

02/10/2023



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

Tuesday, February 7, 2023
WELL WORK PLUGGING PERMIT
Vertical Plugging

UNKNOWN - DEP PAID PLUGGING CONTRACT
601 57TH STREET

CHARLESTON, WV 25304

Re: Permit approval for 1
47-091-00072-00-00

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: CATHERS, D. L.
U.S. WELL NUMBER: 47-091-00072-00-00
Vertical Plugging
Date Issued: 2/7/2023

Promoting a healthy environment.

PERMIT CONDITIONS 4709100072 ^{02/10/2023}

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.

1) Date _____, 2023
2) Operator's _____
Well No. D.L. Cathers #1 02/10/2023
3) API Well No. 47-001 - 0072

4709100072

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 1156 Ft. Watershed West Fork
District Flemington County Taylor Quadrangle Rosemont

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

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 1465'- surface. Determine free point on 5 1/2 casing.
TIH with tubing to 1465', set 165' Class L cement plug from 1465' to 1300'. TOOH w. tubing. WOC. Tag TOC
Cut 5 3/16 csg @ free point, TOOH w/csg.
TOOH w tubing 1300' Set Class L cement plug from 1300'- 1000', TOOH w. tubing to 650' gel hole 1000' to 450' WOC Tag Cement Plug
TOOH w tubing to ^{450'}350', set 450' Class L cement plug ^{450'}350'- to 0' (Fresh Water @ 40', 265', 324')

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
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Office of Oil and Gas
JAN 30 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 E. Greynolds Date 1-20-23



4709100072 02/10/2023

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION /7

Quadrangle Fairmont

Permit No. TAY- 72

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company George W. Moses
Address Box 309, Clarksburg, W. Va.
Farm D. L. Cathers Acres 504
Location (waters) _____
Well No. One Elev. 1156
District Flemington County Taylor
The surface of tract is owned in fee by D. L. Cathers
Address Flemington, W. Va. 26434
Mineral rights are owned by _____
Address _____
Drilling commenced 3/11/63
Drilling completed 5/1/63
Date Shot _____ From _____ To _____
With _____
Open Flow 14 /10ths Water in One Inch
_____ /10ths Merc. in _____ Inch
Volume 36,000 Cu. Ft.
Rock Pressure 350 lbs. 24 hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____

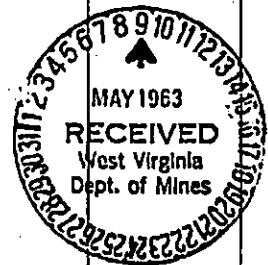
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
14 14"	12	12	Size of _____
10	333	none	Depth set _____
	704	none	
6 3/4	1287	none	Perf. top _____
5 3/16	1465	1465	Perf. bottom _____
3			Perf. top _____
2			Perf. bottom _____
Liners Used			

CASING CEMENTED 5 1/2 SIZE _____ No. Ft. 4/26/63 date
(25 sack cement) HAL LIBURTON
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

WELL FRACTURED Fractured with 800 bbl water and 2800# sand, 500 gals acid
RESULT AFTER TREATMENT 500,000 cu. ft.
ROCK PRESSURE AFTER TREATMENT 350#
Fresh Water 40--265--324 Feet Salt Water none Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Clay			0	12			
Lime			12	20			
Slate			20	53	Water	40	
Red Rock			53	80			
Lime			80	103			
Slate			103	227			
Lime			227	260			
Sand			260	270	Water	265	
Lime			270	347 347	water	324	
Sand			347	418			
Slate			418	422			
Sand			422	457			
Slate and Shells			457	519			
Sand			519	550			
Sand Lime Dark			550	555			
Dark Slate			555	579			
Sand			579	625			
Dark Slate			625	637			
Gritty Lime			637	658			
Dark Slate			658	675			
Lime Dark			675	704			
Sand			704	721			
Slate			721	729			
Sand			729	900			
Slate and Shells			900	938			
Gritty Lime			938	949			
Sand			949	964			
Red Rock			964	1004			
Lime			1004	1126			

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JAN 30 2023
WV Department of
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4709100072

02/10/2023

Formation	Color	Hard or Soft	Top /	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand			1126	1130			
Slate			1130	1238			
Little Lime			1238	1250			
Slate			1250	1265			
Lime			1265	1275			
Slate			1275	1279			
Big Lime			1279	1368			
Big Injun			1368	1434			
Slate and Shells			1434	1459			
Total Depth			1459				

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Office of Oil and Gas

JAN 30 2023

WV Department of
Environmental Protection

Date _____, 19____

APPROVED _____, Owner

By _____
(Title)

47091000723

WW-4A
Revised 6-07

1) Date: 12/7/2022
2) Operator's Well Number
D.L. Cathers #1
3) API Well No.: 47 - 091 - 00072

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

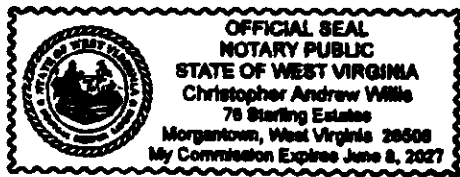
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Larry & Mary Singleton</u>	Name _____
Address <u>2700 Berry Run Road</u>	Address _____
<u>Flemington, WV 26347</u>	
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>CoalQuest Development LLC</u>
	Address <u>300 Corporate Center Drive</u>
	<u>Scott Depot, WV 25580</u>
(c) Name _____	Name _____
Address _____	Address _____
6) Inspector <u>Kenneth Greynolds</u>	(c) Coal Lessee with Declaration
Address <u>613 Broad Run Road</u>	Name <u>Wolf Run Mining Company</u>
<u>Jane Lew, WV 26376</u>	Address <u>1 Edmiston Way Ste 113</u>
Telephone <u>1-304-314-6095</u>	<u>Buckhannon, WV 26201</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 Unknown- DEP Paid Plugging Contract
 By: Matthew Yearsey
 Its: Plugging Contractor
 Address 130 Meadow Ridge Park
Mant more PO 1524
 Telephone 304-291-0175

RECEIVED
Office of Oil and Gas
JAN 30 2023

Subscribed and sworn before me this 17 day of January 2023
Christopher Andrew Willis Notary Public
My Commission Expires June 8, 2027

WV Department of
Environmental Protection

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.

4709100072 02/16/2023

7019 2970 0000 9288 9454

U.S. Postal Service
CERTIFIED MAIL RECEIPT
 Domestic Mail Only

For delivery information, visit our website at www.usps.com

Buckhannon WV 26201
OFFICIAL USE

Certified Mail Fee \$4.15

0098
03

Postmark Here

01/23/2023

Extra Services & Fees (check box, add fee to postage)

<input type="checkbox"/> Return Receipt (hardcopy)	\$ 00.00
<input type="checkbox"/> Return Receipt (electronic)	\$ 00.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$ 00.00
<input type="checkbox"/> Adult Signature Required	\$ 00.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$ 00.00

Postage \$4.75

Total Postage and Fees \$12.25

Sent To
 Wolf Run Mining Company
 Street and Apt. No., or PO Box No.
 Edmiston Way Ste 113
 City, State, ZIP+4
 Buckhannon WV 26201

PS Form 3800, April 2015 See Reverse for Instructions

7019 2970 0000 9288 9461

U.S. Postal Service
CERTIFIED MAIL RECEIPT
 Domestic Mail Only

For delivery information, visit our website at www.usps.com

Flemington WV 26377
OFFICIAL USE

Certified Mail Fee \$4.15

0098
03

Postmark Here

01/23/2023

Extra Services & Fees (check box, add fee to postage)

<input type="checkbox"/> Return Receipt (hardcopy)	\$ 00.00
<input type="checkbox"/> Return Receipt (electronic)	\$ 00.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$ 00.00
<input type="checkbox"/> Adult Signature Required	\$ 00.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$ 00.00

Postage \$4.75

Total Postage and Fees \$12.25

Sent To
 Mr. and Mrs. Jerry Singleton
 Street and Apt. No., or PO Box No.
 2700 Berry Run Road
 City, State, ZIP+4
 Flemington WV 26377

PS Form 3800, April 2015 See Reverse for Instructions

7019 2970 0000 9288 9447

U.S. Postal Service
CERTIFIED MAIL RECEIPT
 Domestic Mail Only

For delivery information, visit our website at www.usps.com

Scott Depot WV 26560
OFFICIAL USE

Certified Mail Fee \$4.15

0098
03

Postmark Here

01/23/2023

Extra Services & Fees (check box, add fee to postage)

<input type="checkbox"/> Return Receipt (hardcopy)	\$ 00.00
<input type="checkbox"/> Return Receipt (electronic)	\$ 00.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$ 00.00
<input type="checkbox"/> Adult Signature Required	\$ 00.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$ 00.00

Postage \$4.85

Total Postage and Fees \$12.35

Sent To
 Colapost Development LLC
 Street and Apt. No., or PO Box No.
 300 Corporate Center Drive
 City, State, ZIP+4
 Scott Depot WV 26560

PS Form 3800, April 2015 See Reverse for Instructions

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 Office of Oil and Gas
 JAN 30 2023
 WV Department of
 Environmental Protection



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, SE
Charleston, WV 25304
Phone (304) 926-0450

Harold D. Ward, Cabinet Secretary
dep.wv.gov

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

**IN THE MATTER OF A VARIANCE FROM)
LEGISLATIVE RULE 35CSR4) ORDER NO. 2022-13
SECTION 14.1. AND LEGISLATIVE RULE)
35CSR8 SECTION 20.1,)
RELATING TO THE CEMENTING)
OF OIL AND GAS WELLS)**

REPORT OF THE OFFICE

In response to industry requests, the West Virginia Department of Environmental Protection, Office of Oil and Gas has reviewed the proposed use of American Petroleum Institute (API) Class L cement to be used in place of API Class A cement for well plugging.

FINDINGS OF FACT

1. On July 28, 2022, Diversified Gas & Oil Co. (DGO) submitted a variance request from Legislative Rule 35CSR4 for the use of API Class L cement in place of API Class A cement, relating to the plugging of conventional wells.
2. Laboratory analysis submitted by DGO on July 28, 2022, indicates API Class L cement is comparable to API Class A cement and thereby satisfies the requirements of the West Virginia Code.
3. Contemporaneously, the Chief of the Office of Oil and Gas also chose to consider a variance to Legislative Rule 35CSR8 Section 20.1., for the use of API Class L cement in place of API Class A cement, relating to the plugging of horizontal wells.

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.

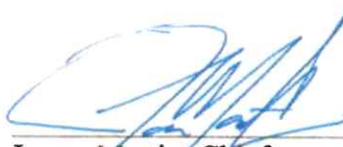
ORDER

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

WW-9
(5/16)

4709100072
02/10/2023

API Number 47 - 091 - 00072
Operator's Well No. D.L. Cathers #1

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) West Fork 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

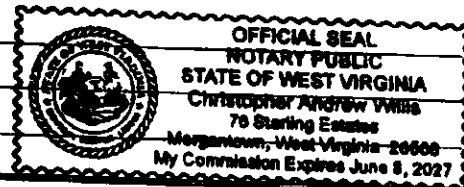
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Environmental Protection

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 *Matthew A. Yearley*
Company Official (Typed Name) Matthew A. Yearley
Company Official Title Operations Manager



Subscribed and sworn before me this 17 day of January, 2023

Christopher Willis Notary Public
My commission expires June 8, 2027

Proposed Revegetation Treatment: Acres Disturbed 0.12 Prevegetation pH 6.5

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: *Kenneth L. Reynolds*

Comments: _____

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Office of Oil and Gas
JAN 30 2023
WV Department of
Environmental Protection

Title: OIL & GAS INSPECTION

Date: 1-20-23

Field Reviewed? () Yes () No

02/10/2023

47-09100072

CAUDILL SEED * 1004 E. MAIN ST. BOX 10002 * HORNERSVILLE NY 48567 * 801-4 4823

NOTICE TO CONSUMERS

Notice to consumers regarding the sale of seeds... The seeds are sold as-is and are not guaranteed to be pure or to perform as advertised. The buyer assumes all risk of loss or damage to the seeds and the resulting crop. The seller is not responsible for any loss or damage to the crop or for any other losses or damages resulting from the use of the seeds.

PLANTING INSTRUCTIONS: Sow seeds in rows 2-3 ft apart. Cover with 1/2 inch of soil. Water regularly. Do not use herbicides or pesticides.

NET WEIGHT: 1 LB
GROSS WEIGHT: 1.5 LB
CONTAINS: 1000 SEEDS

NET WEIGHT: 1 LB
GROSS WEIGHT: 1.5 LB
CONTAINS: 1000 SEEDS

NET WEIGHT: 1 LB
GROSS WEIGHT: 1.5 LB
CONTAINS: 1000 SEEDS

NOTICE TO CONSUMERS... The seeds are sold as-is and are not guaranteed to be pure or to perform as advertised. The buyer assumes all risk of loss or damage to the seeds and the resulting crop. The seller is not responsible for any loss or damage to the crop or for any other losses or damages resulting from the use of the seeds.

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CONTAINS: 1000 SEEDS

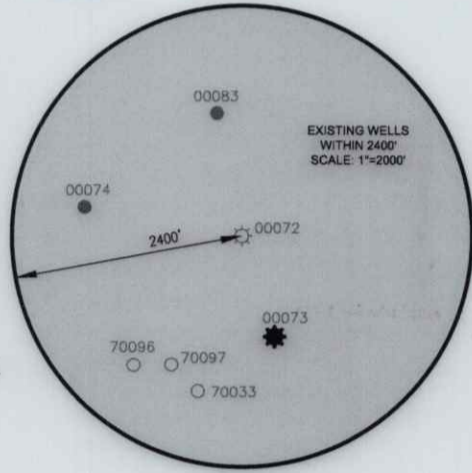
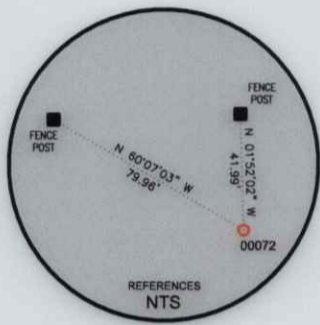
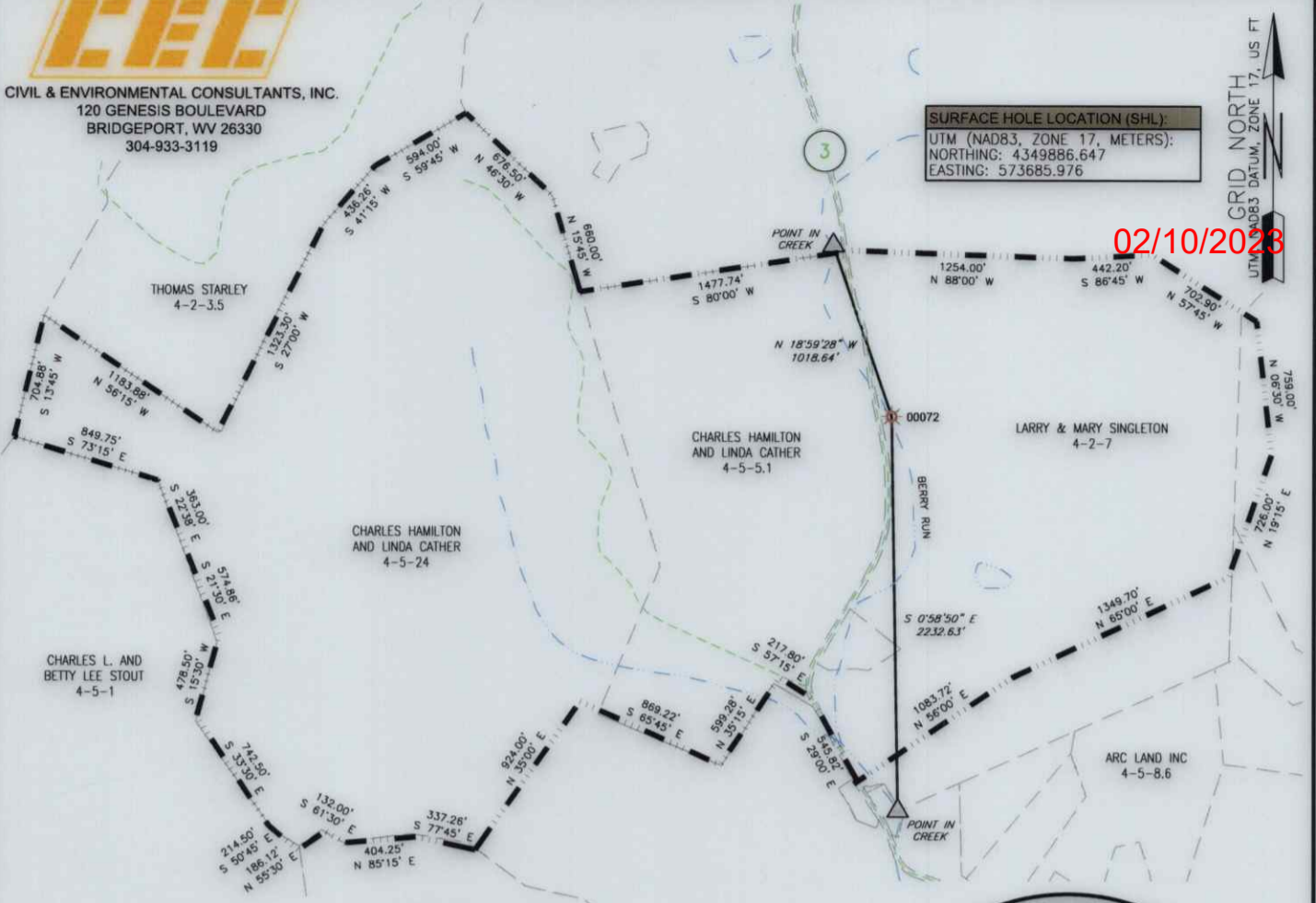
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CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
120 GENESIS BOULEVARD
BRIDGEPORT, WV 26330
304-933-3119

SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4349886.647
EASTING: 573685.976

02/10/2023



- 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.
 3. 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. 986 *Richard E. Adams*

	(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS	MINIMUM DEGREE OF ACCURACY: 1/200	OPERATOR'S WELL #: D. L. CATHERS 1
	WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034	SURVEY GRADE GPS PROVEN SOURCE OF ELEVATION: (NAVD 88, US FT)	API WELL #: 47 091 00072 STATE COUNTY PERMIT

WELL TYPE: OIL WASTE DISPOSAL PRODUCTION DEEP GAS LIQUID INJECTION STORAGE SHALLOW

WATERSHED: BERRY RUN ELEVATION: 1155.43'

DISTRICT: FLEMINGTON DISTRICT COUNTY: TAYLOR QUADRANGLE: ROSEMONT

SURFACE OWNER: LARRY & MARY SINGLETON ACREAGE: 414.24±

OIL & GAS ROYALTY OWNER: GEORGE W. MOSES ACREAGE: 504±

DRILL DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION

CONVERT PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY)

TARGET FORMATION: BIG INJUN ESTIMATED DEPTH: 1459'

WELL OPERATOR: UNKNOWN-DEP PAID PLUGGING CONTRACT WVDEP DESIGNATED AGENT: H. JASON HARMON

ADDRESS: 601 57TH STREET, SE ADDRESS: 601 57TH STREET, SE

CITY: CHARLESTON STATE: WV ZIP CODE: 25304 CITY: CHARLESTON STATE: WV ZIP CODE: 25304

LEGEND: EXISTING / PRODUCING WELLHEAD LEASE BOUNDARY	REVISIONS:	DATE: 12-16-2022
		DRAWN BY: K.E.S.
		SCALE: 1" = 1000'
		DRAWING NO: 324-513
		WELL LOCATION PLAT

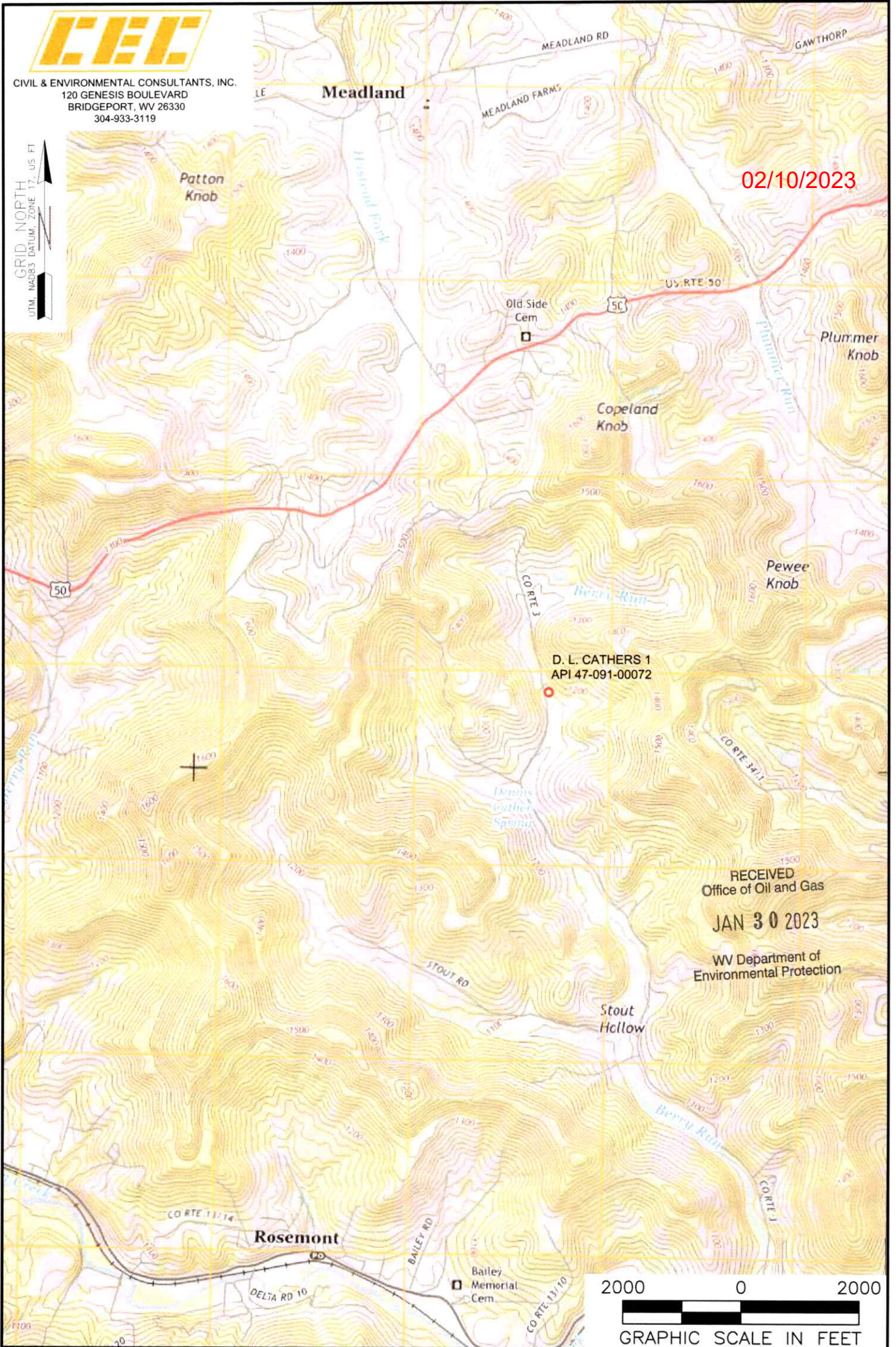
Longitude: 80°07'30"



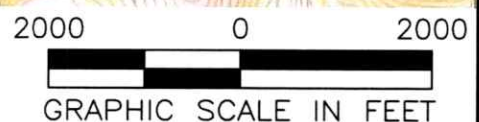
CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
 120 GENESIS BOULEVARD
 BRIDGEPORT, WV 26330
 304-933-3119

GRID NORTH
 UTM, NAD83 DATUM, ZONE 17, U.S. FT

02/10/2023



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 WV Department of
 Environmental Protection



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.

LEGEND:

○ EXISTING SURFACE HOLE

WELL OPERATOR: UNKNOWN-DEP PAID PLUGGING CONTRACT WVDEP		WELL (FARM) NAME: D. L. CATHERS		WELL # 1
ADDRESS: 601 57TH STREET, SE, CHARLESTON, WV 25304		COUNTY - CODE TAYLOR - 091	DISTRICT; FLEMINGTON DISTRICT	
SURFACE OWNER: LARRY AND MARY SINGLETON 414.24± ACRES		USGS 7 1/2 QUADRANGLE MAP NAME ROSEMONT, WV		

ACCESS TO THE WELL SITE WILL BE GAINED USING A PROPOSED ACCESS ROAD OFF OF TAYLOR COUNTY ROUTE 3. 78 FEET OF PROPOSED ACCESS ROAD AND 20 FEET OF PROPOSED ACCESS ROAD TO BE CONSTRUCTED AND MAINTAINED 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.

4709100072

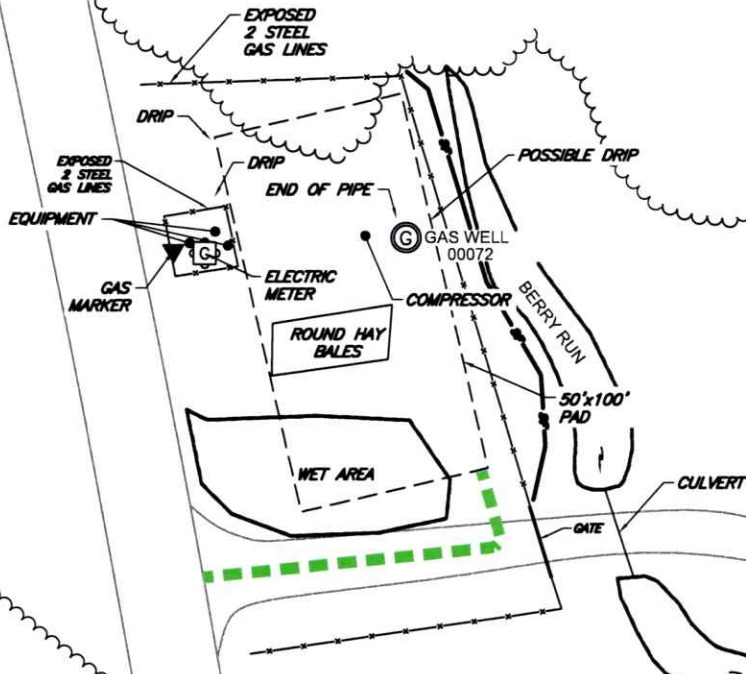
02/10/2023



TAYLOR COUNTY ROUTE 3

WOODS

ROAD SLOPE CROSS DRAINS
1 20' 0 TO -2.0% AS NEEDED
78' OF EXISTING ACCESS ROAD



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NOTE: TIMBER MATS WILL BE USED ON WET AREAS.

NOT TO SCALE

LEGEND:

- ⊙ EXISTING / PRODUCING WELLHEAD
- LANDING POINT LOCATION
- ⊕ EXISTING POWER POLE

- SILT FENCE
- OVERHEAD ELECTRIC
- STREAM
- TREE LINE
- DRAINAGE
- ELECTRIC/TELEPHONE/CABLE
- ACCESS

NOTES

1. NO PIT WILL BE CONSTRUCTED. TANKS WILL BE USED FOR FLUIDS.

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

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WV Department of
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GEORGE W. MOSES
OIL AND GAS
CLARKSBURG, WEST VIRGINIA

March 6, 1963

Mrs. Marie Griffith,
State Dept of Mines
Oil and Gas Division
Charleston, W. Va.

Dear Mrs, Griffith:

As per our telephone conversation I wish to state that the lease for the D. L. Cathers Farm of 504 acres situate in Flemington District of Taylor county which was leased to Equitable gas Company has as yet not been recorded. I shall promptly notify you when the lease has been recorded and give you the date and lease book number wherin recorded.

Insofar as the well location is considerably below the pittsburgh coal,## I am wondering if perhaps you could forego the usual 10 days waiting period for issuance of drilling permit. As you know I had another drilling permit (Well # 2 on G. E. McCue Farm) but since the first well was dry, I had to change my plan. As you know, at best it takes quite some time to get a location ready to drill, getting survey made and getting prints made and it would really be a help if you could favor me in this instance as my men need to work, and my drilling machinery does not need to sit idle either.

Will you kindly send me some og-8 forms so that I may send you the affidavit of the plugging of G. E. McCue Well # 1. *mailed 3-11-63*

My address is now 412 Ray Court, Clarksburg and My phone is Clarksburg Ma-32769.

Thanking you for the many past favors and trusting that things are well with you and yours, I remain--

Respectfully Yours

George W. Moses
George W. Moses



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JAN 30 2023

WV Department of
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GWM



02/10/2023
4709100072

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.

Well Location below Coal
COAL OPERATOR OR COAL OWNER
This well is in the bottom
The pittsburgh coal has been
stripped up on ~~the~~ the hill tops.

George W. Moses
NAME OF WELL OPERATOR
412 Ray Court
Clarksburg, W. Va.
COMPLETE ADDRESS

March 6, 1963
PROPOSED LOCATION

COAL OPERATOR OR COAL OWNER
ADDRESS

Flemington District
Taylor County

OWNER OF MINERAL RIGHTS
ADDRESS

Well No. 53 One 39° 20'
80° 05' Elev. 1156'

D. L. Cathers Farm
504 acres

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, to Equitable Gas Company, and recorded on the _____ day of _____, in the office of the County Clerk for said County in Book _____, page _____ Assigned by Equitable Gas Co., 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.

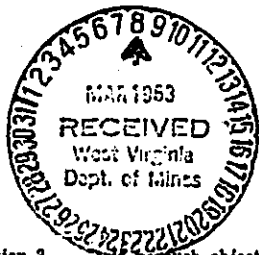
(The next paragraph is to be completed only in Department's copy.)

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
412 Ray Court
STREET
Clarksburg, W. Va.
CITY OR TOWN
STATE

Address of Well Operator }



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WV Department of Environmental Protection

*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 said 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.

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

4709100072 02/10/2023

INSPECTOR'S WELL REPORT

Permit No. Tay. 72

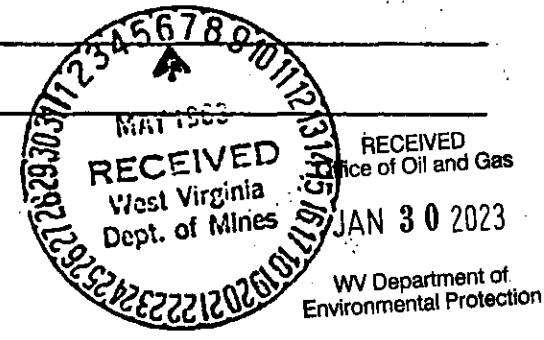
Oil or Gas Well _____
(KIND)

Company	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
<u>George W. Moses</u>				
<u>Address 412 Ray Court, Clarksburg, W. Va.</u>	Size			
<u>Farm D. L. Gathers</u>	16	12		Kind of Packer
<u>Well No. one</u>	13			
<u>District Flemington County Taylor</u>	10	333		Size of
<u>Drilling commenced March 11, 1963</u>	8 5/8	704		
<u>Drilling completed 4-26-63 Total depth 1450</u>	6 7/8	1287		Depth set
<u>Date shot _____ Depth of shot _____</u>	5 1/2	1459		
<u>Initial open flow _____ /10ths Water in _____ Inch</u>	3			Perf. top
<u>Open flow after tubing _____ /10ths Merc. in _____ Inch</u>	2			Perf. bottom
<u>Volume _____ Cu. Ft.</u>	Liners Used			Perf. top
<u>Rora pressure _____ lbs _____ hrs.</u>				Perf. bottom
<u>Oil _____ bbls., 1st 24 hrs.</u>	CASING CEMENTED	SIZE	No. FT.	Date
<u>Fresh water 40-265 feet 324 feet</u>	<u>No coal logged</u>			
<u>Salt water _____ feet _____ feet</u>	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names W. L. Moody - Harold G. Miller

Remarks: Moses rig spudder

Show of oil 370



May 2, 1963
DATE

W. M. E. L...
DISTRICT WELL INSPECTOR

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

4709100072 02/10/2023

INSPECTOR'S WELL REPORT

Permit No. Tay. 72

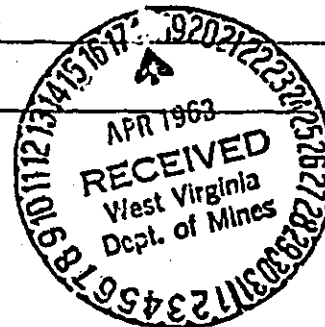
Oil or Gas Well
(KIND)

Company <u>Geo. W. Moses</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
	Address <u>412 Ray Court, Clarksburg, W. Va.</u>	Size		
Farm <u>D. I. Gathers, et al</u>	16			
Well No. <u>one</u>	13			
District <u>Flemington</u> County <u>Tay.</u>	10	333		Size of
Drilling commenced <u>March 11, 1962</u>	8 1/2	704		Depth set
Drilling completed <u>Final depth 860</u>	6 3/4			
Date shot _____ Depth of shot _____	5 3/16			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 _____ SIZE _____ No. FT. _____ Date _____			
Oil _____ bbls., 1st 21 hrs.	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Fresh water <u>40</u> feet <u>324</u> feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names Hull-Moody

Remarks: Moses rig

Drilling in shaley lime. Show of oil @ 370



April 11, 1963
DATE

W. E. Sturwald
DISTRICT WELL INSPECTOR

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

02/10/2023

4709100072

INSPECTOR'S WELL REPORT

Permit No. Tay. 72

Oil or Gas Well _____
(KIND)

Company <u>George W. Moses</u> Address <u>Clarksburg, W. Va.</u> Farm <u>D. I. Cabhers, et al</u> Well No. <u>5</u> District <u>Flemington</u> County <u>Taylor</u> Drilling commenced <u>March 11, 1963</u> Drilling completed _____ Total depth <u>306</u> Date shot _____ Depth of shot _____ Initial open flow _____ /10ths Water in _____ Inch Open flow after tubing _____ /10ths Merc. in _____ Inch Volume _____ Cu. Ft. Block pressure _____ lbs. _____ hrs. Oil _____ bbls., 1st 24 hrs. Fresh water <u>210</u> feet _____ feet Salt water _____ feet _____ feet	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
	Size			Kind of Packer
	16			
	13			
	10	206		Size of _____
	8 1/4			
	6 3/4			Depth set _____
	5 3/16			
	3			Perf. top _____
	2			Perf. bottom _____
	Liners Used _____			Perf. top _____
				Perf. bottom _____

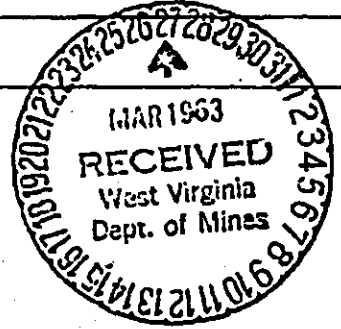
CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____

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JAN 30 2023

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES
_____ FEET _____ INCHES

Drillers' Names Hull-Moody

Remarks: Moses rig



Mar. 19, 1963
DATE

[Signature]
DISTRICT WELL INSPECTOR

02/10/2023

4709100072

11/10/2016

PLUGGING PERMIT CHECKLIST

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 -N/A
- 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 -N/A

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Office of Oil and Gas

JAN 30 2023

WV Department of
Environmental Protection

02/10/2023



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

plugging permits issued 4709100072 4709100083

1 message

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

Tue, Feb 7, 2023 at 11:11 AM


To: MYearsley@shaftdrillers.com, Henry J Harmon <henry.j.harmon@wv.gov>, Samuel D Ward <samuel.d.ward@wv.gov>, ckinsey@wvassessor.com

To whom it may concern, plugging permits have been issued for 4709100072 4709100083.


James Kennedy


WVDEP OOG

4 attachments

 **IR-8 4709100083.pdf**
120K

 **4709100083.pdf**
2099K

 **ir-8 4709100072.pdf**
120K

 **4709100072 .pdf**
1689K