



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 1, 2022
WELL WORK PLUGGING PERMIT
Vertical Plugging

DIVERSIFIED PRODUCTION LLC
101 MCQUISTON DRIVE
JACKSON CENTER, PA 16133

Re: Permit approval for (661)5
47-039-02929-00-00

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: (661)5
Farm Name: QUINCY COAL COMPANY
U.S. WELL NUMBER: 47-039-02929-00-00
Vertical Plugging
Date Issued: 2/1/2022

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.

1) Date January 18, 2022
2) Operator's
Well No. 5
3) API Well No. 47 ⁰³⁹ 02929

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 1345.61feet 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 9) Plugging Contractor
Name Terry Urban Name Diversified Production, LLC (in-house rig)
Address P.O. Box 1207 Address 1951 Pleasantview Ridge Road
Clendenin, WV 25045 Ravenswood, WV 26164

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

See Attached

*Operator will cover with Cement All Oil Gas pays,
including Casing cuts, Salts, Elevation, Coals, Freshwater*

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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 *Amy White* Date *1-21-22*

02/11/2022

Plugging Prognosis

API #: 4703902929

West Virginia, Kanawha Co.

Lat/Long: 38.221876, -81.488945

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

Casing Schedule:

12-1/2" Conductor depth not listed

10" @ 238' (no cement record listed)

8-1/4" @ 1,768' (no cement record listed)

6-5/8" @ 2,035' (no cement record listed)

TD @ 2,455'

Completion: 2,312-2,330'; 2,435'-2,455'

Fresh Water: None listed

Salt Water: None listed

Gas Shows: 2,100'; 2,314-2,322; 2,330'-2,354'; 2,385'-2,443'

Oil Shows: None listed

Coal: 15'-19'; 250'-253'

Elevation: 1,330'

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- Trey Ueber 549-5915*
1. Notify Inspector ~~Gary Kennedy~~ @ 304-~~382-8402~~, 48 hrs prior to commencing operations.
 2. Check and record pressures on csg/tbg.
 3. Check TD w/ wireline.
 4. Run in to depth @ 2,455'. Kill well as needed with 6% bentonite gel. Pump at least 10 bbls gel. Pump 470' C1A cement plug from **2,455' to 1,985' (Gas shows, Completions and 6-5/8 shoe)** Tag TOC. Top off as needed.
 5. TOOH w/ tbg to 1,985'. Pump 6% bentonite gel from 1,985' to 1,818'.
 6. Free point 6-5/8" 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.
 7. TOOH w/ tbg to 1,818'. Pump 100' C1A cement plug from **1,818' to 1,718' (8-1/4" csg shoe)**
 8. TOOH w/ tbg to 1,718'. Pump 6% bentonite gel from 1,718' to 1,330'.
 9. Free point 8-1/4" 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 1,330'. Pump 100' C1A cement plug from **1,330' to 1,230' (elevation plug)**
 11. TOOH w/ tbg to 1,230'. Pump 6% bentonite gel from 1,230' to 303'.
 12. TOOH w/ tbg to 303'. Pump 300' C1A cement plug from **303' to surface (coal show, 10" csg and surface plug)**
 13. Reclaim location and well road to WV DEP specifications and erect P&A well monument.

*Operator to core with Cement All Oil/Gas pay including
Casing cuts, Salt, Elevation, Coal & Freshwater*

*Doug White
1-21-22*

02/11/2022

039-664 S-661 4703902929P
 Kan.
 039-2929

RECORD
QUINCY # 5 Well

29-41

On Dickinson Farm, Kanawha County, West Va.
 Well drilled by C. H. Means
 Drillers-R.E.Hodges, O. W. Lunchferd.
 Tool Dressers-G.B. Allen, W.H. Means
 Drilling commenced-De.c 1, 1927---Completed-Feb. 11, 1928.

Formation	Top	Bottom	Remarks
Surface		8	
Slate	8	15	
Coal	15	19	
Sand	19	42	
Slate	42	230	
Sand	230	241	
Slate	241	250	
Coal	250	253	
Slate	253	504	
Sand	504	564	
Slate	564	642	
Slate Lime Shell	642	790	
Sandy lime	790	965	
Slate	965	974	
Sand	974	1060	
Slate	1060	1072	
Sand	1072	1298	
Slate	1298	1346	
Salt Sand	1346	1570	
Slate Shells	1570	1610	
Salt Sand	1610	1748	
Slate	1748	1764	
Sand	1764	1831	
Red Rock	1831	1842	
Lime Shell	1842	1848	
Slate Shells	1848	1872	
Red Rock	1872	1878	
Slate Shells	1878	1947	
Little lime	1947	1976	
Slate Shells	1976	2018	
Big Lime	2018	2204	First show of gas 2100
Big Injum	2204	2244	
Lime	2244	2299	
Woir Sand	2299	2478	Gas 2314-2322-Gas 2330-2354
Slate	2478	2503	Gas 2385-last pay 144 from top of sand
			Set bridge 2455 top of bridge
Total depth		2502	

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2018
 1330
 -688

2204
 1330
 -574

2204
 1330
 -574

2204
 1330
 -574

Shot Record

30 Qts.-Bottom shot Bottom of first shot- 2455 105 ft. loaded anchor
 30 Qts.-top shot Top " " 2435 between shots.
 11 Qts. anchor. Bottom of second shot-2330 15/10 H-2-0 2" before
 Top of second shot- 2312 80/10 H-2-0 2" after shot

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Casing record

10" 242 ft.-238 ft used and 233 ft. left in well
 8-1/4" 1768
 6-5/8" 2035 2035 (Steel line measure)

12 1/2" conductor

WV Department of
 Environmental Protection

WW-4A
Revised 6-07

1) Date: December 18, 2022

2) Operator's Well Number
5

3) API Well No.: 47 - 039 - 02929

**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: <u>Diversified Production, LLC</u>	RECEIVED
By: <u>[Signature]</u> Jeff Mast	Office of Oil and Gas
Its: <u>Director Production</u>	<u>JAN 21 2021</u>
Address <u>414 Summers Street</u>	
<u>Charleston, WV 25301</u>	
Telephone <u>304-543-6988</u>	WV Department of Environmental Protection

Subscribed and sworn before me this 18th day of January
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 denprivacyofficer@wv.gov.

Well 5
 47-039-02929 P

7020 2450 0001 5225 2911J

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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	\$8.06

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

PS Form 3800



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 WV Department of
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02/11/2022

Well 5
47-039-02929P

7020 2450 0001 5225 2904

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Charleston WV 25301

OFFICIAL USE

Certified Mail Fee	\$3.75	0523
Extra Services & Fees (check box, add fee if appropriate)		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 \$5.91

Quincy 3, Quincy 7, Quincy 5

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

Postmark Here

2022

1/11/2022

PS Form 3800, June 2019

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02/11/2022

4703902929P

WW-9
(5/16)

API Number 47 - 039 - 02929
Operator's Well No. 5

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 *JA*

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.

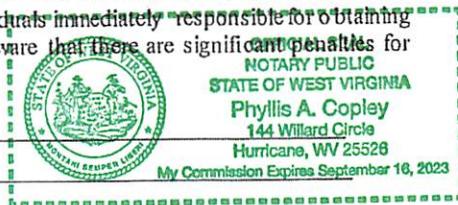
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations 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 *JA*

Company Official (Typed Name) Jeff Mast

Company Official Title Director Production



Subscribed and sworn before me this 15th day of January, 2022

Phyllis A. Copley

Notary Public

My commission expires September 16, 2023

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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: _____

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JAN 21 2021

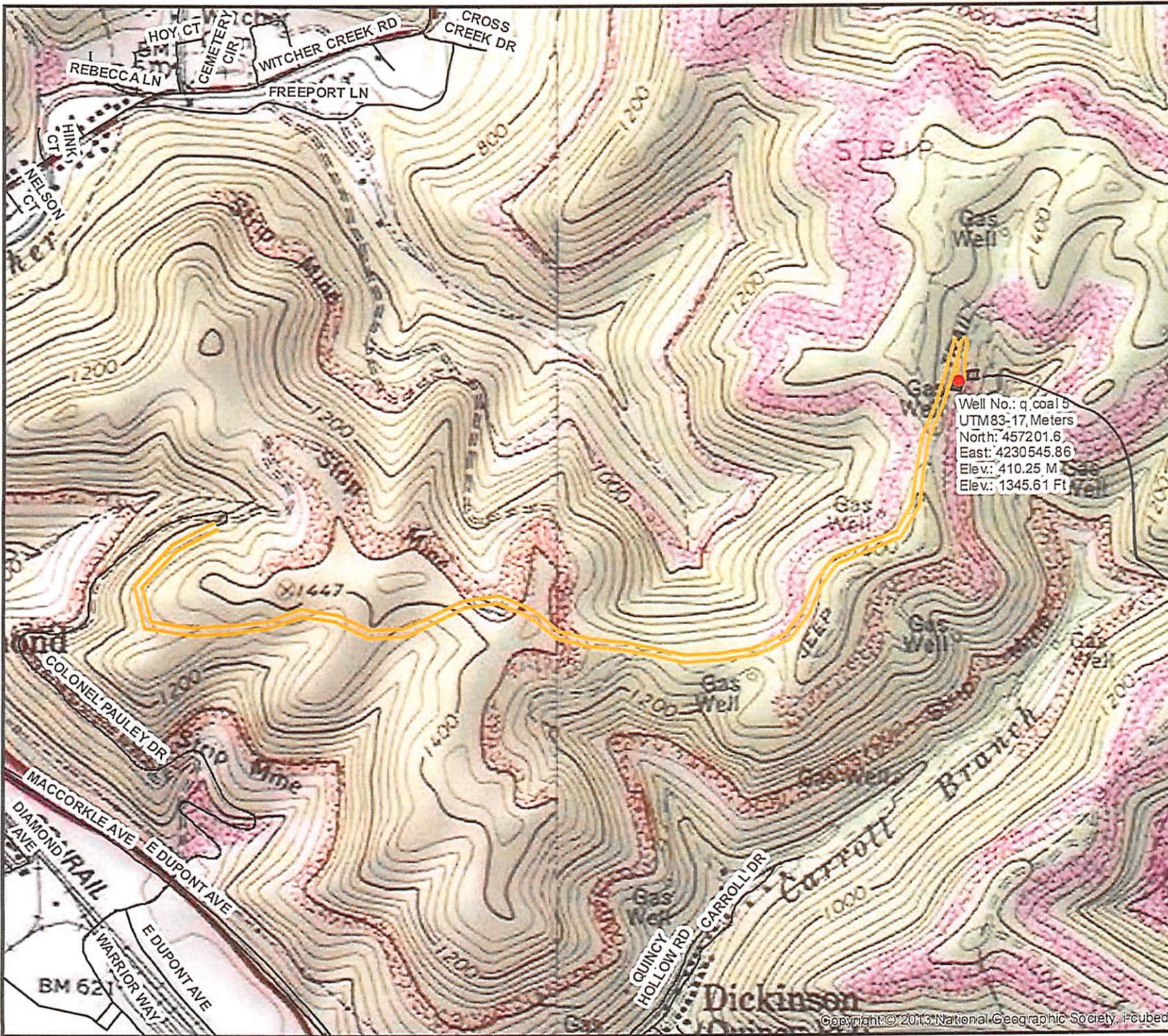
WV Department of
Environmental Protection

Title: Inspection of Oil & Gas

Date: 1-21-21

Field Reviewed? Yes No

4703902929F



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

47-039-02929

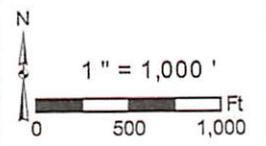
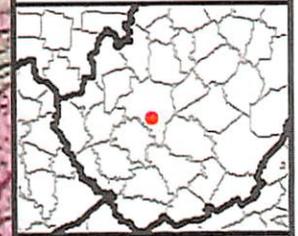
Plugging Map

Legend

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

Well No.: q coal 5
 UTM83-17, Meters
 North: 457201.6
 East: 4230545.86
 Elev.: 410.25 M
 Elev.: 1345.61 Ft

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



WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 4703902929 WELL NO.: 5

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: Diversified Production LLC

UTM GPS NORTHING: 4230545.86

UTM GPS EASTING: 457201.6 GPS ELEVATION: 1345.61

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

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

Survey grade GPS : Post Processed Differential

Real-Time Differential

Mapping Grade GPS : Post Processed Differential

Real-Time Differential

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

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

Austin Suttler Sr. Proj. Manager 1/14/2022
Signature Title Date

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

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" <jmast@dgoc.com>, Sallie Robinson <sallierobinson@kanawha.us>, "Urban, Terry W" <terry.w.urban@wv.gov>

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

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

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