



---

west virginia department of environmental protection

---

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)

Tuesday, February 1, 2022  
WELL WORK PLUGGING PERMIT  
Vertical Plugging

DIVERSIFIED PRODUCTION LLC  
101 MCQUISTON DRIVE  
JACKSON CENTER, PA 16133

Re: Permit approval for 3-659  
47-039-03430-00-00

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: 3-659  
Farm Name: QUINCY COAL CO.  
U.S. WELL NUMBER: 47-039-03430-00-00  
Vertical Plugging  
Date Issued: 2/1/2022

H

4703903430P

## 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.

02/11/2022

1) Date January 17, 2022  
2) Operator's Well No. 3  
3) API Well No. 47-39 - 03430

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

- 4) Well Type: Oil \_\_\_ / Gas X / Liquid injection \_\_\_ / Waste disposal \_\_\_ /  
(If "Gas, Production X or Underground storage \_\_\_) Deep \_\_\_ / Shallow X
- 5) Location: Elevation 1298.73 feet Watershed Carroll Branch  
District Cabin Creek County Kanawha Quadrangle Cedar Grove
- 6) Well Operator Diversified Production, LLC 7) Designated Agent Jeff Mast  
Address 414 Summers Street Address 31 Hickory Drive  
Charleston, WV 25301 Barboursville, WV 25504
- 8) Oil and Gas Inspector to be notified Name Terry Urban  
Address P.O. Box 1207  
Clendenin, WV 25045
- 9) Plugging Contractor Name Diversified Production, LLC (in-house rig)  
Address 1951 Pleasantview Ridge Road  
Ravenswood, WV 26164

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

See Attached

*Operate to cover with cement all Oil & Gas Formations including Casing Cuts, SALT, Elevation, COAL, Freshwater*

RECEIVED  
Office of Oil and Gas

JAN 21 2021

WV Department of  
Environmental Protection

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector



Date

1-21-22

02/11/2022

**Plugging Prognosis**

API #: 4703903430

West Virginia, Kanawha Co.

Lat/Long: 38.215521, -81.494505

Nearest ER: CAMC Memorial Hospital 3200 MacCorkle Ave SE, Charleston, WV 25304

**Casing Schedule:**

8-5/8" @ 658' (no cement record listed)  
 7" @ 2,006' (no cement record listed)  
 3-1/2" @ 2,326' (tbg set on Lynes Inflatable packer)  
 TD @ 2,512'

Completion: Producing Sand – Weir: 2,236'-2,464'

Fresh Water: None listed

Salt Water: 1,280'

Gas Shows: 2,185'; 2,283'-2,313'; 2,394'-2,409'; 2,450'-2,459'

Oil Shows: None listed

Coal: 260'-265'

Elevation: 1,270'

1. Notify Inspector Terry Urban @ 304-549-5915, 48 hrs prior to commencing operations.
2. Check and record pressures on csg/tbg.
3. Attempt to pull 3-1/2" tbg and lay down. If tbg won't pull free, plug per below procedure up to packer and then free point and cut 3-1/2" tbg.
4. Check TD w/ wireline.
5. Run in to depth @ 2,459'. Kill well as needed with 6% bentonite gel and fill rat hole. Pump at least 10 bbls gel. Pump 503' C1A cement plug from **2,459' to 1,956' (Gas shows, Weir Completion and 7" shoe)** Tag TOC. Top off as needed.
6. TOOH w/ tbg to 1,956'. Pump 6% bentonite gel from 1,956' to 1,330'.
7. TOOH w/ tbg to 1,330'. Pump 160' C1A cement plug from **1,330' to 1,170' (elevation and saltwater plug)**
8. TOOH w/ tbg to 1,170'. Pump 6% bentonite gel from 1,170' to 708'.
9. Free point 7" csg. Cut and TOOH. Set 100' C1A cement plug across csg cut. 50' in/out of cut. **Do not omit any plugs listed below. Perforate as needed.**
10. TOOH w/ tbg to 708'. Pump 100' C1A cement plug from **708' to 608' (8-5/8" csg shoe)**
11. TOOH w/ tbg to 608'. Pump 6% bentonite gel from 608' to 315'.
12. TOOH w/ tbg to 315'. Pump 315' C1A cement plug from **315' to surface (coal show and surface plug).**
13. Reclaim location and well road to WV DEP specifications and erect P&A well monument.

RECEIVED  
Office of Oil and Gas

JAN 21 2021

WV Department of  
Environmental Protection

*Operate to Case with Cement All Oil/Gas Formations including  
Casing Cuts, Salt, Elevation, Coals, Fresh water*

*[Signature]*

1-21-22

02/11/2022



RECEIVED  
JAN 19 1974

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Montgomery  
Permit No. Kan-22-Frac. -3430

Rotary \_\_\_\_\_ Oil \_\_\_\_\_  
Cable X Gas X  
Recycling \_\_\_\_\_ Comb. \_\_\_\_\_  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ (Kind) \_\_\_\_\_

Company Cabot Corporation 144  
Address Box 1473, Charleston, W. Va. 25325  
Farm Quincy Acres 1162  
Location (waters) Carroll Branch  
Well No. 3 SN-659 Elev. 1270  
District Cabin Creek County Kanawha  
The surface of tract is owned in fee by Quincy Coal Company  
Address Quincy, W. Va.  
Mineral rights are owned by Same  
Address \_\_\_\_\_  
Drilling Commenced \_\_\_\_\_  
Drilling Completed July 1927  
Initial open flow 232 M cu. ft. \_\_\_\_\_ bbls.  
Final production \_\_\_\_\_ cu. ft. per day \_\_\_\_\_ bbls.  
Well open \_\_\_\_\_ hrs. before test \_\_\_\_\_ RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"			
9 5/8			
8 5/8		658'	
7		2006'	
5 1/2			
4 1/2			
3		2326'	
2			
Liners Used			

Well treatment details: Attach copy of cementing record.  
Well fractured 10/7/74, with 549 Bbl. of water and 30,000 lbs. of 20-40 sand, down 3 1/2" tubing under Lynes inflatable packer.  
Open flow after treatment 50 Mcfd, RP 210# in 24 hrs.

Coal was encountered at 260' - 265' Feet \_\_\_\_\_ Inches \_\_\_\_\_  
Fresh water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water 1280' Feet \_\_\_\_\_  
Producing Sand Weir Depth 2236' - 2464'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Surface			0	14		
Sand			14	175		
Slate			175	260		
Coal			260	265		
Slate			265	275		
Sand			275	350		
Slate			350	450		
Sand			450	650		
Slate			650	670		
Sand			670	800		
Slate & Shell			800	900		
Sand			900	1050		
Lime			1050	1180		
Salt Sand			1180	1280		
Slate			1280	1310		
Salt Sand			1310	1525		
Red Rock			1525	1528		
Slate			1528	1620		
Sand			1620	1795		
Red Rock			1795	1805		
Slate			1805	1860		
Lime			1860	1880		
Slate			1880	1900		

- Salt

RECEIVED  
Office of Oil and Gas  
JAN 21 2021  
WV Department of  
Environmental Protection

\* Indicates Electric Log tops in the remarks section.

(over)

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Lime			1900	1950		
Little Lime			1950	1970		
Pencil Cave			1970	1975		
Lime			1975	1980		
Pencil Cave			1980	1990		
Big Lime			1990	2183		
Keener Sand			2183	2189	First Gas - 2185	
Injun Sand			2189	2230		
Slate Break			2230	2234		
Lime Shell			2234	2236		
Weir Sand			2236	2464	First Gas-2283 to 2313	
Slate Break			2464	2485		
Total Depth			2485	2512	2nd Gas-2394 to 2409 3rd Gas-2450 to 2459	

RECEIVED  
Office of Oil and Gas  
JAN 21 2021  
WV Department of  
Environmental Protection

Date November 15, 19 74

APPROVED CABOT CORPORATION, Owner

02/11/2022

WW-4A  
Revised 6-07

1) Date: December 17, 2022

2) Operator's Well Number: 3

3) API Well No.: 47 - 039 - 03430

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

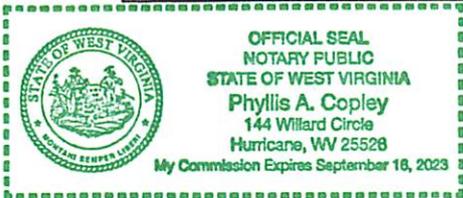
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Ranger Scientific LLC</u>	Name <u>None</u>
Address <u>550 Fifth Avenue</u>	Address _____
<u>Montgomery, WV 25136</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Quincy Coal Company - Attention: Scott Stansfield</u>
_____	Address <u>170 Summers Street, Suite 300</u>
_____	<u>Charleston, WV 25301</u>
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Terry Urban</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 1207</u>	Name <u>No Declaration</u>
<u>Clendenin, WV 25045</u>	Address _____
Telephone <u>304-549-5915</u>	_____

**TO THE PERSONS NAMED ABOVE:** You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

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

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.



Well Operator Diversified Production, LLC  
 By: [Signature] Jeff Mast  
 Its: Director Production  
 Address 414 Summers Strret  
Charleston, WV 25301  
 Telephone 304-543-6988

RECEIVED  
Office of Oil and Gas

JAN 21 2021

WV Department of  
Environmental Protection

Subscribed and sworn before me this 18th day of January 2022  
Phyllis A. Copley Notary Public  
 My Commission Expires September 16, 2023

Oil and Gas Privacy Notice

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

02/11/2022

Well 3  
47-039-03430 P

7020 2450 0001 5225 2911

**U.S. Postal Service™**  
**CERTIFIED MAIL® RECEIPT**  
*Domestic Mail Only*

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.

Montgomery, WV 25136

**OFFICIAL USE**

Certified Mail Fee	\$3.75
Extra Services & Fees (check box, add fee as appropriate)	\$7.05
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<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	\$2.16
Total Postage	\$2.16

Postmark Here

01/18/2022

**Quincy 3, Quincy 7, Quincy 5**

Sent To: Ranger Scientific LLC  
Street and Apt: 550 Fifth Avenue  
City, State, Zip: Montgomery, WV 25136

PS Form 3800

RECEIVED  
Office of Oil and Gas

JAN 20 2022

WV Department of  
Environmental Protection

02/11/2022

Well 3  
47-039-03430 P

7020 2450 0001 5225 2904

**U.S. Postal Service™  
CERTIFIED MAIL® RECEIPT**  
Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com).

Charleston, WV 25301

**OFFICIAL USE**

Certified Mail Fee	\$3.75	0523
Extra Services & Fees (check box, add fee if appropriate)	\$3.00	11
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00	
<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	\$2.16	
Total F	\$8.91	

Postmark Here

2022

01/18/2022

Quincy 3, Quincy 7, Quincy 5

Quincy Coal Company  
Attn: Scott Stansfield  
170 Summers Street, Suite 300  
Charleston, WV 25301

PS Fo... Instructions

RECEIVED  
Office of Oil and Gas

JAN 20 2022

WV Department of  
Environmental Protection

02/11/2022

WW-9  
(5/16)

API Number 47 - 039 - 03430  
Operator's Well No. 3

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) Carroll Branch Quadrangle Cedar Grove

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes  No

Will a pit be used? Yes  No

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

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

Proposed Disposal Method For Treated Pit Wastes:

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

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 [Signature]

Company Official (Typed Name) Jeff Mast

Company Official Title Director Production



RECEIVED  
Office of Oil and Gas

Subscribed and sworn before me this 18th day of January, 2022

Phyllis A. Copley Notary Public

JAN 21 2021

WV Department of Environmental Protection

My commission expires September 16, 2023

02/11/2022

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

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer type \_\_\_\_\_ 10-20-20 or equivalent

Fertilizer amount \_\_\_\_\_ lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

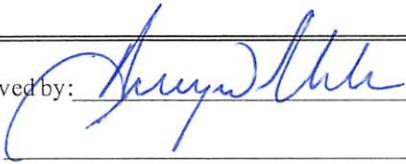
Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Red Fescue	40	Red Fescue	15
Alsike	5	Alsike Clover	5
Annual Rye	15		

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by:



Comments:

Title:



Date:

1-21-22

Field Reviewed?

Yes

No

RECEIVED  
Office of Oil and Gas

JAN 21 2021

WV Department of  
Environmental Protection



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

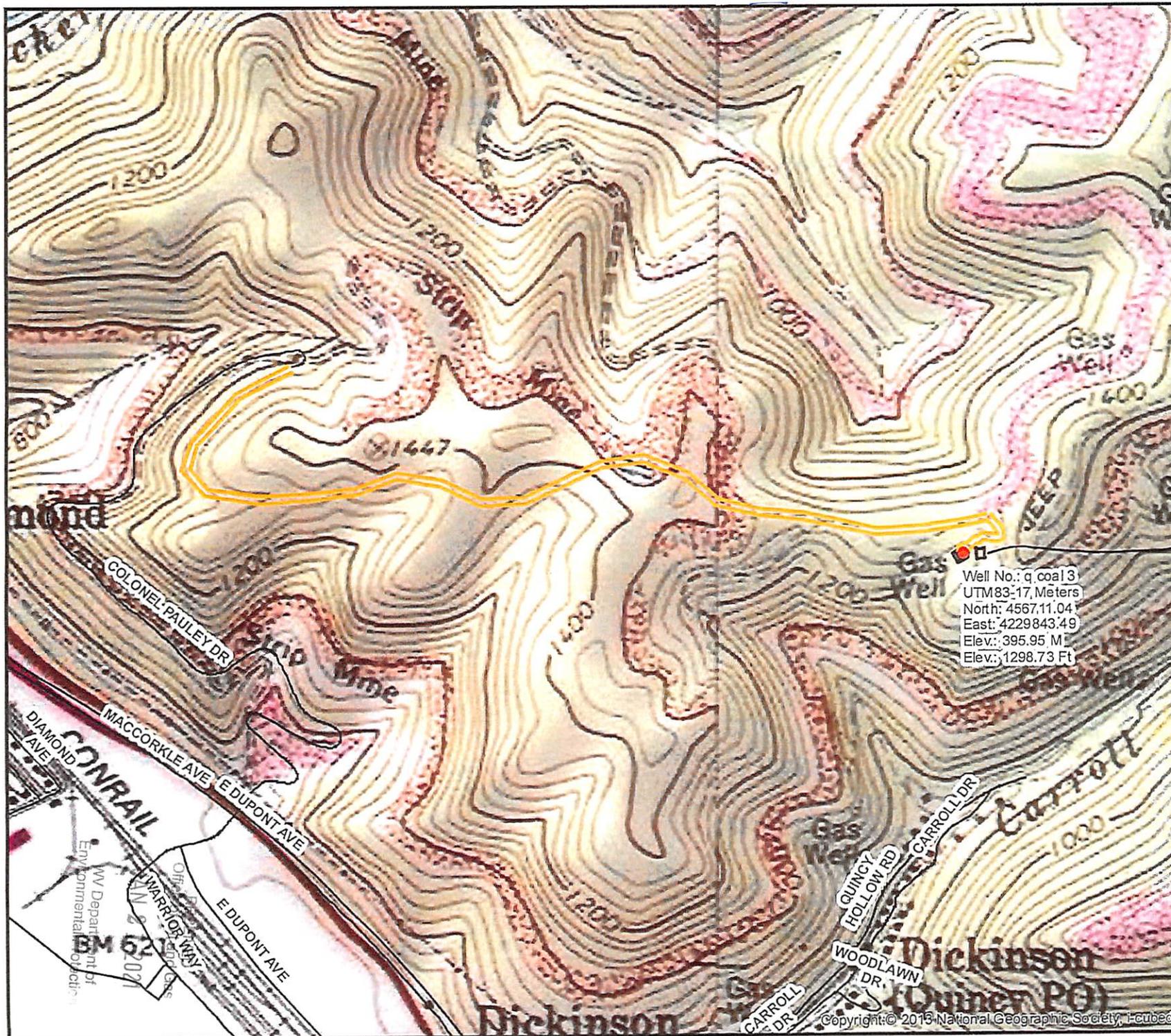
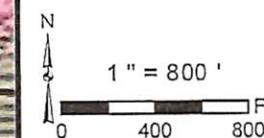
47-039-03430

Plugging Map

### Legend

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

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



Well No.: q coal 3  
UTM83: 17, Meters  
North: 4567,11,04  
East: 4229843,49  
Elev.: 395.95 M  
Elev.: 1298.73 Ft

4703903430P

WW-7  
8-30-06



West Virginia Department of Environmental Protection  
Office of Oil and Gas

**WELL LOCATION FORM: GPS**

API: 4703903430 WELL NO.: 3

FARM NAME: Quincy Coal Co.

RESPONSIBLE PARTY NAME: Diversified Production LLC

COUNTY: Kanawha DISTRICT: Cabin Creek

QUADRANGLE: Cedar Grove

SURFACE OWNER: Ranger Scientific LLC

ROYALTY OWNER: DP Bluegrass LLC

UTM GPS NORTHING: 4229843.49

UTM GPS EASTING: 456711.04 GPS ELEVATION: 1298.73

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

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

Survey grade GPS  : Post Processed Differential

Real-Time Differential

Mapping Grade GPS  : Post Processed Differential

Real-Time Differential

4. Letter size copy of the topography map showing the well location.

I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

RECEIVED  
Office of Oil and Gas

JAN 21 2021

WV Department of  
Environmental Protection

  
Signature

Digitally signed by Austin Suttler  
Date: 2022.01.14 15:47:56  
-05'00'

Sr. Proj. Engineer  
Title

1/14/2022  
Date

02/11/2022



Stansberry, Wade A &lt;wade.a.stansberry@wv.gov&gt;

**Plugging Vertical Well Work Permit API: 47-039-02488, 02522, 02541, 02929, 03430, 03431)**

1 message

**Stansberry, Wade A** <wade.a.stansberry@wv.gov>

Wed, Feb 2, 2022 at 7:23 AM

To: "Mast, Jeff" &lt;jmast@dgoc.com&gt;, Sallie Robinson &lt;sallierobinson@kanawha.us&gt;, "Urban, Terry W" &lt;terry.w.urban@wv.gov&gt;

Terry,

I will be in the office tomorrow and have hard copies ready for you along with release sheets.

I have attached a copy of the newly issued well [permit](#) number. This will serve as your copy.

47-039-02488 -  
47-039-02522 -  
47-039-02541 -  
47-039-02929 -  
47-039-03430 -  
47-039-03431 -

If you have any questions, then [please](#) contact us here at the Office of Oil and Gas.

Thank you,

**Wade A. Stansberry**  
Environmental Resource Specialist 3  
West Virginia Department of Environmental Protection  
Office of Oil & Gas  
601 57th St. SE  
Charleston, WV 25304  
(304) 926-0499 ext. 41115  
(304) 926-0452 fax  
[Wade.A.Stansberry@wv.gov](mailto:Wade.A.Stansberry@wv.gov)

**7 attachments**

-  **47-039-02488 - Copy.pdf**  
2727K
-  **47-039-02929 - Copy.pdf**  
2838K
-  **47-039-03430 - Copy.pdf**  
3045K
-  **47-039-02541 - Copy.pdf**  
3302K
-  **47-039-02522 - Copy.pdf**  
3798K
-  **47-039-03431 - Copy.pdf**  
3393K
-  **IR-8 Blank.pdf**  
212K

**02/11/2022**