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west virginia department of environmental protection

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

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

Tuesday, September 21, 2021  
WELL WORK PLUGGING PERMIT  
Vertical Plugging

DIVERSIFIED PRODUCTION LLC  
101 MCQUISTON DRIVE  
JACKSON CENTER, PA 16133

Re: Permit approval for 2  
47-109-01084-00-00

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: 2  
Farm Name: GREEN, NORMA  
U.S. WELL NUMBER: 47-109-01084-00-00  
Vertical Plugging  
Date Issued: 9/21/2021

Promoting a healthy environment.

09/24/2021

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# PERMIT CONDITIONS

4710901084P

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

## CONDITIONS

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1. 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.

09/24/2021

1) Date August 19, 2021  
2) Operator's Well No. 2-S-753  
3) API Well No. 47-109 - 01084

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 1551 ft Watershed Indian Creek  
District Center County Wyoming Quadrangle Pineville

6) Well Operator Diversified Production, LLC 7) Designated Agent Jeff Mast  
Address P.O. Box 6070 Address P.O. Box 6070  
Charleston, WV 25362 Charleston, WV 25362

8) Oil and Gas Inspector to be notified Name Gary Kennedy  
Address 66 Old Church Lane  
Pipestem, WV 25979  
9) Plugging Contractor Name R & J Well Services, Inc.  
Address P.O. Box 40  
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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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 8/24/21

09/24/2021

**PLUGGING PROGNOSIS**

Green 2-S-753

West Virginia, Wyoming County

API# 47-109-01084

Lat/Long: 37.5011405565618, -81.54586721000001

Nearest ER: Welch Community Hospital 454 McDowell St. Welch, WV 24801 304-436-8461

Completed by S.T.

Updated 5/21/2020

**Casing Schedule**

12 3/4" csg @ 11'

9 5/8" csg @ 134' cemented to surface

7" csg @ 782' cemented to surface

4 1/2" csg @ 2736'-not in completion report-cement unknown

TD 2736'

**Completion: Frac**

- Maxon 1806'-1824' 20 holes
- Ravenciff 1146'-1214' 20 holes

**Fresh Water:** 55**Gas Shows:** Ravenciff 1146'-1214', Maxon 1806'-1824'**Coal:** 269', 307', 378', 398'**Elevation:** 1541'

1. Notify Inspector, Gary Kennedy @ 304-382-8402, 48 hours prior to commencing operations.
2. Check and record pressures on csg.
3. Check TD w/ wireline
4. TIH w/ tbg to 1824'. Load well as needed w/ 6% bentonite gel. Pump 118' C1A cement plug from **1824'-1706' (Maxon gas show)**.
5. TOOH w/ tbg to 1706'. Pump 6% bentonite gel **1706'-1541'**.
6. TOOH w/ tbg to 1541'. Pump 100' C1A cement plug from **1541'-1441' (Elevation)**.
7. TOOH w/ tbg to 1441'. Pump 6% bentonite gel **1441'-1214'**.
8. TOOH w/ tbg to 1214'. Pump 168' C1A cement plug from **1214'-1046' (Ravenciff gas show)**.
9. TOOH w/ tbg to 1046'. Pump 6% bentonite gel **1046'-832'**
10. Free Point 4.5" csg. Cut and Pull. Set 100' C1A cement plug across csg Cut. 50' in/out of cut. Do not omit any plugs listed below. Perforate as needed.
11. TIH w/ tbg to 832'. Pump 100' C1A cement plug from **832'-732' (7" csg seat)**.
12. TOOH w/ tbg to 732'. Pump 6% bentonite gel from **732'-448'**.
13. TOOH w/ tbg to 448'. Pump 229' C1A cement plug form **448'-219' (Coal)**.
14. TOOH w/ tbg to 219'. Pump 6% bentonite gel from **219'-105'**.
15. TOOH w/ tbg to 105'. Pump 105' C1A cement plug from **105'-0' (Water and surface)**. TOOH LD tbg.
16. Erect monument with API#, date plugged, and company name.
17. Reclaim location and road to WV-DEP specifications.



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State of West Virginia  
DEPARTMENT OF ENERGY  
Division of Oil and Gas

API # 47-109-01084

4710901084P

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY  
Well Operator's Report of Well Work

Farm name: GREEN, NORMA

Operator Well No.: GREEN 2-S-753

LOCATION: Elevation: 1541.00 Quadrangle: PINEVILLE

District: CENTER County: WYOMING  
Latitude: 14840 Feet South of 37 Deg. 32Min. 30 Sec.  
Longitude 1320 Feet West of 81 Deg. 32 Min. 30 Sec.

Company: SCOTT OIL CO.  
P. O. BOX 8  
GREENWOOD, VA 22943-0000

Agent: JOHN T. HASKINS

Inspector: RODNEY G. DILLON  
Permit Issued: 03/29/89  
Well work Commenced: 5/18/89  
Well work Completed: 5/25/89  
Verbal Plugging  
Permission granted on: \_\_\_\_\_  
Rotary x Cable \_\_\_\_\_ Rig  
Total Depth (feet) 2736  
Fresh water depths (ft) 55

Salt water depths (ft) \_\_\_\_\_

Is coal being mined in area (Y/N)? n  
Coal Depths (ft): 307,378,398

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size			
12 3/4		11'	
9 5/8		134	to surface
7"		782	135 sks

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OPEN FLOW DATA

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

Producing formation Maxton, Ravencliff Pay zone depth (ft) \_\_\_\_\_  
Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow 235 MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock Pressure 375 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

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

For: John T. Haskins  
SCOTT OIL CO.  
By: John T. Haskins  
Date: 6/14/89

WVOM 1084

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09/24/2021

Well: 2-5-753

47-109-01084 P

Maxton	1806-1824	20 holes	500,000 cu.ft nitrogen	35,000# sand
Ravenclyff	1214-1146	20 holes	300,000 cu.ft nitrogen	25,000# sand

Sandstone & shale	0	269
Coal	269	270
Sandy shale	270	378
Coal	378	380
Sandy Shale	380	398
Coal	398	401
Sandstone	401	1190
Sand	1190	1250
Sand & Shale	1250	1768
Sand	1768	1932
Sand & Shale	1932	2350
Sand	2350	2405
Sand & Shale	2405	2510
Sand	2510	2525
Sand & Shale	2525	2736 TD

*Handwritten signature*

Gamma Ray Tops

Big Lime	2510
Little Lime	2350
Maxton	1768
Ravenclyff	1190

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WW-4A  
Revised 6-07

1) Date: August 19, 2021

2) Operator's Well Number 2-S-753

3) API Well No.: 47 - 109 - 01084

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

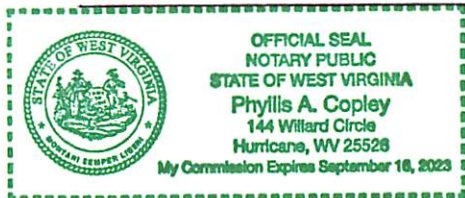
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Kathryn Elizabeth Chick</u>	Name <u>None</u>
Address <u>2251 Eisenhower Avenue, Apt 1618</u> <u>Alexandria, VA 22314</u>	Address _____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Kathryn Elizabeth Chick</u>
(c) Name _____	Address <u>2251 Eisenhower Avenue, Apt 1618</u> <u>Alexandria, VA 22314</u>
Address _____	Name _____
6) Inspector <u>Gary Kennedy</u>	(c) Coal Lessee with Declaration
Address <u>66 Old Church Lane</u>	Name <u>No Declaration</u>
<u>Pipestem, WV 25979</u>	Address _____
Telephone <u>304-382-8402</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 P.O. Box 6070  
Charleston, WV 25362  
 Telephone 304-543-6988

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Subscribed and sworn before me this 20<sup>th</sup> day of August, 2021  
Phyllis A. Copley Notary Public  
 My Commission Expires September 16, 2023

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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 [deprivacyofficer@wv.gov](mailto:deprivacyofficer@wv.gov).

09/24/2021

Well: 2-5-753  
47-109-01084P

7019 1640 0000 1003 2998

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only	
For delivery information, visit our website at <a href="http://www.usps.com">www.usps.com</a> ®.	
Alexandria, VA 22314	
Certified Mail Fee	\$3.60
Extra Services & Fees (check box, add fee if appropriate)	\$2.85
<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	\$1.40
Total Fee	\$7.85
0523 03 Postmark Here 08/20/2021	
Well: 2-5-753	
Kathryn E. Chick (surface and coal)	
2251 Eisenhower Avenue, Apt 1618	
Alexandria, VA 22314	
PS Form 3800, June 2010	Instructions

09/24/2021



WW-9  
(5/16)

API Number 47 - 109 - 01084  
Operator's Well No. 2-S-753

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) Indian Creek Quadrangle Pineville

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? \_\_\_\_\_

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection ( UIC Permit Number 2D04701511002 Mod )
- 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

Subscribed and sworn before me this 20th day of August, 2021

Phyllis A. Copley Notary Public

My commission expires September 16, 2023

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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: [Signature]

Comments:

Title: Inspector

Date: 8/24/21

Field Reviewed? ( ) Yes ( ) No

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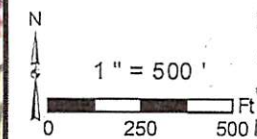
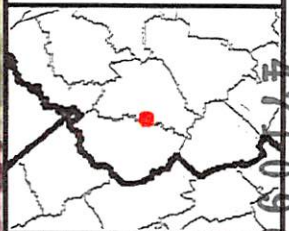


Diversified Gas & Oil Corporation  
 100 Diversified Way  
 Pikeville KY, 41051

47-109-01084  
 Plugging Map

**Legend**

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



47-109-01084P

WW-7  
8-30-06



West Virginia Department of Environmental Protection  
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-109-01084 WELL NO.: 2  
 FARM NAME: Green, Norma  
 RESPONSIBLE PARTY NAME: Diversified Production LLC  
 COUNTY: Wyoming DISTRICT: Center  
 QUADRANGLE: Pineville  
 SURFACE OWNER: Kathryn Elizabeth Chicks  
 ROYALTY OWNER: DP BlueGrass LP  
 UTM GPS NORTHING: 4,150,573.0  
 UTM GPS EASTING: 451,727.1 GPS ELEVATION: 1551'

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.

 Director Production 08/09/2021  
 Signature Title Date

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Environmental Protection

09/24/2021



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

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**Plugging Vertical Well Work Permit (API: 47-109-01084)**

1 message

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

Wed, Sep 22, 2021 at 8:18 AM

To: "Mast, Jeff" &lt;jmast@dgoc.com&gt;, "Kennedy, Gary L" &lt;gary.l.kennedy@wv.gov&gt;, Michael Cook &lt;mecook2@assessor.state.wv.us&gt;

I have attached a copy of the newly issued well permit number "2", API (47-109-01084). This will serve as your copy.


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)**

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**2 attachments** **IR-8 Blank.pdf**  
157K **47-109-01084 - Copy.pdf**  
3095K**09/24/2021**