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west virginia department of environmental protection

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Office of Oil and Gas  
601 57<sup>th</sup> Street, S.E.  
Charleston, WV 25304  
(304) 926-0450  
fax: (304) 926-0452

Harold D. Ward, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Friday, March 17, 2023  
WELL WORK PLUGGING PERMIT  
Vertical Plugging

UNKNOWN - DEP PAID PLUGGING CONTRACT  
601 57TH STREET

CHARLESTON, WV 25304

Re: Permit approval for 3  
47-091-00074-00-00

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: 3  
Farm Name: CATHERS, D. L., ETUX  
U.S. WELL NUMBER: 47-091-00074-00-00  
Vertical Plugging  
Date Issued: 3/17/2023

Promoting a healthy environment.

03/17/2023

## PERMIT CONDITIONS

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

### CONDITIONS

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1. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
2. Well work activities shall not constitute a hazard to the safety of persons.

4709100074  
1) Date January 27, 2023  
2) Operator's  
Well No. D.L. Cathers #3  
3) API Well No. 47-091 - 00074

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 \_\_\_

5) Location: Elevation 1,435.27' Watershed Berry Run  
District Flemington County Taylor Quadrangle Rosemont

6) Well Operator Unknown-DEP Paid Plugging Contract 7) Designated Agent H. Jason Harmon  
Address 601 57th Street, SE Address 601 57th Street, SE  
Charleston, WV 25304 Charleston, WV 25304

8) Oil and Gas Inspector to be notified Name Kenneth Greynolds  
Address 613 Broad Run Road  
Jane Lew, WV 26378  
9) Plugging Contractor Name Coastal Drilling East  
Address 130 Meadow Ridge Road  
Mount Morris, PA

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Office of Oil and Gas  
MAR 09 2023  
WV Department of  
Environmental Protection

10) Work Order: The work order for the manner of plugging this well is as follows:  
**Check Pressures on all casing with a gauge.**  
**Begin plugging and abandonment operations. Load 5 1/2 Casing with fresh water.**  
**RU Wireline. Run CBL on 5 1/2 casing from 1640'- surface. Determine free point on 5 1/2 casing.**  
**If 5.5" free point is below elevation (1440'), set plug only up to free point and pull 5.5" from the free point.**  
TIH with tubing to 1640', set 240' Class L cement plug from 1640' to 1400'. TOOH w. tubing. WOC. Tag TOC. Cut 5 1/2 csg @ free point, 5 1/2 TOOH w/ csg.  
TOOH w/ tubing 1400' set Class L cement plug from 1400'-1300', TIH w. tubing to 1050' gel hole 1300' to 1050'. WOC. Tag Cement plug  
TIH w. tubing to 1050', set 325' Class L cement plug 1000' to 675'. (Fresh Water @ 945' and 785') TOOH w. tubing to 675' gel hole 675' to 200'. WOC. Tag Cement plug  
TOOH w. tubing to 200', set 200' Class L cement plug 200' to 0'. Top off well surface with solid cement as needed, erect monument with API#, date plugged, company name and company 6 digit ID #, reclaim location and road to WV-DEP Specs.

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 3-3-23

03/17/2023



west virginia department of environmental protection

Office of Oil and Gas  
601 57<sup>th</sup> Street, SE  
Charleston, WV 25304  
Phone (304) 826-0480

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.

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

03/17/2023



4709100074

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

NOTICE OF PROPOSED LOCATION OF OIL AND GAS WELL

TO THE DEPARTMENT OF MINES,  
Charleston, W. Va.

No Coal  
COAL OPERATOR OR COAL OWNER

ADDRESS

COAL OPERATOR OR COAL OWNER

D.L. CATHERS ET AL  
OWNER OF MINERAL RIGHTS

Flemington, W. Va.  
ADDRESS

George W. Moses  
NAME OF WELL OPERATOR

Box 309 CLARKSBURG, W. Va  
COMPLETE ADDRESS

JUNE 24, 1963

PROPOSED LOCATION  
FLEMINGTON District

TAYLOR County

W-84 Well No. THREE 37° 20'  
50° 15' E 1433'

D.L. CATHERS ET UX  
Farm  
504 Union

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated

FEBRUARY 20, 1963, made by D.L. CATHERS ET AL  
EQUITABLE GAS CO, and recorded on the 27<sup>th</sup> day  
of MARCH, 1963

Book 26, page 349 AND ASSIGNED BY EQUITABLE GAS TO GEORGE W. MOSES.

The enclosed plat was prepared by a competent engineer and shows the proposed location of a well to be drilled for oil and gas by the undersigned well operator on the farm and in the Magisterial District and County above named, determined by survey and courses and distances from two permanent points, or land marks.

The undersigned well operator is informed and believes there are no coal operators operating beds of coal beneath said farm or tract of land on which said well is located, or within 500 feet of the boundaries of the same, who have mapped their workings and filed their maps as required by law, excepting the coal operators or coal owners (if any) above named as addressees.

The above named coal operators or coal owners (if any) are notified that any objections they may desire to make to such proposed location, or which they are required to make by Section 3 of said Code, if the drilling of a well at said proposed location will cause a dangerous condition in or about their respective coal mines, must be received by, or filed with the Department of Mines within ten days from the receipt of a copy of this notice and accompanying plat by said Department. Said coal operators are further notified that forms for use in making such objections will be furnished to them by the Department of Mines promptly on request and that all such objections must set forth as definitely as is reasonably possible the ground or grounds on which such objections are based and indicate the direction and distance the proposed location should be moved to overcome same.

(The next paragraph is to be completed only in Department's copy.)

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address \_\_\_\_\_ day \_\_\_\_\_ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

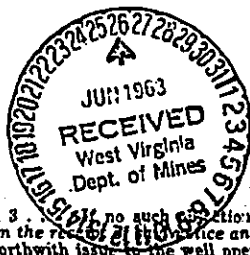
Very truly yours,

George W. Moses  
WELL OPERATOR

P.O. BOX 309  
STREET

CLARKSBURG  
CITY OR TOWN

WEST VIRGINIA  
STATE



Address of Well Operator

\*Section 3. If no such objections be filed or be found by the department of mines, within said period of ten days from the receipt of this notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a drilling permit reciting the filing of such plat, that no objections have been made by the coal operators to the location, or found thereto by the department, and that the same is approved and the well operator authorized to proceed to drill at said location.

TAY-74 PERMIT NUMBER

03/17/2023



4709100074

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION 11

Quadrangle Fairmont

WELL RECORD

Oil or Gas Well GAS  
(RIND)

Permit No. TAY-74

Company GEORGE W. MOSES  
Address P. O. Box 309, Clarksburg, W. Va.  
Farm D. L. Cather, et al Acres 504

Location (waters)  
Well No. Three Elev. 1433  
District FLEMINGTON County TAYLOR

The surface of tract is owned in fee by \_\_\_\_\_  
Address \_\_\_\_\_  
Mineral rights are owned by No Coal  
Address \_\_\_\_\_

Drilling commenced 7/6/63  
Drilling completed 8/6/63  
Date Shot \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
With \_\_\_\_\_

Open Flow /10ths Water in \_\_\_\_\_ Inch  
/10ths Merc. in \_\_\_\_\_ Inch  
Volume 50,000 Cu. Ft.  
Rock Pressure Not Taken lbs. \_\_\_\_\_ hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.

WELL ACIDIZED \_\_\_\_\_

WELL FRACTURED Riverfrac 550 BBlS. 25000# Sand

RESULT AFTER TREATMENT 500,000

ROCK PRESSURE AFTER TREATMENT 375#

Fresh Water \_\_\_\_\_ Feet Salt Water \_\_\_\_\_ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
CLAY			0	27			
Slate			27	180			
Red Rock			180	207			
Lime			207	224			
Slate			224	245			
Sand			245	280			
Slate & Shells			280	375			
Red Rock			375	409			
Slate & Shells			409	560			
Lime			560	590			
Sand			590	660			
Black Slate			660	675			
Sand			675	685			
Slate & Shells			685	815			
Gritty Lime			815	865			
Slate			865	880			
Lime			880	915			
Sand			915	1110			
Slate & Shells			1110	1223			
Red Rock and Shells			1223	1314			
Lime			1314	1365			
Slate			1365	1370			
Red Rock			1370	1378			
Lime			1378	1445			
Slate			1445	1450			
Little Lime			1450	1482			
Slate			1482	1502			
Red Rock			1502	1506			
Big Lime			1506	1589			

(over)

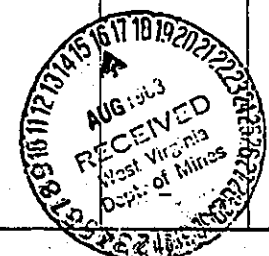
Water at 75' 1 1/2 Bl'r Hour  
Office of Oil and Gas

MAR 09 2023

WV Department of Environmental Protection

Water (Show) at 785

Water (HOLE FULL) at 945



03/17/2023

Formation	Color	Hard or Soft	Top <i>22</i>	Bottom	Oil, Gas or Water	Depth Found	Remarks
INJUN SAND Slate Total Depth			1589 1678 1695	1678 1695	Gas	1635-1642	

RECEIVED  
Office of Oil and Gas  
MAR 09 2023  
WV Department of  
Environmental Protection

Date \_\_\_\_\_, 19\_\_

APPROVED \_\_\_\_\_, Owner

By \_\_\_\_\_  
(Title)

03/17/2023



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

INSPECTOR'S WELL REPORT

Permit No. Tay. 74

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company _____ Address _____ Farm _____ Well No. _____ District _____ County _____ Drilling commenced _____ Drilling completed _____ Total depth _____ Date shot _____ Depth of shot _____ Initial open flow _____ /10ths Water in _____ Inch Open flow after tubing _____ /10ths Merc. in _____ Inch Volume _____ Cu. Ft. Rock pressure _____ lbs. _____ hrs. Oil _____ bbls., 1st 24 hrs. Fresh water _____ feet _____ feet Salt water _____ feet _____ feet	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
	Size 16 13 10 8 1/4 6 3/4 5 3/16 3 2 Liners Used			

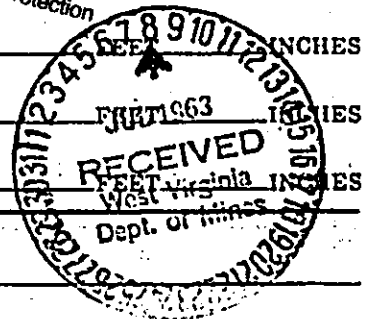
CASING CEMENTED \_\_\_\_\_ No. FT. \_\_\_\_\_ Date \_\_\_\_\_

COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES

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Office of Oil and Gas

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WV Department of  
Environmental Protection



Drillers' Names \_\_\_\_\_

George Moses rig spudder

Remarks:  
I was there early on the morning of July 3, 1963. They had drilled in and set the conductor but there was no one there.

July 3, 1963  
DATE

Wm. E. Kunnwalt  
DISTRICT WELL INSPECTOR

4709100074

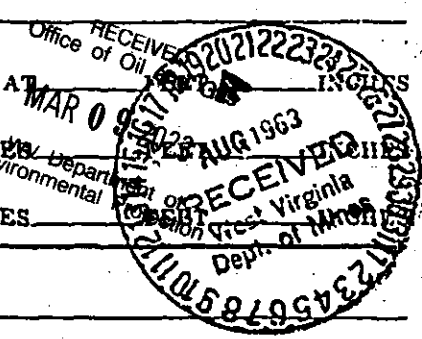
OG-11

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

INSPECTOR'S WELL REPORT

Permit No. Tay 74

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company <u>George W. Moses</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
	Address <u>Clarksburg, W. Va.</u>	Size		
Farm <u>D. L. Cathers, et al</u>	16			
Well No. <u>7</u>	13			Size of
District <u>Flemington</u> County <u>Tay.</u>	10			
Drilling commenced _____	8 3/4			Depth set
Drilling completed _____ Total depth <u>1695</u>	6 3/4			
Date shot _____ Depth of shot _____	5 3/16		1640	Perf. top
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. bottom
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. top
Volume _____ Cu. Ft.	Liners Used			Perf. bottom
Rock pressure _____ lbs _____ hrs.	CASING CEMENTED <u>5 3/16</u> SIZE <u>250</u> No. FT. _____ Date _____			
Oil _____ bbls., 1st 24 hrs.	By <u>Dowell</u>			
Fresh water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES			
Drillers' Names _____				

Remarks: E. started to this well late August 15, 1963 and found out it had been drilled in. I called Mr. Moses and talked to him. He gave me this information. He is getting ready to start another well and that he flew to Charleston to get his permit. I have no permit for this well yet. If I don't get one by August 19, 1963 I will call the office and see if he has one for sure.

Aug 15, 1963  
DATE

Wm. E. Surwalt  
DISTRICT WELL INSPECTOR

03/17/2023

WW-4A  
Revised 6-07

1) Date: \_\_\_\_\_  
2) Operator's Well Number  
D.L. Cathers #3

3) API Well No.: 47 - 091 - 00074

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>Linda Cather</u> Address <u>2117 Berry Run Road</u> <u>Flemington, WV 26347</u></p> <p>(b) Name _____ Address _____</p> <p>(c) Name _____ Address _____</p> <p>6) Inspector <u>Kenneth Greynolds</u> Address <u>613 Broad Run Road</u> <u>Jane Lw. WV 26376</u> Telephone <u>1-304-314-8085</u></p>	<p>5) (a) Coal Operator</p> <p>Name _____ Address _____</p> <p>(b) Coal Owner(s) with Declaration</p> <p>Name <u>Linda Cather</u> Address <u>2117 Berry Run Road</u> <u>Flemington, WV 26347</u></p> <p>Name _____ Address _____</p> <p>(c) Coal Lessee with Declaration</p> <p>Name <u>Coalex Inc</u> Address <u>534 Ashby Ridge Road</u> <u>Parkersburg, WV 26104</u></p>
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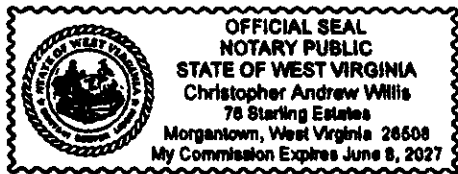
RECEIVED  
Office of Oil and Gas  
MAR 09 2023  
WV Department of  
Environmental Protection

**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-1B, which sets out the parties involved in the work and describes the well site 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 reverse 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 Unknown-DEP Paid Plugging Contract  
 By: Matthew Yearsley  
 Its: Plugging Contractor  
 Address 130 meadow  
mt. priss, PA 15349  
 Telephone 304 291-0125

Subscribed and sworn before me this 1 day of March 2023  
\_\_\_\_\_  
My Commission Expires June 8, 2027 Notary Public

**Oil and Gas Privacy Notice**

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov).

4709100074

Surface Owner Proof of Application sent by Certified Mail

D.L Cathers #3

47-091-00074

7019 2970 0000 9288 9584

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT <i>Domestic Mail Only</i>	
For delivery information, visit our website at <a href="http://www.usps.com">www.usps.com</a> ™.	
Flemington, NJ 08547	
Certified Mail Fee	\$4.15
Extra Services & Fees (check box, add fee if applicable)	\$7.29
<input type="checkbox"/> Return Receipt (hardcopy)	\$10.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$2.94
Total Postage and Fees	\$10.44
0098 03	
Postmark Here	
03/07/2023	
Sent To Ms. Linda Cather	
Street and Apt. No., or PO Box No. 217 Berry Run Road	
City, State, ZIP+4® Flemington NJ 08547	
P.S. Form 3800, April 2013 PSN 7530-02-000-9047 See Reverse for Instructions	

RECEIVED  
Office of Oil and Gas

MAR 09 2023

WV Department of  
Environmental Protection

03/17/2023

4709100074

WW-9  
(5/16)

API Number 47 - 091 - 00074  
Operator's Well No. \_\_\_\_\_

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

Operator Name Unknown-DEP Paid Plugging Contract OP Code \_\_\_\_\_

Watershed (HUC 10) Berry Run Quadrangle Rosemont

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: \_\_\_\_\_

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

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection ( UIC Permit Number \_\_\_\_\_)
- 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: Yes, Gel will be circulated from tank through well bone.

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Freshwater gel and/or cement

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

Additives to be used in drilling medium? Bentonite, Bicarbonate of soda

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

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

-Landfill or offsite name/permit number? Meadowfill, Landfill-permit number #SWF 1032

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 Matthew A. Yearley

Company Official (Typed Name) Matthew A. Yearley

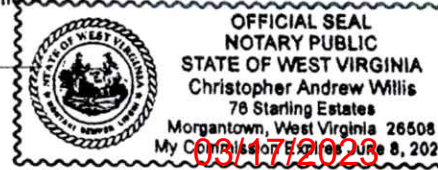
Company Official Title Business Operations Manager

Subscribed and sworn before me this 1 day of March, 20 23

Christopher Andrew Willis

Notary Public

My commission expires June 8, 2027



Proposed Revegetation Treatment: Acres Disturbed 0.12 Prevegetation pH \_\_\_\_\_

Lime 3 Tons/acre or to correct to pH 6.0

Fertilizer type 10-20-20 or Equivalent

Fertilizer amount 500 lbs/acre

Mulch 2 Tons/acre

**Seed Mixtures**

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
See attached			

**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: Harold L. Reynolds

Comments: RECLAIM, SEED & MULCH REPAIR

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Title: OIL & GAS INSPECTOR Date: 2-24-23

Field Reviewed? ( ) Yes (  ) No

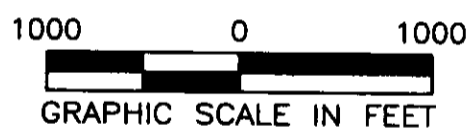
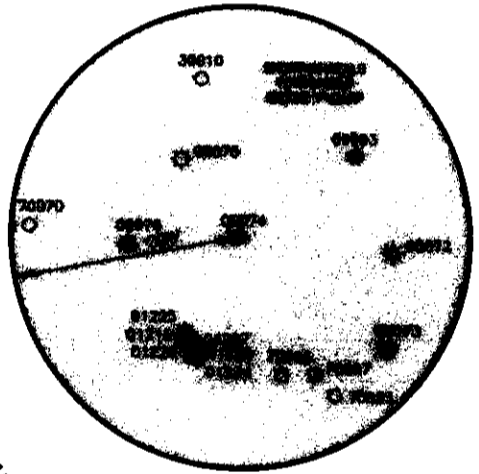
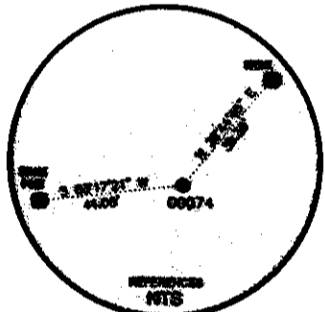
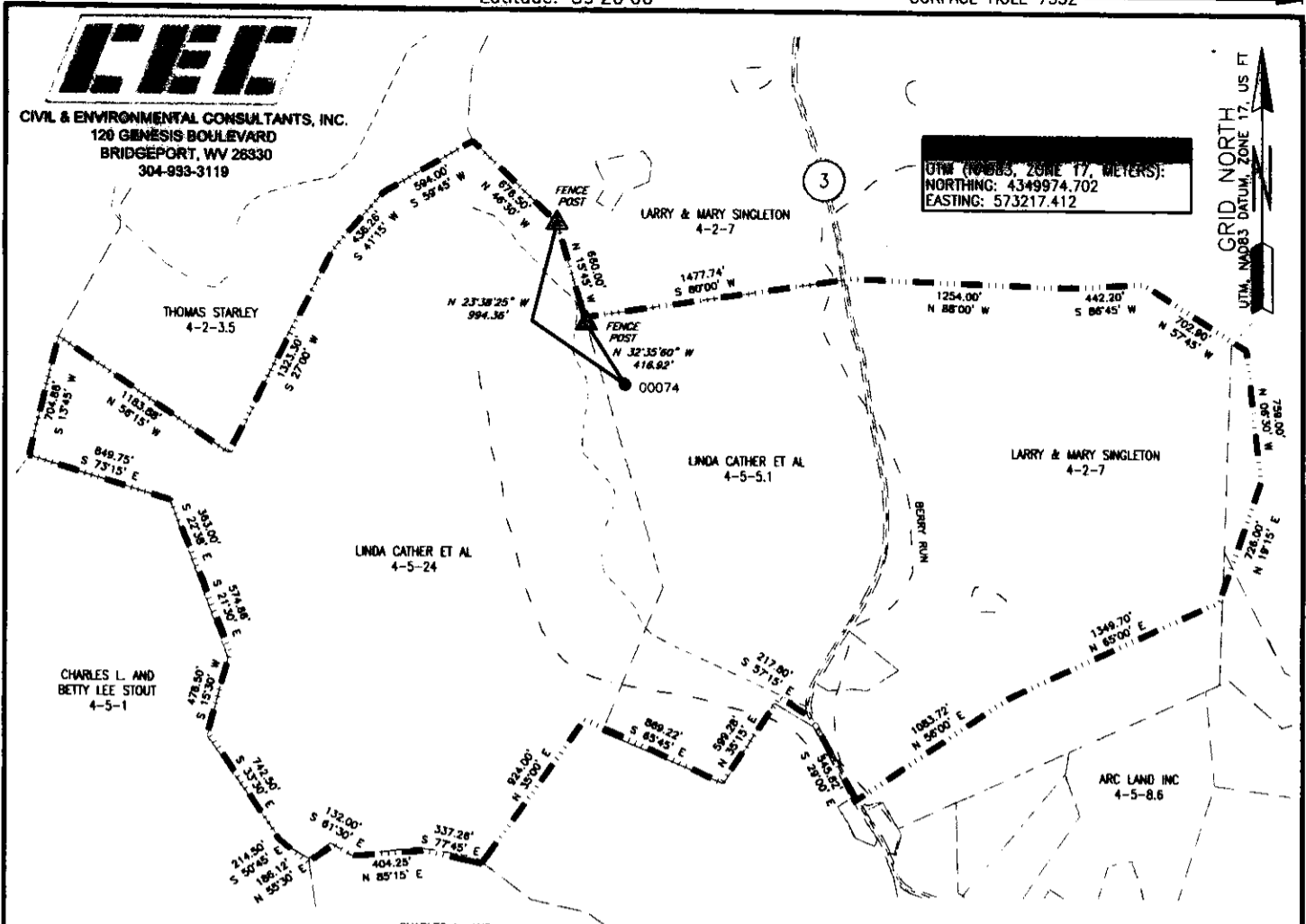




CIVIL & ENVIRONMENTAL CONSULTANTS, INC. 120 GENESIS BOULEVARD BRIDGEPORT, WV 28330 304-933-3119

UTM (NAD83, ZONE 17, METERS): NORTHING: 4349974.702 EASTING: 573217.412

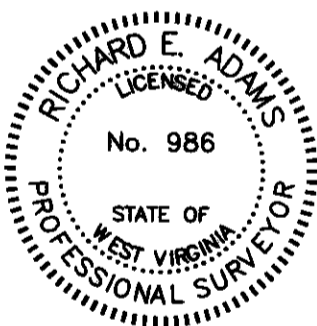
GRID NORTH UTM, NAD83 DATUM, ZONE 17, US FT



NOTES ON SURVEY

- 1. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS. 2. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON. 4. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



P.S. 888 Richard E. Adams 3/2/2023

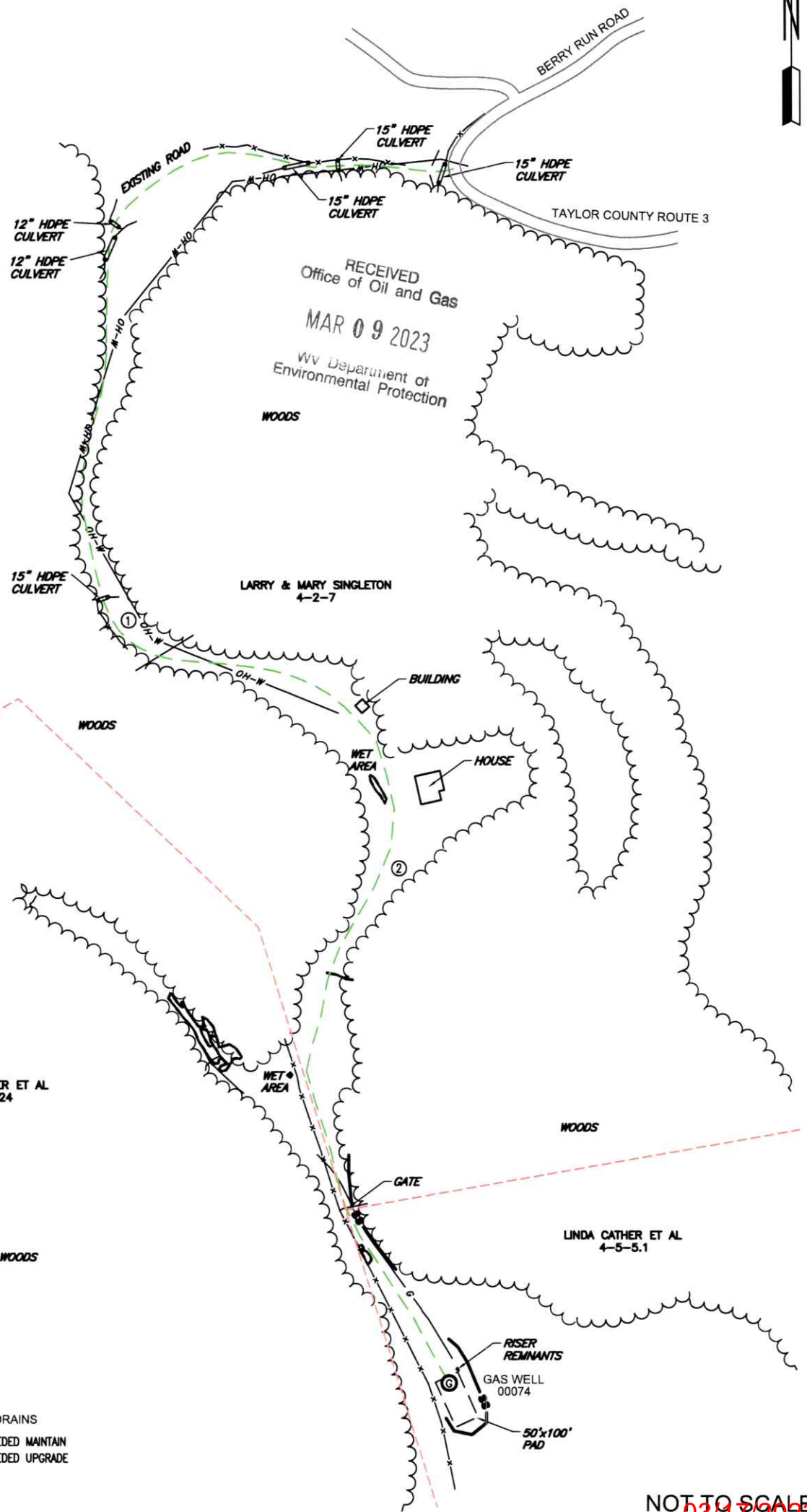
Well location plat form containing fields for well type, operator, location, accuracy, and survey details. Includes a legend for wellheads and lease boundaries.

Longitude: 80°07'30"



4709100074

ACCESS TO THE WELL SITE WILL BE GAINED USING AN EXISTING ACCESS ROAD OFF OF TAYLOR COUNTY ROUTE 3. 2,190 FEET OF EXISTING ACCESS ROAD TO BE MAINTAINED AND 1,409 FEET OF EXISTING ACCESS ROAD TO BE UPGRADED AS NEEDED FOR PLUGGING OPERATIONS. DRAINAGE TO BE MAINTAINED. WELL SITE TO BE RECLAIMED AFTER WELL WORK. TOPSOIL IF ANY TO BE STOCKPILED FOR USE IN RECLAMATION.



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LARRY & MARY SINGLETON  
4-2-7

LINDA CATHER ET AL  
4-5-24

LINDA CATHER ET AL  
4-5-5.1

ROAD	SLOPE	CROSS DRAINS
1	2190'	0 TO -2.0% AS NEEDED MAINTAIN
2	1409'	0 TO 2.0% AS NEEDED UPGRADE

NOT TO SCALE  
03/17/2023

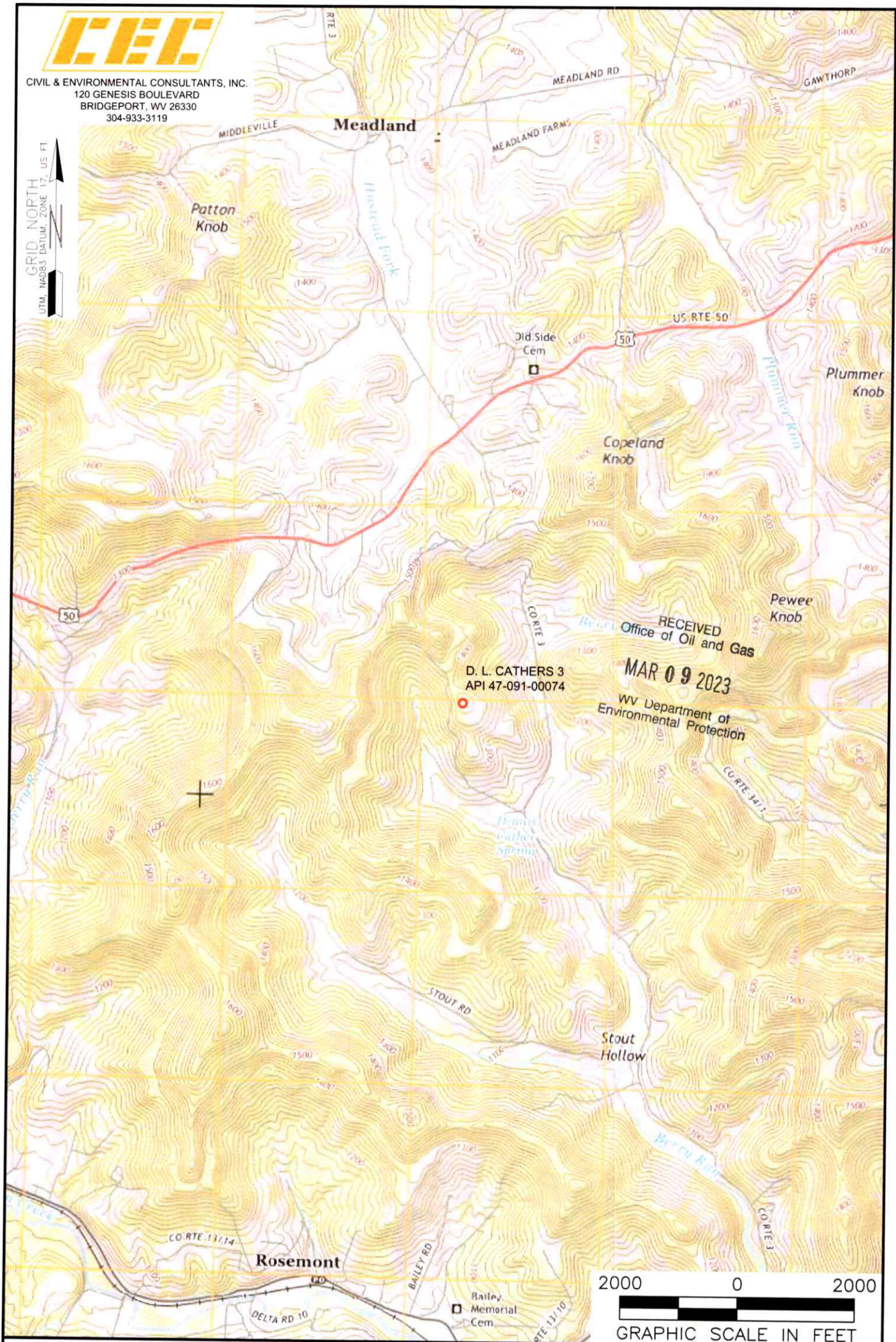
<b>LEGEND:</b>		<b>NOTES</b>	
EXISTING / PRODUCING WELLHEAD	SILT FENCE	1. NO PIT WILL BE CONSTRUCTED. TANKS WILL BE USED FOR FLUIDS.	
EXISTING POWER POLE	OVERHEAD ELECTRIC		
PROPERTY LINE	STREAM		
	TREE LINE		
	DRAINAGE		
	LANDING PAD		
	ACCESS		

<b>WELL OPERATOR:</b> UNKNOWN-DEP PAID PLUGGING CONTRACT WVDEP		<b>WELL (FARM) NAME:</b> D. L. CATHERS		<b>WELL #</b> 3
<b>ADDRESS:</b> 601 57TH STREET, SE CHARLESTON, WV 25304		<b>COUNTY - CODE</b> TAYLOR - 091	<b>DISTRICT;</b> FLEMINGTON	
<b>SURFACE OWNER:</b> LINDA CATHER		<b>USGS 7 1/2 QUADRANGLE MAP NAME</b> ROSEMONT, WV		



CIVIL & ENVIRONMENTAL CONSULTANTS, INC.  
 120 GENESIS BOULEVARD  
 BRIDGEPORT, WV 26330  
 304-933-3119

GRID NORTH  
 UTM, NAD83 DATUM, ZONE 17, US FT



NOTES ON SURVEY

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2. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
4. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

03/17/2023  
 ○ EXISTING SURFACE HOLE

WELL OPERATOR: UNKNOWN-DEP PAID PLUGGING CONTRACT WVDEP	WELL (FARM) NAME: D. L. CATHERS	WELL # 3
ADDRESS: 601 57TH STREET, SE, CHARLESTON, WV 25304	COUNTY - CODE TAYLOR - 091	DISTRICT; FLEMINGTON DISTRICT
SURFACE OWNER: LINDA CATHER 77.13± ACRES	USGS 7 1/2 QUADRANGLE MAP NAME ROSEMONT, WV	

4709100074

**Carder, Eddie**

**From:** rplaugher@theet.com  
**Sent:** Thursday, March 2, 2023 1:16 PM  
**To:** Carder, Eddie  
**Subject:** Classified Ad# 1370728 Confirmation

Please let me know if the ad is approved. Racheal

**The Exponent  
Telegram**

P.O. Box 2000  
Clarksburg, WV 26302  
Phone: 304-626-1420  
Fax: 304-622-3629  
Classified@theet.com

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## Advertising Invoice

CIVIL & ENVIRONMENTAL CONSULTANT  
700 CHERRINGTON PKWY  
MOON TOWNSHIP, PA 15108

Acct#:25529  
Ad#:1370728  
Phone#:412-429-2114  
Date:03/02/2023

Salesperson: RACHEAL PLAUGHER

Classification: Legal Ads

Ad Size: 1.0 x 335.0

### Advertisement Information:

Description	Start	Stop	Ins.	Cost/Day	Total
Classified Exponent	03/03/2023	03/10/2023	2	38.53	77.05

03/17/2023

Affidavit Fee	-	-	-	-	3.00
---------------	---	---	---	---	------

**Payment Information:**

<b>Date:</b>	<b>Order#</b>	<b>Type</b>
03/02/2023	1370728	BILLED ACCOUNT

**Total Amount: 80.05**

**Amount Due: 80.05**

**Attention: Please return the top portion of this invoice with your payment including account and ad number.**

**Ad Copy**

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**Horizontal Natural Gas Well Work Permit Application Notice By Publication**

**Notice is hereby given:**

Pursuant to West Virginia Code 22-6A-10(e) prior to filing an application for a permit for a horizontal well the applicant shall publish in the county in which the well is located or is proposed to be located a Class II legal advertisement.

**Paper:** Exponent Telegram

**Public Notice Date:** 3/3/2023 and 3/10/2023

The following applicant intends to apply for a horizontal natural well work permit which disturbs three acres or more of surface excluding pipelines, gathering lines and roads or utilizes more than two hundred ten thousand gallons of water in any thirty day period.

**Applicant:** Long Ridge WV LLC Well Number: Country Pad UHM

**Address:** 501 Corporate Drive, Suite 210, Canonsburg, PA 15317

**Business Conducted:** Natural gas production.

**Location**

State: West Virginia

County: Harrison

District: Clay Outside

Quadrangle:

UTM Coordinate NAD83 Northing: 4356383.0559

UTM coordinate NAD83 Easting: 568066.0501

Watershed: Thomas Fork, Lower West Fork River

Coordinate Conversion:

To convert the coordinates above into longitude and latitude, visit: [http://tagis.dep.wv.gov/convert/llutm\\_conus.php](http://tagis.dep.wv.gov/convert/llutm_conus.php)

**Electronic notification:**

To receive an email when applications have been received or issued by the Office of Oil and Gas, visit <http://www.dep.wv.gov/insidedep/Pages/DEPMailingLists.aspx> to sign up.

**Reviewing Applications:**

Copies of the proposed permit application may be reviewed at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE Charleston, WV 25304 (304-926-0450). Full copies or scans of the proposed permit application will cost \$15, whether mailed or obtained at DEP headquarters. Copies may be requested by calling the office or by sending an email to [DEP.comments@wv.gov](mailto:DEP.comments@wv.gov).

**Submitting Comments:**

Comments may be submitted online at <https://apps.dep.wv.gov/oog/comments/comments.dm>, or by letter to Permit Review, Office of Oil and Gas, 601 57th Street, SE Charleston, WV 25304. Please reference the county, well number, and operator when using this option.

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TABLE A - VOLUME FEES	
If the daily discharge (in gallons) is:	The Volume Fee is:
<250	\$ 50.00
250 - 500	\$ 75.00
501 - 1000	\$ 150.00
1001 - 5000	\$ 200.00
5001 - 50,000 <i>8500</i>	\$ 400.00
50,001 - 100,000	\$ 600.00
>100,000	\$ 850.00

TABLE B - TREATMENT FACTORS	
LEVEL OF TREATMENT	TREATMENT FACTOR
NO TREATMENT	3
PRIMARY TREATMENT	2.5
SECONDARY TREATMENT	2
TERTIARY TREATMENT	1.5
>TERTIARY TREATMENT	1

*How to determine*

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TABLE C -- CLASS 5 WELL TYPE CODES & FACTORS	
WELL TYPE CODES	FACTOR
DRAINAGE WELLS	
5F1	1
5D2 drilled stormwater well	1
5D3 improved sinkhole	2
5D4 industrial drainage	3
5G30	1
GEOTHERMAL REINJECTION WELLS	
5A5	3
5A6	3
5A7	1
5A8	3

DOMESTIC WASTEWATER DISPOSAL WELLS	
5W9	3
5W10	1
5W11	2
5W31	2
5W32	1
5W12	1
MINERAL AND FOSSIL FUEL RECOVERY RELATED WELLS	
5X13	3
5X14	2
5X15	2
5X16	2
OIL FIELD PRODUCTION WASTE DISPOSAL WELLS	
5X17	3
5X18	2
INDUSTRIAL/COMMERCIAL/UTILITY DISPOSAL WELLS	
5A19	2
5W20	3
RECHARGE WELLS	
5R21	1
5B22	1
5S23	1
MISCELLANEOUS WELLS	
5N24	4
5X25	3
5X26 (Groundwater Remediation wells)	1
5X29	3
5X27	3

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**SURFACE OWNER WAIVER**

Operator's Well  
Number

**4709100074**  
D.L. Cathers #3

**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 57<sup>th</sup> St. SE  
Charleston, WV 25304  
(304) 926-0450

**Time Limits and methods for filing comments.** The law requires these materials to be served on or before the date the operator files his Application. You have **FIVE (5) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

**Comments must be in writing.** Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 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,  
ETC.**

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

Signature

Date

**03/17/2023**

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4709100074

WW-4B

API No. 47-091-00074  
Farm Name \_\_\_\_\_  
Well No. D.L. Cathers #3

**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.

**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 \_\_\_\_\_

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**XIV. PERMIT and APPLICATION FEES**

**No permit application will be processed until the appropriate fee has been received, therefore you must calculate the appropriate application fee and submit with the application.** Complete the following permit application fee worksheet and return it with the permit application. The minimum permit application fee is \$25.00 and the maximum permit application fee is \$1,500.00. The minimum annual permit fee is \$25.00 and the maximum annual permit fee is \$500.00. Permits are issued for a period of five years and the annual permit fee is due on the anniversary of the date the permit was issued. In addition, an annual Groundwater Fee of \$15.00 is due on the anniversary of the date the permit was issued.

**A. FEE CALCULATION:**

Use Tables A (Volume Fees), B (Treatment Factors), and C (Well Type Codes & Factors) to calculate your application fee using the following formula:

$$\text{Permit Application Fee} = (\text{Volume Fee}) \times (\text{Treatment Factor}) \times (\text{Well Type Factor})$$

**CALCULATE THE PERMIT APPLICATION FEE FOR YOUR FACILITY IN THE SPACE BELOW.**

$$\text{Fee} = (\text{Volume Fee}) \times (\text{Treatment Factor}) \times (\text{Well Type Factor})$$

$$\text{Fee} = \frac{850}{(\text{Table A})} \times \frac{2.5}{(\text{Table B})} \times \frac{2}{(\text{Table C})}$$

$$\text{Calculated Permit Application Fee} = \underline{4250.00}$$

$$\text{ACTUAL PERMIT APPLICATION FEE} = \underline{1500.00}$$

(Minimum \$25.00; Maximum \$1500.00)

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**B. ANNUAL PERMIT FEE**

The Annual Permit Fee is calculated using the following formula:

$$\text{Annual Permit Fee} = (\text{Volume Fee}) \times (\text{Treatment Factor}) \times (\text{Well Type Factor}) \times 0.333$$

**USE THE SPACE BELOW TO CALCULATE THE ANNUAL PERMIT FEE FOR THIS FACILITY.**

$$\text{Fee} = \frac{8500}{(\text{Table A})} \times \frac{2.5}{(\text{Table B})} \times \frac{2}{(\text{Table C})} \times 0.333$$

$$\text{Calculated Annual Permit Fee} = \underline{1415}$$

$$\text{ACTUAL ANNUAL PERMIT FEE} = \underline{500}$$

(Minimum \$25.00; Maximum \$500.00)



March 06, 2023

Mr. Jason Harmon  
West Virginia Department of Environmental Protection  
Office of Environmental Protection  
601 57<sup>th</sup> Street SE  
Charleston, WV 25304

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RE: DEP-Paid Plugging Contract  
Plugging Applications-D. L. Cathers #3 (API# 47-091-00074)

CEC Project # 324-513

Dear Mr. Harmon:

On behalf of Coastal Drilling East, please find the enclosed plugging application for D. L. Cathers #3 well for your review.

Please feel free to contact me at (304) 629-6309 or [ecarder@cecinc.com](mailto:ecarder@cecinc.com) if you have any questions or require any additional information.

Very truly yours,  
CIVIL & ENVIRONMENTAL CONSULTANTS, INC.

  
Eddie Carder  
Senior Project Manager

  
Joseph D. Robinson, P.E.  
Vice President



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

---

## Plugging permits issued 4700100504 4709100074 4709100075

1 message

---

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

Fri, Mar 17, 2023 at 3:11 PM

To: Henry J Harmon <henry.j.harmon@wv.gov>, ecarder@cecinc.com, Kenneth L Greynolds <kenneth.l.greynolds@wv.gov>, spencer@assessor.state.wv.us, ckinsey@wvassessor.com


To whom it may concern, plugging permits have been issued for 4700100504 4709100074 4709100075.


James Kennedy


WVDEP OOG


---


### 6 attachments


 **IR-8 4700100504.pdf**  
12K

 **IR-8 4709100075.pdf**  
120K

 **ir-8 4709100074.pdf**  
120K

 **4709100074.pdf**  
2375K

 **4709100075.pdf**  
2089K

 **4700100504.pdf**  
2489K

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