



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, May 5, 2022
WELL WORK PLUGGING PERMIT
Vertical Plugging

DIVERSIFIED PRODUCTION LLC
101 MCQUISTON DRIVE
JACKSON CENTER, PA 16133

Re: Permit approval for 9007
47-039-01748-00-00

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, Chief, is written over a white background.

James A. Martin
Chief

Operator's Well Number: 9007
Farm Name: TCO FEE
U.S. WELL NUMBER: 47-039-01748-00-00
Vertical Plugging
Date Issued: 5/5/2022

Promoting a healthy environment.

05/06/2022

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 April 26, 2022
2) Operator's
Well No. 9007
3) API Well No. 47 039 01748

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 788.43 feet Watershed Right Fork of Blue Creek
District Elk County Kanawha Quadrangle Clendenin

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

See Prod Payo for Charges

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

Work order approved by inspector *[Signature]* Date 4/29/22

Plugging Prognosis

API #: 4703901748

West Virginia, Kanawha Co.

Lat/Long: 38.37154108, -81.41902743

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

Casing Schedule:

10-3/4" @ 35' (no cement information provided)

8-5/8" @ 259' (no cement information provided)

4-1/2" @ 1,723' (no cement information provided)

*PULL 8 5/8" IF FREE. JMM*Completion: Weir: 1,516'-1,522'; 1,532-1,534'; 1,541'-1,542'; 1,548'-1,550'; 1,557'-1,560'; 1,625'-1,627';
1,643-1,645'; 1,649'-1,651'

Big Lime: 1,301'-1,306'

Perforated Weir first, then set plug at 1,320' and then acidized Big Lime. No gas recovered after acidizing. Assuming plug was drilled/pushed to bottom hole and Weir was produced.Fresh Water: 45'; 330' *Cement*Salt Water: 695' *Cement*

Gas Shows: 1,360'; 1,365'; 1,550'; 1,560'; 1,570'; 1,620'; 1,630'

Oil Shows: None listed

Coal: 50'-54'

Elevation: 787'

- Cover with Cement

1. Notify Inspector Terry Urban @ 304-549-5915, 48 hrs prior to commencing operations.
2. Check and record pressures on csg/tbg.
3. Check TD w/ wireline.
4. Run in to depth @ 1,651'. ~~Kill well as needed with 6% bentonite gel and fill rat hole.~~ Pump at least 10 bbls gel. Pump 450' C1A cement plug from **1,651' to 1,201' (Weir and Big Lime Completions and gas shows plug)** Tag TOC. Top off as needed. *DK*
5. TOOH w/ tbg to 1,201'. Pump 6% bentonite gel from 1,201' to 787'. TOOH w/ tbg and l/d.
6. Free point 4-1/2" 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 787'. Pump 142' C1A cement plug from **787' to 645' (elevation and saltwater plug)**.
8. TOOH w/ tbg to 645'. Pump 6% bentonite gel from 645' to 380'.
9. TOOH w/ tbg to 380'. Pump 380' C1A cement plug from **380' to surface (freshwater, coal, 10-3/4" and 8-5/8" csg shoes and surface plug)**. *dk*
10. Reclaim location and well road to WV DEP specifications and erect P&A well monument.

*Operator to Cover All Oils/Gas Formations with Cement including Elevation, COAL, SALT, Fresh Water**Agud Uda
4-29-22*

05/06/2022

4703901748P



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 5

Quadrangle Clendenin

Permit No. KAN-1748

WELL RECORD

Oil or Gas Well Gas
(IND)

Company United Fuel Gas Company
Address P.O. Box 1273; Charleston 25, W. Va.
Farm United Fuel Gas Co. Fee Acres 2675
Location (waters) Whitecap Fork
Well No. 9007 Elev. 786.65
District Elk County Kanawha
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by United Fuel Gas Co.
Address Charleston, W. Va.
Drilling commenced 1-11-61
Drilling completed 2-5-61
Date Shok _____ From _____ To _____
With _____
Open Flow 10 /10ths Water in _____ Inch
10 /10ths Merc. in _____ Inch
Volume 492,000 - Weir Cu. Ft.
Rock Pressure 495 lbs. 48 hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____
WELL FRACTURED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
18			Kind of Packer
18			
10 3/4		35'	Size of
8 1/2 x 5/8		259	
6 5/8			Depth set
5 3/16			
4 1/2	Cemented	1723'	Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
COAL WAS ENCOUNTERED AT 50 FEET 48 INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

RESULT AFTER TREATMENT _____
ROCK PRESSURE AFTER TREATMENT
Fresh Water 45 Feet 330 Salt Water 695 Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Gravel			0	36	Hole full water	45'	} <i>Cant</i>
Sand			36	50			
Coal			50	54	Water	330' 1/3 bailer per hour	
Slate			54	95			
Sand			95	115	Hole full water	695'	
Slate			115	262			
Sand			262	280	Show gas	1343'	
Slate			280	312			
Sand			312	363	Gas	1360' 5/10 W 2" 94 M	
Slate			363	390			
Sand			390	425	Gas	1365' 4/10 W 2" 84 M	
Slate			425	475			
Salt Sand			475	852	Gas	1550' 5/10 W 2" 94 M	
Slate			852	870			
Sand			870	1075	Gas	1560' 20/10 W 2" 189 M	
Slate			1075	1080			
Red Rock			1080	1084	Test	1570' 18/10 W 2" 179 M	
Slate			1084	1090			
Red Rock			1090	1100	Gas	1620' 20/10 W 2" 189 M	
Slate & Shells			1100	1150			
Red Rock			1150	1170	Gas	1630' 32/10 W 2" 239 M	
Maxon Sand			1170	1220			
Little Lime			1220	1270	Perforated Big Lime	1301-1306'	
Pencil Cave			1270	1280	Perforated Weir	1516-1522', 1532-1534', 1541-1542', 1548-1550', 1557-1560', 1625-1629', 1643-1645', 1649-1651'	
Big Lime			1280	1422			
Grey Injun			1422	1435			
Red Injun			1435	1470			
Weir			1470	1670			
Slate & Shells			1670	1723	Test before fracture -	13/10 W 2" 152 M	
Total Depth			1723'		Fractured Weir 2-8-61 with 26,000 gallons water, 3600 gallons 15% Hcl, 22,500# 10-20 Sand and 3100# 20-40 Sand		



(over)

05/06/2022

Formation	Color	Hard or Soft	Top 5	Bottom	Oil, Gas or Water	Depth Found	Remarks
							Test after fracture 10/10 Merc. 2" 492 M Plug set at 1320' Acidized Big Lime 2-9-61 with 3,000 gallons 15% Hcl No Big Lime gas recovered after acidized FINAL OPEN FLOW - 492 M - Weir 48 Hr. R.P. 495#' Shut in 2-20-61 in 4 1/2" casing. LOGS RUN: Gamma Ray G. G. Density Temperature

Date March 23, 19 61

APPROVED UNITED FUEL GAS COMPANY, Owner

By S. R. Howell
(Title)

Supt., Civil Engineering Dept.

05/06/2022

WW-4A
Revised 6-07

1) Date: April 26, 2022
 2) Operator's Well Number 9007
 3) API Well No.: 47 - 035 - 01748

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>John D. Smallridge, Trustee</u>	Name <u>Blackhawk Land & Resources</u>
Address <u>C/O David H. Lunsford, 1900 Third Avenue</u>	Address <u>P.O. Box 470</u>
<u>Huntington, WV 25703</u>	<u>Prestonsburg, KY 41653</u>
(b) Name <u>The Hamilton Corporation</u>	(b) Coal Owner(s) with Declaration
Address <u>1013 1/2 Quarrier Street</u>	Name <u>John D. Smallridge, Trustee</u>
<u>Charleston, WV 25301</u>	Address <u>C/O David H. Lunsford, 1900 Third Avenue</u>
(c) Name _____	Name <u>The Hamilton Corporation</u>
Address _____	Address <u>1013 1/2 Quarrier Street</u>
_____	<u>Charleston, WV 25301</u>
6) Inspector <u>Terry Urban</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 1207</u>	Name <u>Blackhawk Land & Resources</u>
<u>Clendenin, WV 25045</u>	Address <u>P.O. Box 470</u>
Telephone <u>304-549-5915</u>	<u>Prestonsburg, KY 41653</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 reverse side. However, you are not required to take any action at all.

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



Well Operator Diversified Production, LLC
 By: [Signature] Jeff Mast
 Its: Director Production
 Address 414 Summers Street
Charleston, WV 25301
 Telephone 304-543-8988

Subscribed and sworn before me this 26th day of April, 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.

47039017489

47-039-01748
Well 9007

7020 3160 0000 1695 0004

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Huntington, WV 25708

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Certified Mail Fee	\$3.75
Extra Services & Fees (check box, add fee as appropriate)	\$3.05
<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	\$1.56
Total	\$8.36⁹⁰⁰⁷

Postmark Here
APR 26 2022
04/26/2022
0523 04

Sent to: John D. Smallridge, Trustee
Street: C/O David H. Lunsford
City: 1900 3rd Avenue
Huntington, WV 25703

PS Form 3800, September 2015

7020 3160 0000 1694 9015

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Charleston, WV 25301

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Certified Mail Fee	\$3.75
Extra Services & Fees (check box, add fee as appropriate)	\$3.05
<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	\$1.56
Total	\$8.36⁹⁰⁰⁷

Postmark Here
APR 26 2022
04/26/2022
0523 04

Sent to: The Hamilton Corporation
Street: 1013 1/2 Quarrier Street
City: Charleston, WV 25301

PS Form 3800, September 2015

7020 3160 0000 1694 9022

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Prestonsburg, KY 41653

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Certified Mail Fee	\$3.75
Extra Services & Fees (check box, add fee as appropriate)	\$3.05
<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	\$1.56
Total	\$8.36⁹⁰⁰⁷

Postmark Here
APR 26 2022
04/26/2022
0523 04

Sent to: Blackhawk Land & Resources
Street: P.O. Box 470
City: Prestonsburg, KY 41653

PS Form 3800, September 2015

05/06/2022

WW-9
(5/16)

API Number 47 - 039 - 01748
Operator's Well No. 9007

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) Right Fork of Blue Creek Quadrangle Clendenin

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 WC Booker #1: 47-039-02327 UIC2D03802327 002)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain _____)

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

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

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

Additives to be used in drilling medium? N/A

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

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

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

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

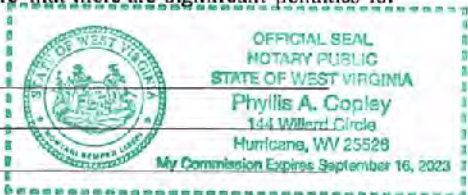
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature [Signature]

Company Official (Typed Name) Jeff Mast

Company Official Title Director Production



Subscribed and sworn before me this 26th day of April, 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 6.5

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 [Signature] Date: 4-28-20

Field Reviewed? (/) Yes () No



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

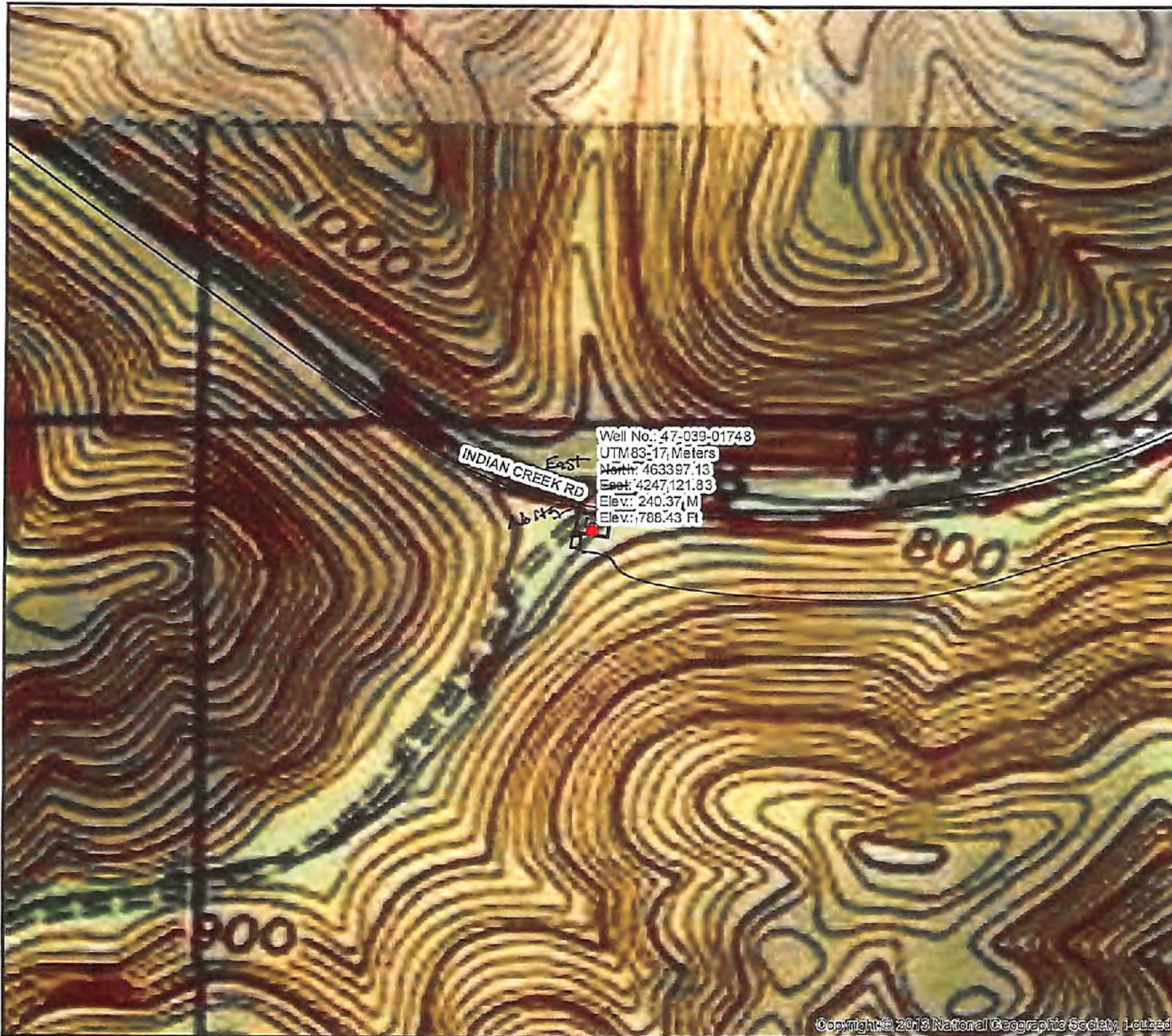
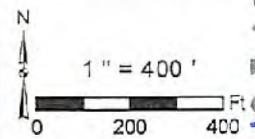
47-039-01748

Plugging Map

Legend

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

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



Well No.: 47-039-01748
UTM 83-17 Meters
North: 463397.13
East: 4247121.83
Elev.: 240.37 M
Elev.: 788.43 Ft

INDIAN CREEK RD
East

47-039-01748

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 4703901748 WELL NO.: 9007
 FARM NAME: United Fuel Gas Co. Fee
 RESPONSIBLE PARTY NAME: Diversified Production LLC
 COUNTY: Kanawha DISTRICT: Elk
 QUADRANGLE: Clendenin
 SURFACE OWNER: John D. Smallridge, Trustee - c/o David H. Lunsford, The Hamilton Corporation
 ROYALTY OWNER: Diversified
 UTM GPS NORTHING: 4247121.83
 UTM GPS EASTING: 463397.13 GPS ELEVATION: 788.43'

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.

 Digitally signed by Austin Suttler
Date: 2022.04.25 16:16:16 -04'00'
 _____ Sr. Proj. Manager 4/25/2022
 Signature Title Date

05/06/2022



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

Plugging Vertical Well Work Permit (API: 47-039-01748 & 47-039-02317)

1 message

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

Thu, May 5, 2022 at 10:41 AM

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

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

47-039-01748 - 9007

47-039-02317 - A-1

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

 **47-039-01748 - Copy.pdf**
1030K

 **47-039-02317 - Copy.pdf**
953K

05/06/2022