



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, March 8, 2022
WELL WORK PLUGGING PERMIT
Coal Bed Methane Well Plugging

DIVERSIFIED PRODUCTION LLC
101 MCQUISTON DRIVE
JACKSON CENTER, PA 16133

Re: Permit approval for RLHC-317A
47-081-01493-00-00

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.

A blue ink signature of James A. Martin.

James A. Martin
Chief

Operator's Well Number: RLHC-317A
Farm Name: CLEAR FORK COAL COMPANY
U.S. WELL NUMBER: 47-081-01493-00-00
Coal Bed Methane Well Plugging
Date Issued: 3/8/2022

I

47-081-01493 P

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.

03/11/2022

1) Date February 1, 2022
2) Operator's Well No. 317A
3) API Well No. 47-001 - 01493

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

Coal Bed Methane Well

4) Well Type: Oil ___ / Gas X / Liquid injection ___ / Waste disposal ___ /
(If "Gas, Production X or Underground storage ___) Deep ___ / Shallow X

5) Location: Elevation 2371.45 feet Watershed Wingrove Branch of Sandlick Creek
District Clear Fork County Raleigh Quadrangle Eccles

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 Gary Kennedy Name R & J Well Services
Address 66 Old Church Lane Address P.O. Box 40
Pipestem, WV 25979 Hueysville, KY 41640-0040

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

See Attached

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

Work order approved by inspector *Gary Kennedy* Date 2/4/2022

03/11/2022

Plugging Prognosis

API #: 4708101493

West Virginia, Raleigh Co.

Lat/Long: 37.855473, -81.361468

Nearest ER: Raleigh General Emergency Room - 1710 Harper Rd, Beckley, WV 25801

Casing Schedule:

13-3/8" @ 39' (No cement data listed)

9-5/8" @ 120' (Cemented to surface with 90 sx)

7" @ 1202' (cemented to surface with 129 sx) - TOC MAY BE @ 200'

TD listed as 1210'

Estimated kickoff @ 1233'

Estimated TVD @ 1448'-1451'

Estimated total lateral footage from plat 23,000' (125% capacity will be pumped on 81-01494)

Completion - Pilot Well for CBM production, projected depth of coal seam 1448'-1451'. Unknown if well has bridge plug in it.

Fresh Water: None listed

Salt Water: None listed

Gas Shows: None listed

Oil Shows: None listed

Coal: 11'; 239'; 294'; 411'; 541'; 1448'

Elevation: 2395'

1. Notify Inspector Gary Kennedy @ 304-382-8402, 48 hrs prior to commencing operations.

2. Record pressure on csg. 1200'

3. TIH w/ tbg to 1252' Kill well as needed with 6% bentonite gel and fill rat hole with gel. Pump at least 10 bbls gel. Pump 100' C1A cement plug from 1252' to 1152' (7" csg show plug). Tag TOC

SEE CIBP IN 7" CASING @ 1190'

4. ~~TOOH w/ tbg to 541'. Pump 541' C1A cement plug from 541' to surface (coal seams and surface plug). Break plug up as needed.~~

5. ~~Reclaim site and set monument per WV DEP regulations.~~

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4. TIH w/ TUBING @ SET 100' C1A CEMENT PLUG,
ON TOP OF CIBP.

5. FREEPOINT, CUT & PULL 7" CASING,
TOC MAY BE AT 200'. IF SO,

SET C1A PLUG FROM 100' BELOW THE CASING CUT
TO SURFACE (≈300').

6. RECLAIM SITE AND SET MONUMENT PER WV DEP REGULATIONS

7. NOTE THAT THE UNLASCED ^{4 3/4"} WELL BORE FROM CURVE
TO LATERAL WILL BE FILLED W/ GEL / CEMENT
FROM THE PRODUCTION WELL (47-081-01494), WHEN
PLUGGING IT. ~~CP [REDACTED]~~

03/11/2022

3/7/2022

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

Farm Name Rowland Land Company

Operator Well No.: RLHC-317A

LOCATION Elevation: 2395

Quadrangle: Eccles, WV

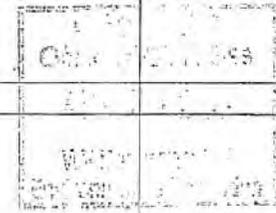
District: Clear Fork County: Raleigh
Latitude: 7150 Feet South of 37 Deg. 52 Min. 30 Sec.
Longitude: 8175 Feet West of 81 Deg. 20 Min. 00 Sec.

Company:

Penn Virginia Oil & Gas Corporation

	Casing and Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: <u>Seven Sheridan Square, Suite 200</u>	<u>13 3/8"</u>	<u>39'</u>	<u>39'</u>	
<u>Kingsport, TN 37860</u>	<u>9 5/8"</u>	<u>120'</u>	<u>120'</u>	<u>90sks/106cf</u>
Agent: <u>Bryant Bowman</u>	<u>7"</u>	<u>1202'</u>	<u>1202'</u>	<u>129sks/153c</u>
Inspector: <u>Bryan Harris</u>				
Date Permit Issued: <u>06/16/2008</u>				
Date Well Work Commenced: <u>08/04/2008</u>				
Date Well Work Completed: <u>08/11/2008</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Depth (feet): <u>1,210'</u>				
Fresh Water Depth (ft): <u>None Reported</u>				
Salt Water Depth (ft): <u>None Reported</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft): <u>11, 239, 294, 411, 541, 1446</u>				

CTS
TUC 2 200'



OPEN FLOW DATA

Producing formation No production from this well Pay zone depth (ft) _____

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d

Final open flow _____ MCF/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests: _____ Hours

Static rock pressure _____ psig (surface pressure) after _____ Hours

Second producing formation _____ Pay zone depth (ft) _____

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d

Final open flow _____ MCF/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests: _____ Hours

Static rock pressure _____ psig (surface pressure) after _____ Hours

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NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANE, TEC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed: _____

By: JAMES R. BURNS

Date: 3/25/2009

03/11/2022

DETAILS OF PERFORATIONS, FRACTURING, OR PHYSICAL CHANGE, ETC.

[Handwritten signature]

<u>FORMATIONS</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>REMARKS</u>
Sand & Shale	0000	0011	
Coal	0011	0017	
Sand & Shale	0017	0144	
Shale	0144	0155	
Sand	0155	0196	
Shale	0196	0211	
Sand	0211	0239	
Coal	0239	0246	
Shale	0246	0248	
Sand	0248	0276	
Shale	0276	0288	
Sandy Shale	0288	0294	
Coal	0294	0296	
Sand	0296	0353	
Sandy Shale	0353	0411	
Coal	0411	0413	
Sandy Shale	0413	0443	
Sand	0443	0485	
Shale	0485	0504	
Sand	0504	0515	
Shale	0515	0525	
Sand	0525	0538	
Shale	0538	0541	
Coal	0541	0543	
Sandy Shale	0543	0605	
Sand	0605	0636	
Sandy Shale	0636	0653	
Sand	0653	0680	
Shale	0680	0690	
Sand	0690	0873	
Sandy Shale	0873	0918	
Sand	0918	1017	
Sandy Shale	1017	1051	
Sand	1051	1111	

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4708101493P

Sandy Shale	1111	1124
Sand	1124	1187
Sandy Shale	1187	1216
Sand	1216	1243
Shale	1243	1256
Sand	1256	1448
Coal	1448	1451

Begin curve for horizontal lateral
at 1233'

Lower Beckley Projected Depth



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RLHC-317 A Proposed Well Work

11) (a): RLHC-317A – Drill a multi-lateral horizontal CBM well. Production will be from the Upper Beckley and Lower Beckley coals via well RLHC-317B.

14) (b) RLHC-317A – Horizontal drilling will take place from the 'A' well and intersect the 'B' well. The surface and bottom-hole locations of the A and B wells are in alignment with each other.

All casing and tubing depths are TVDs. Exact casing depths will be determined by final directional drilling plan.

WW-4A
Revised 6-07

1) Date: February 1, 2022
 2) Operator's Well Number 317A
 3) API Well No.: 47 - 081 - 01493

**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>Clear Fork Coal Company, LLC</u> Address <u>P.O. Box 271</u> <u>Jullan, WV 25529</u></p> <p>(b) Name _____ Address _____</p> <p>(c) Name _____ Address _____</p> <p>6) Inspector <u>Gary Kennedy</u> Address <u>66 Old Church Road</u> <u>Pipestem, WV 25979</u> Telephone <u>304-382-8402</u></p>	<p>5) (a) Coal Operator</p> <p>Name <u>REPUBLIC ENERGY, LLC</u> Address <u>4101 SLATE DRIVE</u> <u>SCARBRO, WV 25917</u></p> <p>(b) Coal Owner(s) with Declaration</p> <p>Name <u>Rowland Land Company, LLC</u> Address <u>405 Capitol Street, Suite 609</u> <u>Charleston, WV 25301</u></p> <p>(c) Coal Lessee with Declaration</p> <p>Name <u>Republic Energy, LLC</u> Address <u>4101 Slate Drive</u> <u>Scarbrow, WV 25917</u></p>
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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
 Title: Director/Technical Services
 Address 414 Summers Street
Charleston, WV 25301
 Telephone 304-543-6986

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 Office of Oil and Gas
 FEB 3 2022
 WV Department of
 Environmental Protection

Subscribed and sworn before me this 2nd day of February, 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.

SURFACE OWNER WAIVER

Operator's Well
Number

317A

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

**NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.
WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:**

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

RECEIVED
Office of Oil and Gas

FEB 16 2022

WV Department of
Environmental Protection

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,

Signature

Date

Name
By
Its

Clear Fork Coal Company
Timothy R. McGrady
Authorized Agent Date 2/15/22

Signature

[Signature] Date 2/15/22
03/11/2022

4708101493P
Well: 317A
47-081-01493

7020 2450 0001 5225 1679

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Julian, WV 25529

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 \$2.36

Total P. \$9.16

Sent To: 317A, 317B, Rowland 12
Clear Fork Coal Company, LLC
Street: P.O. Box 271
City, St: Julian, WV 25529

PS Form 3800, October 2019



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Office of Oil and Gas
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WV Department of
Environmental Protection

03/11/2022

SURFACE OWNER WAIVER

Operator's Well
Number

317A

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

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WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:**

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

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WV Department of
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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,

Signature

Date

Name Clear Fork Coal Company
By Timothy R. McGrady
Its Authorized Agent Date 2/15/22

Signature [Signature] Date 2/15/22
03/11/2022

4708101493P
Well: 317A
47-081-01493

7020 2450 0001 5225 1679

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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	\$2.36
Total Paid	\$13.16

Sent To: **317A, 317B, Rowland 12**
Clear Fork Coal Company, LLC
P.O. Box 271
Julian, WV 25529

Postmark Here: **FEB 02 2022**

PS Form 3800, Instructions

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47081014930

Well: 317A
47-081-01493

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Charleston, WV 25301

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Certified Mail Fee	\$3.75
Extra Services & Fees (check box, add fee if appropriate)	
<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	\$2.36
Total	\$6.11

To: **317A, 1317B, Rowland 12**
 Rowland Land Company, LLC
 405 Capitol Street, Suite 609
 Charleston, WV 25301

Postmark Here
 FEB 02 2022
 0523 04

Instructions

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FEB 3 2022
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03/11/2022

4708101493P

Well: 317A

47-081-01493

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Scarbrough, WV 25917

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Certified Mail Fee	\$3.75
Extra Services & Fees (check box, add fee as appropriate)	
<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	\$2.36
Total Price	\$8.11

Postmark Here: 02/02/2022

Sent To: Republic Energy, LLC
 Street: 4101 Slate Drive
 City, St: Scarbro, WV ~~25919~~ 25917

PS Form 3800, Instructions

WV Department of Environmental Protection
 FEB 3 2022
 WV Department of Environmental Protection

03/11/2022

WW-9
(5/16)

API Number 47 - 081 - 01493
Operator's Well No. 317A

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) Wingrove Branch of Sandlick Creek Quadrangle Eccles

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: Twin Branch - 2D 04701511002)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain _____)

Will closed loop system be used? If so, describe: N/A

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. N/A

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

Additives to be used in drilling medium? N/A

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

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

-Landfill or offsite name/permit number? N/A

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FEB 09 2022

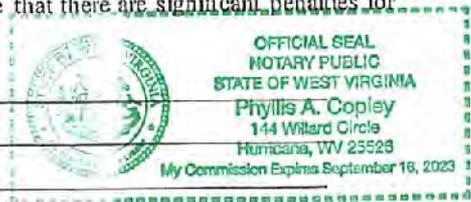
WV Department of
Environmental Protection

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 [Signature]
Company Official (Typed Name) Jeff Mast
Company Official Title Director Technical Services



Subscribed and sworn before me this 2nd day of February, 2022
Phyllis A. Copley Notary Public
My commission expires September 16, 2023

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

Lime 3 Tons/acre or to correct to pH 6.05

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:

Map(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: [Signature]

Comments:

RECEIVED Office of Oil and Gas

FEB 09 2022

WV Department of Environmental Protection

Title: Inspector Date: 2/4/2022

Field Reviewed? () Yes () No



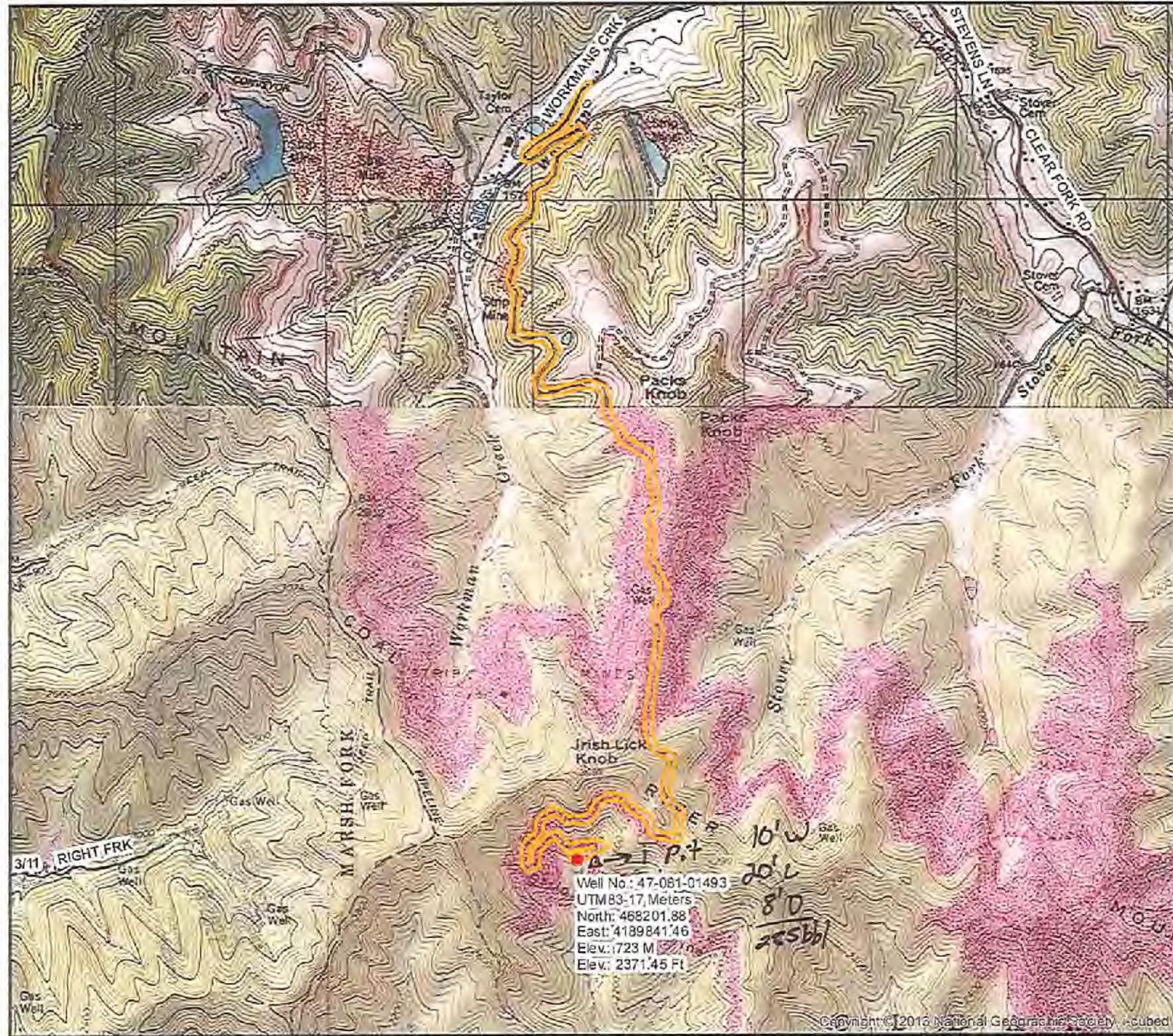
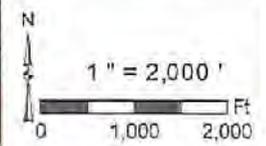
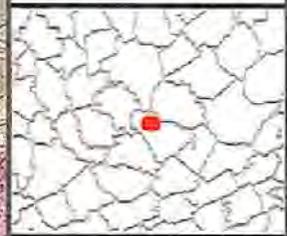
Diversified Gas & Oil Corporation
100 Diversified Way
Pikeville KY, 41051

47-081-01493

Plugging Map

Legend

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



Well No.: 47-081-01493
UTM83-17, Meters
North: 468201.88
East: 4189841.46
Elev.: 723 M
Elev.: 2371.45 Ft

4708101493P

WW-7
8-30-06



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

API: 4708101493 WELL NO.: 317A
 FARM NAME: Rowland Land Co
 RESPONSIBLE PARTY NAME: Diversified Production LLC
 COUNTY: Raleigh DISTRICT: Clear Fork
 QUADRANGLE: Eccles
 SURFACE OWNER: Clear Fork Coal Company
 ROYALTY OWNER: Rowland Land Company LLC
 UTM GPS NORTHING: 4189841.46
 UTM GPS EASTING: 468201.88 GPS ELEVATION: 2371.45

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:

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

Survey grade GPS ____: Post Processed Differential ____

Real-Time Differential ____

Mapping Grade GPS X: Post Processed Differential X

Real-Time Differential ____

- Letter size copy of the topography map showing the well location.**

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


Signature

Digitally signed by Austin Suttler
Date: 2022.01.31 10:35:20
-05'00'

Sr. Proj. Manager
Title

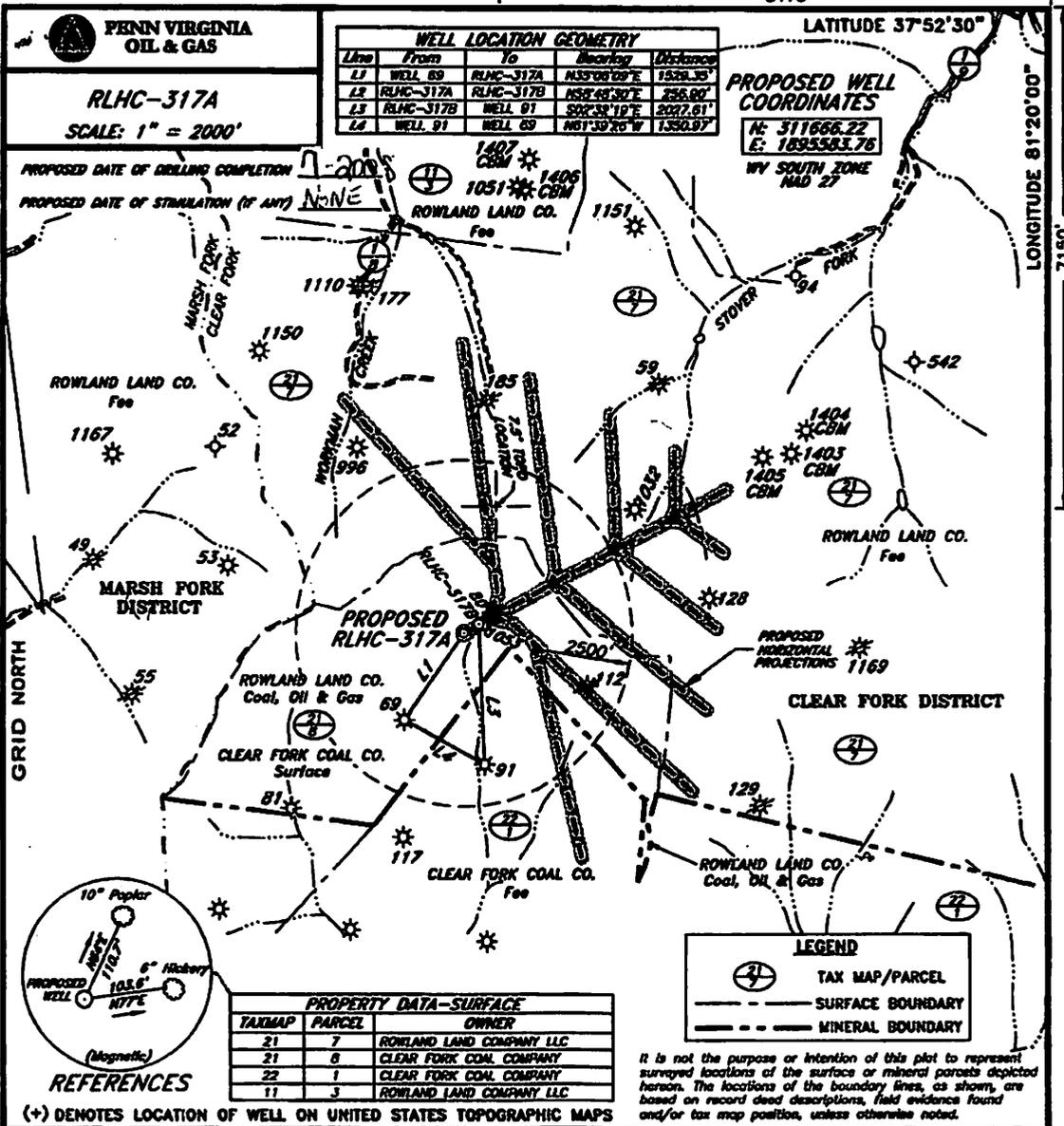
1/31/2022
Date

RECEIVED
Office of Oil and Gas

FEB 09 2022

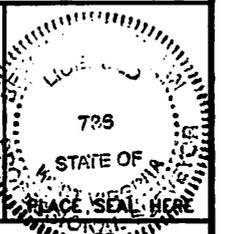
WV Department of
Environmental Protection

03/11/2022



FILE NO. _____
 DRAWING NO. _____
 SCALE 1"=2000'
 MINIMUM DEGREE OF ACCURACY 1:2500
 PROVEN SOURCE OF ELEVATION GPS - NAD 27
 WV SOUTH ZONE

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 THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.
 (SIGNED) Bryant Bowman
 R.P.E. _____ L.L.S. 736



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

DATE APRIL 16
 OPERATOR'S WELL NO. RLHC-317A
 API WELL NO. 47-81-01493C

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 2395 WATERSHED WINGROVE BRANCH OF SANDLICK CREEK
 DISTRICT CLEAR FORK COUNTY RALEIGH
 QUADRANGLE ECCLES, WV

SURFACE OWNER CLEAR FORK COAL COMPANY ACREAGE 483 ±
 OIL & GAS ROYALTY OWNER ROWLAND LAND COMPANY LLC LEASE ACREAGE _____
 LEASE NO. _____

PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION Lower Beckley ESTIMATED DEPTH 1550
 WELL OPERATOR PENN VIRGINIA OIL & GAS CORPORATION DESIGNATED AGENT BRYANT BOWMAN
 ADDRESS SEVEN SHERIDAN SQUARE, SUITE 200 ADDRESS _____ PD BOX 6
 KINGSFORD, TN 37660 ALUM CREEK, WV 25003



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

Plugging Vertical Well Work Permit API: 47-081-01493 & 01494)

1 message

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

Tue, Mar 8, 2022 at 11:18 AM

To: "Mast, Jeff" <jmast@dgoc.com>, raleigh@wvassessor.com, "Kennedy, Gary L" <gary.l.kennedy@wv.gov>

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

47-081-01493 - RLHC-317A

47-081-01494 - RLHC-317B

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

4 attachments

 **47-081-01494 - Copy.pdf**
1327K

 **47-081-01493 - Copy.pdf**
1661K

 **IR-8 Blank.pdf**
228K

 **IR-8 Blank.pdf**
228K

03/11/2022