> Monitor <u>0.650</u>	mg/l
Volume		Monitor <u>81,000</u>	Gals
Flow		Monitor <u>270</u>	Gals/min.
Disposal Area		Monitor <u>1.5</u>	Acres

*Can Be 25,000 with inspectors approval,
 **Include a description of your aeration technique. =CODE 3
 ***Al is only reported if the pH is above 9.0

Date: _____

01/12/2024

WW-4B

API No.	<u>4704105347</u>
Farm Name	<u>Cathy Harris</u>
Well No.	<u>Harris Cathy 511061</u>

**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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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 _____

01/12/2024

SURFACE OWNER WAIVER

Operator's Well
Number

Harris Cathy 511061

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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Time Limits and methods for filing comments. The law requires these materials to be served on you 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

01/12/2024



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

plugging permits have been issued for 4704101551 04105347 04102281 04103839 04100792

1 message

Kennedy, James P <james.p.kennedy@wv.gov> Mon, Jan 8, 2024 at 2:03 PM
To: Chris Veazey <CVeazey@dgoc.com>, Kenneth L Greynolds <kenneth.l.greynolds@wv.gov>, Austin Sutler <asutler@nexttlvenergy.com>, Phyllis Copley <pcopley@dgoc.com>, jbreen@assessor.state.wv.us

To whom it may concern, plugging permits have been issued for 4704101551 04105347 04102281 04103839 04100792.

James Kennedy

WVDEP OOG

5 attachments

-  **4704101551.pdf**
2323K
-  **4704105347.pdf**
2763K
-  **4704103839.pdf**
3232K
-  **4704102281.pdf**
3290K
-  **4704100792.pdf**
3992K

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