



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

Thursday, April 7, 2022
WELL WORK PLUGGING PERMIT
Vertical Plugging

DIVERSIFIED PRODUCTION LLC
101 MCQUISTON DRIVE
JACKSON CENTER, PA 16133

Re: Permit approval for 8600
47-099-01100-00-00

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: 8600
Farm Name: ELMER AND EMMA WALKER
U.S. WELL NUMBER: 47-099-01100-00-00
Vertical Plugging
Date Issued: 4/7/2022

Promoting a healthy environment.

04/08/2022

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.

4709901100P

WW-4B
Rev. 2/01

1) Date March 10, 2022
2) Operator's
Well No. 808600
3) API Well No. 47-099 - 01100

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Office of Oil and Gas

MAR 17 2022

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

WV Department of
Environmental Protection

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

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

5) Location: Elevation 274.18 m Watershed Joels Branch of West Fork Twelvepole Creek
District Butler County Wayne Quadrangle Wayne

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 R & J Well Services, Inc.
Address P.O. Box 1207 Address P.O. Box 40
Clendenin, WV 25045 Hueysville, KY 41640-0040

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

SEE ATTACHED SHEET

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

Work order approved by inspector



Date

3/14/22

04/08/2022

PLUGGING PROGNOSIS

808600

West Virginia, Wayne County

API# 47-099-01100

Completed by S.T.

Updated 11/14/2019

Casing Schedule

13 3/8" csg @ 22'

10 3/4" csg @ 430'

8 5/8" csg @ 1402'

3 1/2" csg @ 1515' 3 1/2" x 8 5/8" Hookwall Packer @ 1402'

TD 1527'

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Environmental Protection**Completion:** Acidized Big Lime**Fresh Water:** No shows**Gas Shows:** Big Lime 1520'-1525'**Coal:** No Shows**Elevation:** 890'

1. Notify Inspector, Terry Urban 304-549-5915, 48 hours prior to commencing operations.
2. Check and record pressures on csg.
3. Check TD w/ wireline.
4. RIH w/ gun. Perf 3 1/2" csg @ 1515', 1465', 1425', 1380', and 1357'.
5. TIH w/ tbg to 1520'. Load well as needed w/ 6% bentonite gel. Pump 168' C1A cement plug from 1520'-1352' (Big Lime gas show & 8 5/8" csg st).
6. TOOH w/ tbg to 1352' and pump 6% bentonite gel from 1352'-890'. TOOH LD tbg.
7. Free Point 3 1/2" csg. Cut and Pull. Set 100' C1A cement plug across csg Cut. 50' in/out of cut.
8. Free Point 8 5/8" 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
9. TIH w/ tbg to 890'. Pump 100' C1A cement plug from 890'-790' (Elevation).
10. TOOH w/ tbg to 790'. Pump 6% bentonite gel from 790'-480'.
11. TIH w/ tbg to 480'. Pump 100' C1A cement plug from 480'-380' (10 3/4" csg st). TOOH LD tbg
12. Free Point 10" 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
13. TOOH w/ tbg to 380'. Pump 6% bentonite gel from 380'-100'.
14. TOOH w/ tbg to 100'. Pump 100' C1A cement plug from 100'-0' (Surface).
15. Erect monument with API#, date plugged, and company name.
16. Reclaim location and road to WV-DEP specifications.

Signatures 3-14-22



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 15

Quadrangle Wayne

WELL RECORD

Permit No. WAY-1100

Oil or Gas Well Gas
(KIND)

Company United Fuel Gas Co.
Address P. O. Box 1273; Charleston 25, W. Va.
Farm United Fuel Gas Co. Fee Acres 10.500
Location (waters) West Fork of 12-Pole Creek
Well No. 8600 Elev. 890.41
District Butler County Wayne
The surface of tract is owned in fee by _____
Address _____

Size	Used in Drilling	Left in Well	Packers
16			Bottom Hole & Kind of Packer
13 3/8		22	Hookwall
10 3/4		430	Size of 8-5/8" x 10-3/4"
8 5/8		1402	3 1/2 x 8-5/8" x 76-16"
6 3/4			Depth set 1402'
6 1/2			1495'
3 1/2		1515	Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Mineral rights are owned by United Fuel Gas Co.
The Chartiers Oil Co. Address 1518 Farmers Bank Bldg
Pittsburgh 22, Pa.
Drilling commenced 7-12-58
Drilling completed 7-19-58
Date Shot _____ From _____ To _____
With _____

Open Flow _____ /10ths Water in _____ Inch
11 /10ths Merc. in 3 Inch
Volume 1,161,000 - Big Lime _____ Cu. Ft.
Rock Pressure 510 lbs. 48 hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED 9-29-58 with 1000 gallons acid

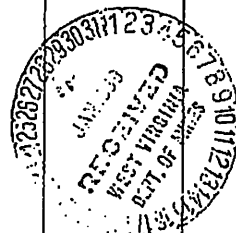
CA-ING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

WELL FRACTURED _____

RESULT AFTER TREATMENT _____
ROCK PRESSURE AFTER TREATMENT _____

Fresh Water _____ Feet _____ Salt Water _____ Feet _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Surface			0	22	Gas	1520-1525'	46/10 Merc. 2" 1,055 M
Slate			22	60			
Sand			60	135	Test before acidized		46/10 Merc. 2"
Slate			135	140	1,055 M		
Sand			140	155	Acidized 9-29-58 with 1000 gallons acid		
Slate			155	185	Test 20 hours after acidized		11/10 Merc. 3" 1,161 M
Sand			185	220			
Slate			220	265			
Sand			265	300			
Slate			300	323			
Sand			323	348			
Slate			348	363			
Sand			363	420	Shut in 9-30-58 in 3 1/2" tubing		
Slate			420	525			
Sand			525	645			
Slate			645	680 1/2			
Sand			680	710			
Slate			710	755			
Sand			755	773			
Slate			773	784			
Sand			784	840			
Slate & Shells			840	865			
Salt Sand			865	1088			
Slate			1088	1125			
Maxon Sand			1125	1295			
Slate & Shells			1295	1305			
Red Rock			1305	1315			
Slate			1315	1345			
Little Lime			1345	1363'			
Slate			1363	1368			



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WV Department of Environmental Protection

(over)

4709901100P

Formation	Color	Hard or Soft	Top /5	Bottom	Oil, Gas or Water	Depth Found	Remarks
Big Line Total Depth Plugged back to 1527'			1368	1532 1532'			

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WV Department of
Environmental Protection

Date January 27, 19 59

APPROVED UNITED FUEL GAS COMPANY, Owner

By R. J. Jurell
(Title)
Supt., Civil Engineering Dept.

04/08/2022

WW-4A
Revised 6-07

1) Date: March 10, 2022
2) Operator's Well Number 808600

3) API Well No.: 47 - 099 - 01100

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:
(a) Name Elmer and Emma Walker
Address 1219 Joels Branch
Genoa, West Virginia 25517
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Terry Urban
Address P.O. Box 1207
Clendenin, WV 25045
Telephone 304-549-5915

5) (a) Coal Operator
Name None
Address _____
(b) Coal Owner(s) with Declaration
Name Southern Region Industrial, Inc.
Address Three Commercial Drive
Norfolk, Virginia 23510
Name _____
Address _____
(c) Coal Lessee with Declaration
Name No Declaration
Address _____

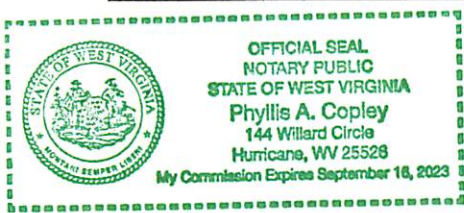
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WV Department of
Environmental Protection

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 of Technical Services
Address 414 Summers Street
Charleston, WV 25301
Telephone 304-543-6988

Subscribed and sworn before me this 10th day of March, 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.

Well 808600
47-099-01100P

7020 3160 0000 1694 9848

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

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

Norfolk, VA 23510

OFFICIAL USE

Certified Mail Fee	\$3.75	0523
Extra Services & Fees (check box, add fee as appropriate)	\$3.05	03
<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	\$1.56	
Total	\$8.36	03/10/2022

Postmark Here

Sent to: **Well 808600**
 Southern Region Industrial, Inc.
 3 Commercial Drive
 Norfolk, VA 23510

City: _____
 PS Instructions

7020 3160 0000 1694 9978

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

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

Genoa, WV 25517

OFFICIAL USE

Certified Mail Fee	\$3.75	0523
Extra Services & Fees (check box, add fee as appropriate)	\$3.05	03
<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	\$1.56	
Total	\$8.36	03/10/2022

Postmark Here

Sent to: **Well 808600**
 Elmer and Emma Walker
 1219 Joels Branch
 Genoa, WV 25517

City: _____
 PS Instructions

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APR 7 2022

WV Department of
Environmental Protection

04/08/2022

4709901100P

WW-9
(5/16)

API Number 47 - 099-01100
Operator's Well No. 808600

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) Joels Branch of West Fork Twelvepole Creek (050901020103) Quadrangle Wayne

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 TW

If so, please describe anticipated pit waste: Plugging returns/Cement

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 _____)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain Any fluid recovered will be hauled to a Diversified Tank Battery and disposed of properly)

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Will closed loop system be used? If so, describe: _____

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. _____
-If oil based, what type? Synthetic, petroleum, etc. _____
WV Department of Environmental Protection

Additives to be used in drilling medium? _____

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. _____

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

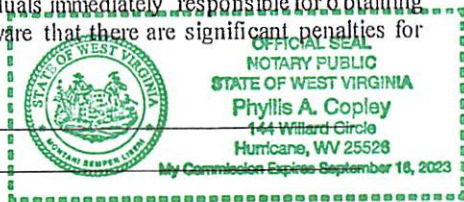
-Landfill or offsite name/permit number? _____

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 of Technical Services



Subscribed and sworn before me this 10th day of March, 20 22

Phyllis A. Copley Notary Public

My commission expires September 16, 2023

04/08/2022

Proposed Revegetation Treatment: Acres Disturbed _____ +/- 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

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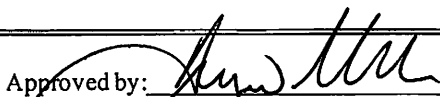
Seed Mixtures

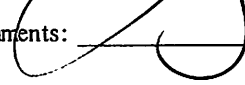
Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Red Fescue	40	Red Fescue	15
Alsike	5	Alsike Clover	5
Annual Rye	15		

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: Inspector Dale Coas Date: 3/4/22

Field Reviewed? Yes No









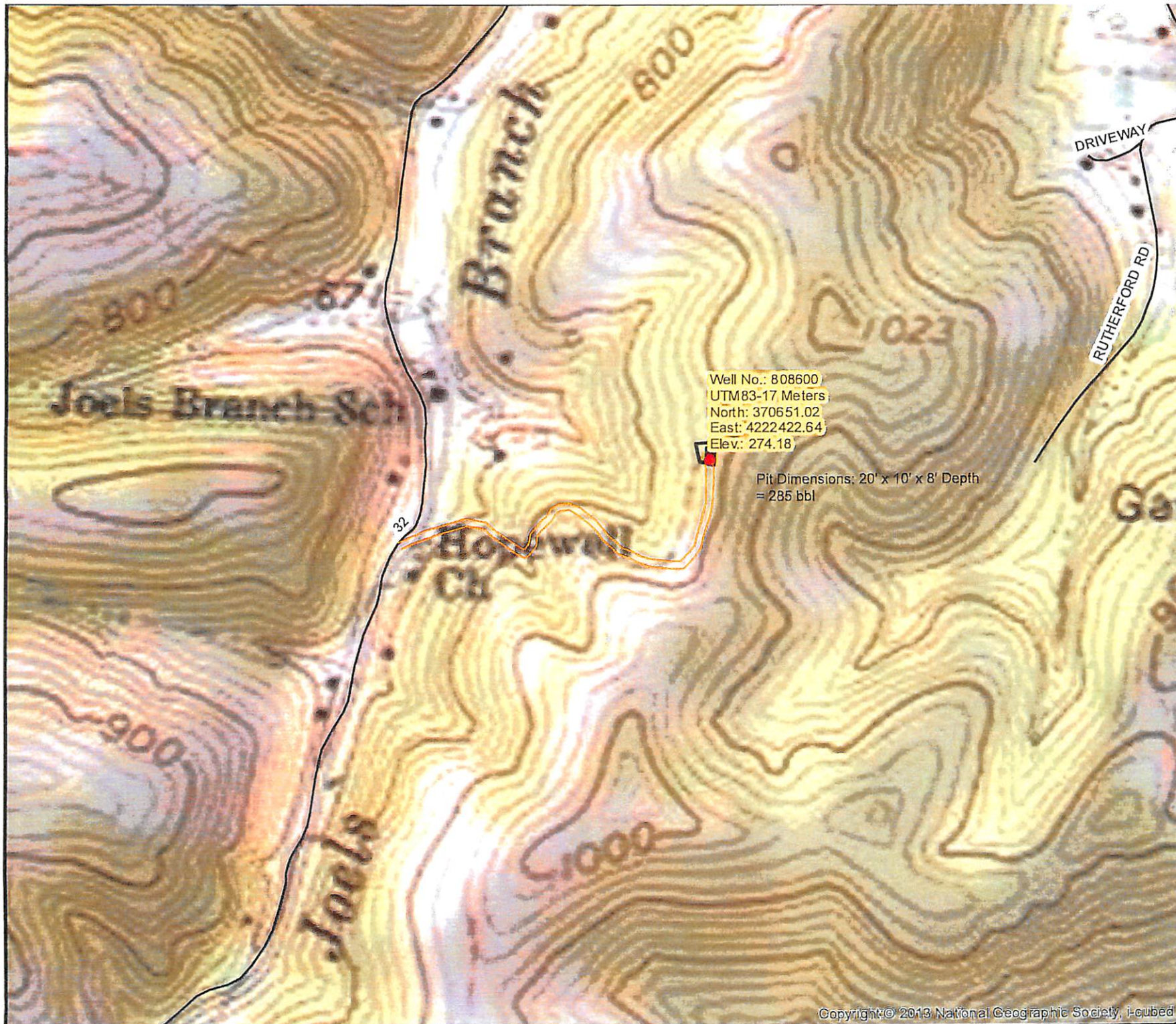
Diversified Gas & Oil
Corporation
100 Diversified Way
Pikeville KY, 41051

808600

Plugging Map

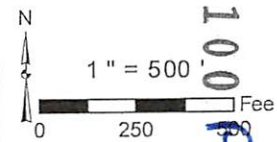
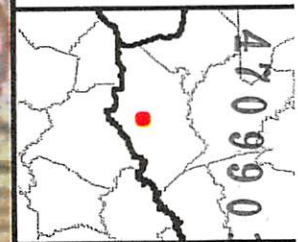
Legend

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



Well No.: 808600
UTM83-17 Meters:
North: 370651.02
East: 4222422.64
Elev.: 274.18'

Pit Dimensions: 20' x 10' x 8' Depth
= 285 bbl



WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-099-01000 WELL NO.: 808600
 FARM NAME: United Fuel Gas Co. Fee
 RESPONSIBLE PARTY NAME: Diversified Production, LLC
 COUNTY: Wayne DISTRICT: Butler
 QUADRANGLE: Wayne
 SURFACE OWNER: Elmer and Emma Walker
 ROYALTY OWNER: Diversified Gas and Oil Corporation
 UTM GPS NORTHING: 4,222,422.64 (899')
 UTM GPS EASTING: 370,651.02 GPS ELEVATION: 274.18 m

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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

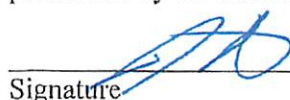
Real-Time Differential

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 Technical Services 3/10/2022
 Signature Title Date

04/08/2022



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

Plugging Vertical Well Work Permit API: 47-099-01100) Correction

1 message

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

Thu, Apr 7, 2022 at 11:24 AM

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

Terry, I have a paper copy here at the office. The IR-8 attached is filled.


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

47-099-01100 - 8600

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**

2 attachments **47-099-01100 - Copy.pdf**
2243K **IR-8 Blank - Copy.pdf**
232K**04/08/2022**