



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 A-1
47-039-02317-00-00

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 circular stamp. The stamp contains the name "James A. Martin" and the title "Chief" below it.

James A. Martin
Chief

Operator's Well Number: A-1
Farm Name: HUFFMAN, DORA
U.S. WELL NUMBER: 47-039-02317-00-00
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. 1
3) API Well No. 47 039 02317

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 817.71 feet Watershed Wills 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 Prog Page

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

Work order approved by inspector  Date 4/29/22

4703902317P

Form OG-10



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage

Quadrangle Clendenin

WELL RECORD

Permit No. KAN-2317

Oil or Gas Well OIL
(KIND)

Company Mareve Oil Corp.
Address P.O. Box 1228, Parkersburg, W.Va.
Farm Dora Huffman "A" Acres 23
Location (waters) Wills Creek
Well No. 1 Elev. 780
District Elk County Kanawha
The surface of tract is owned in fee by Dora Huffman Heirs
Address Elkview, W.Va.
Mineral rights are owned by Dora Huffman Heirs
Address Elkview, W.Va.

Drilling commenced 1/28/69
Drilling completed 2/2/69
Date Shot From To
With

Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil Show _____ bbls., 1st 24 hrs.

WELL ACIDIZED (DETAILS) _____

WELL FRACTURED (DETAILS) 41,500 # Sand & 41,500 gallons gelled fresh water.

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 32 BOPD

ROCK PRESSURE AFTER TREATMENT _____ HOURS

Fresh Water _____ Feet Salt Water _____ Feet

Producing Sand Big Injun Depth 1814-1858

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16.			
13.			
10.			Size of
8 8-5/8"	237	237	Depth set
6 5/8"	Cement	Circ.	
5 3/16"			
4 1/4"			
3.			Perf. top
2.			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Attach copy of cementing record.

CASING CEMENTED 4 1/2 SIZE 1947 No. Ft. 2/2/69 Date

Amount of cement used (bags) 350

Name of Service Co. Howco-Cement circ.

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil Gas or Water	Depth	Remarks
Surface & Rock			0	37			
Shale w/sand streaks			37	106			
Shale			106	237			
Shale & Sand			237	462			
Sandy Shale			462	1003			
Salt Sand			1003	1630			
Little Lime			1630	1660			
Pencil Cave			1660	1668'			
Big Lime			1668	1814			
Big Injun			1814	1858			
Shale			1858	1950	(T.D.)		



05/06/2022

Plugging Prognosis

API #: 4703902317

West Virginia, Kanawha Co.

Lat/Long: 38.4638647, -81.48439676

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

Casing Schedule:

8-5/8" @ 237' (cemented to surface) ✓
 4-1/2" @ 1947' (cemented to Surface with 350 sx)
 TD @ 1947'

Completion: 1814'-1858' (Perf Depths Not Listed)

Fresh Water: None listed

Salt Water: None listed

Gas Shows: None listed

Oil Shows: None listed

Coal: None listed

Elevation: 780'

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. Pull rods and tubing.
5. Run in to depth @ 1858'. Kill well as needed with 6% bentonite gel and fill rat hole. Pump at least 10 bbls gel. Pump 144' C1A cement plug from 1858' to 1714' (completion zone plug). Tag TOC. Top off as needed. *Cut*
6. TOOH w/ tbg to 1714'. Pump 6% bentonite gel from 1714' to 780'.
7. TOOH w/ tbg to 780'. Pump 100' C1A cement plug from 780' to 680' (elevation plug).
8. TOOH w/ tbg to 680'. Pump 6% bentonite gel from 680' to 287'.
9. TOOH w/ tbg to 287'. Pump 287' C1A cement plug from 287' to Surface (8-5/8" csg shoe and surface plug).
10. Reclaim location and well road to WV DEP specifications and erect P&A well monument.

*Operate to Core with Cement, All production Tests
 Salt, Elevation, Coal, Freshwater*

[Signature]
 4/29/22

4703902317 P

WW-4A
Revised 6-07

1) Date: April 26, 2022

2) Operator's Well Number: 1

3) API Well No.: 47 - 039 - 02317

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>Darris L. & Carolyn Barker</u>	Name <u>None</u>
Address <u>P.O. Box 893</u>	Address _____
<u>Clendenin, WV 25045</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Darris L. & Carolyn Barker</u>
_____	Address <u>P.O. Box 893</u>
_____	<u>Clendenin, WV 25045</u>
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Terry Urban</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 1207</u>	Name <u>No Declaration</u>
<u>Clendenin, WV 25045</u>	Address _____
Telephone <u>304-549-5915</u>	_____

TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

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



Well Operator Diversified Production, LLC
 By: [Signature] Jeff Mast
 Title: Director Production
 Address 414 Summers Street
Charleston, WV 25301
 Telephone 304-543-6963

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.

05/06/2022

4703902317P

47-039-02317

Well # 1

7020 2450 0001 5225 1983

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

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

Clendenin, WV 25045

OFFICIAL USE

Certified Mail Fee	\$3.75
Extra Services & Fees (check box, add fees 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

Well # ~~1~~ 47-039-02317
Darris L. & Carolyn Barker
P.O. Box 893
Clendenin, WV 25045



04/26/2022

for Instructions

4703902317P

WW-9
(5/16)

API Number 47 - 039 - 02317
Operator's Well No. 1

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) Wills Creek Quadrangle Clondenin

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 #: 47-039-02327 UIC2D03902327 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.

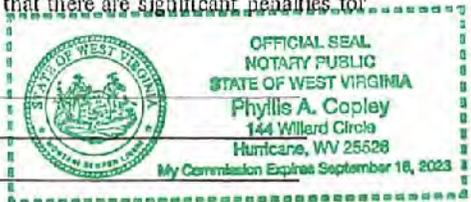
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations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

05/06/2022

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

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer type _____ 10-20-20 or equivalent

Fertilizer amount _____ lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

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

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

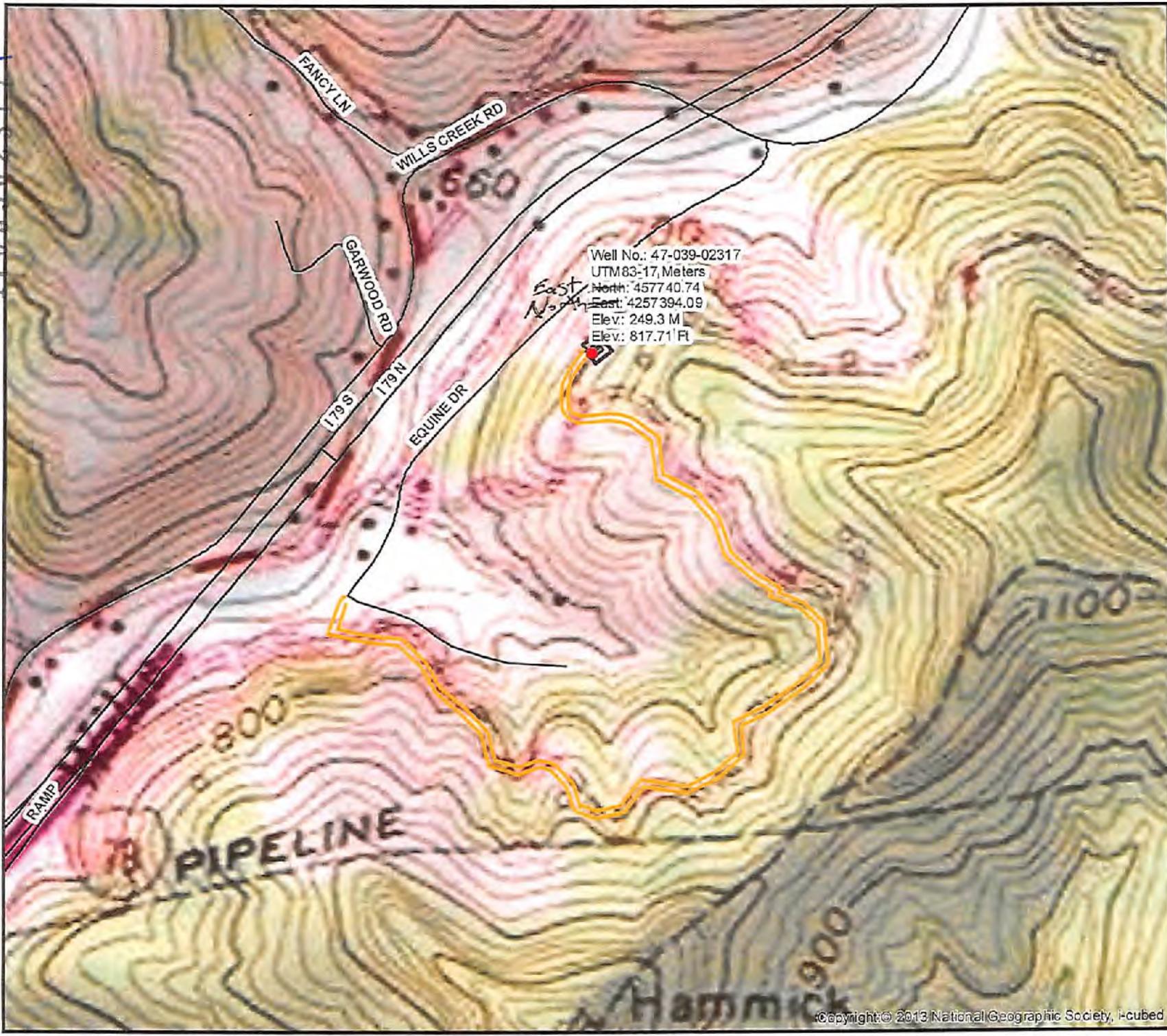
Plan Approved by: [Signature]

Comments: _____

Title: Inspect DEP & G45 Date: 4-29-22

Field Reviewed? () Yes () No

4703902317P



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

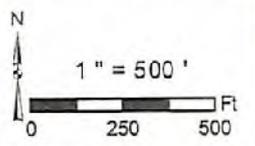
47-039-02317

Plugging Map

Legend

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

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



4703902317P

WW-7
8-30-06



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

API: 4703902317 WELL NO.: 1

FARM NAME: Dora Huffman "A"

RESPONSIBLE PARTY NAME: Diversified Production LLC

COUNTY: Kanawha DISTRICT: Elk

QUADRANGLE: Clendenin

SURFACE OWNER: Darris L. & Carolyn Barker

ROYALTY OWNER: Allen Huffman

UTM GPS NORTHING: 4257394.09

UTM GPS EASTING: 457740.74 GPS ELEVATION: 817.71'

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 Justin Suttler
Date: 2022.04.25 15:48:08
-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