



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

Wednesday, February 16, 2022
WELL WORK PLUGGING PERMIT
Vertical Plugging


DIVERSIFIED PRODUCTION LLC
101 MCQUISTON DRIVE
JACKSON CENTER, PA 16133

Re: Permit approval for 3-A-547
47-033-00933-00-00

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: 3-A-547
Farm Name: VORHOLT, ALLEN R.
U.S. WELL NUMBER: 47-033-00933-00-00
Vertical Plugging
Date Issued: 2/16/2022

Promoting a healthy environment.

02/18/2022

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.

4703300933P

WW-4B
Rev. 2/01

- 1) Date January 31, 2022
- 2) Operator's Well No. A-547
- 3) API Well No. 47 003 00933

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 1.052 feet Watershed West Fork River
District Grant County Harrison Quadrangle Weston

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 Sam Ward Name Diversified Production, LLC (in-house rig)
Address P.O. Box 2327 Address 1951 Pleasantview Ridge Road
Buckhannon, WV 26201 Ravenswood, WV 26164

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

See Attached

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WV Department of
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 [Signature] Date 2/15/2021

02/18/2022

PLUGGING PROCEDURE
HARRISON COUNTY, WEST VIRGINIA
API# 47-033-00933

Current Status

Csg Schedule

- 10" @ 16'
- 8 5/8" @ 543' cemented to surface
- 4 1/2" @ 4383' cemented to 3400'

Completion

- Benson: 4296'- 4318'

Coal @ 481'- 483'

Fresh Water @ 40', 722'

Salt Water @ 2617'

Oil Show @ No Show

Gas Show @ No show reported

Elevation 1051'

Objective: Plug and abandon

- 1) Prepare road and location.
- 2) MIRU service rig and support equipment.
- 3) Nipple up to well. Check TD with wireline.
- 4) Set CIBP at 4260'. Confirm no flow on well.
- 5) TIH w/ tbg to 4258'. Pump 10 bbl of 6% gel. Pump 500' C1A cement plug from 4258'- 3758'
- 6) TOOH w/ tbg. Free point 4 1/2" csg. Cut and remove 4 1/2" csg at free point. Set plug 50' in/out of cut. If free point is above any plugs shown below 4 1/2" csg is to be perforated prior to setting plug.
- 7) TIH w/ tbg to 2617'. Set 100' C1A cement plug from 2617' to 2517' (SW Show)
- 8) TOOH w/ tbg to 2517'. Pump 6% bentonite gel from 2517'- 1051'
- 9) TOOH w/ tbg to 1051'. Pump 100' C1A cement plug from 1051'- 951' (Elevation).
- 10) TOOH w/ tbg to 951'. Pump 6% bentonite gel from 951'- 772'
- 11) TOOH w/ tbg to 772'. Pump 341' C1A cement plug from 772'- 431' (FW, 8 5/8" csg st., and coal).
- 12) TOOH w/ tbg to 431'. Pump 6% bentonite gel from 431'- 100'
- 13) TIH w/ tbg to 100'. Pump 100' C1A cement plug from 100' to surface
- 14) Pull work string and top off w/cement.
- 15) Erect permanent monument (30" minimum height and 6" minimum diameter pipe) with API # (1/2" height numbering) and reclaim.

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SOW
2/15/2022

02/18/2022



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division
WELL RECORD

4703300933P

RECEIVED

AUG 10 1976

OIL & GAS DIVISION
DEPT. OF MINES

Quadrangle WESTON
Permit No. HAR-933

Rotary X Oil _____
Cable _____ Gas XX
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind)

Company <u>Allegheny Land & Mineral Co.</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>Box 1740, Clarksburg, WV 26301</u>	Size			
Farm <u>H. Munday</u> Acres <u>165</u>	20-16			
Location (waters) <u>West Fork River</u>	Cond.			
Well No. <u>A-547</u> Elev. <u>1051'</u>	13-10"	16'	0	
District <u>Grant</u> County <u>Harrison</u>	9 5/8			
The surface of tract is owned in fee by <u>Allen R. Vorholt</u>	8 5/8	543'	543'	Cement to surface
Address <u>Box 182, Lost Creek, WV 26385</u>	7			
Mineral rights are owned by <u>Martha Jane Mann, Agent</u> Address <u>Rt. 1, Lost Creek, WV 26385</u>	4 1/2	1383'	4383'	Cement to 3400'
Drilling Commenced <u>March 25, 1976</u>	3			
Drilling Completed <u>March 30, 1976</u>	2			
Initial open flow _____ cu. ft. _____ bbls.	Liners Used			
Final production _____ cu. ft. per day _____ bbls.				
Well open _____ hrs. before test _____ RP.				

Well treatment details:

Attach copy of cementing record.

Fractured May 13, 1976 by Dowell
Rock Pressure - 1820# - 9 1/2 hrs.
Open flow - 30/10 - M-2" = 852 MCF

Coal was encountered at 481 Feet _____ Inches _____
Fresh water 50' & 722' Feet _____ Salt Water @ 2617 Feet _____
Producing Sand Benson Depth 4296 - 4318'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Clay			0	8		
Sand & Shale			8	481	Water @ 50' - 1" stream	
Coal *****			481	483	Coal *****	
Sand & Shale			483	1076	Water @ 722' - 3" stream	
Red Rock			1076	1245		
Shale & Red Rock			1245	1262		
Big Lime			1262	1420		
Injun Sand			1420	1452		
Sand & Shale			1452	1708		
Sand			1708	1732		
Sand & Shale			1732	2138		
Sand			2138	2156		
Sand & Shale			2156	2204		
Sand			2204	2220		
Sand & Shale			2220	2970	Salt water @ 2617' - 1 1/2" stream	
Sand Streaks			2970	3018		
Sandy Shale			3018	4296		
Benson Sand			4296	4318		
Sand & Shale			4318	4465		
		Total depth	4465			

PERFORATIONS:

4307 - 4309' - 6 shots
4312 - 4314' - 6 "

SDW
2/15/2022

* Indicates Electric Log tops in the remarks section.

(over)

WW-4A
Revised 6-07

1) Date: January 31, 2022
2) Operator's Well Number
A-547
3) API Well No.: 47 - 033 - 00933

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>Larry D. Myers Revocable Trust</u>	Name <u>None</u>
Address <u>770 Duck Creek Road</u>	Address _____
<u>Lost Creek, WV 26385</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Larry D. Myers Revocable Trust</u>
_____	Address <u>770 Duck Creek Road</u>
(c) Name _____	<u>Lost Creek, WV 26385</u>
Address _____	Name _____
_____	Address _____
6) Inspector <u>Sam Ward</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 2327</u>	Name <u>No Declaration</u>
<u>Buckhannon, WV 26201</u>	Address _____
Telephone <u>304-389-7583</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 RECEIVED
 Office of Oil and Gas
 By: Jeff Mast
 Its: Director Technical Services FEB 01 2022
 Address 414 Summers Street
Charleston, WV 25301 WV Department of
 Telephone 304-543-6988 Environmental Protection

Subscribed and sworn before me this 31st day of January
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.

4703300933P

7020 2450 0001 5225 2898

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

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

Lost Creek, WV 26385

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
Total Postage and Fees	\$8.36

0523
03

Postmark
Here

01/31/2022

Sent To
 Larry D. Myers Revocable Trust
 Street and Apt. No., or PO Box No.
 770 Duck Creek R.J. (47-033-00933)
 City, State, ZIP+4®
 Lost Creek WV 26385

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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4703300933f

WW-9
(5/16)

API Number 47 - 033 - 00933
Operator's Well No. A-547

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 ID) West Fork River Quadrangle Weston

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

*SPW
2/15/2022*

Will closed loop systems 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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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 _____
Company Official (Typed Name) Jeff Mast
Company Official Title Director Technical Services



Subscribed and sworn before me this 31st day of January, 2022

Phyllis A. Copley

Notary Public

My commission expires September 16, 2023

02/18/2022

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

Line 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:

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Title: COG Inspector

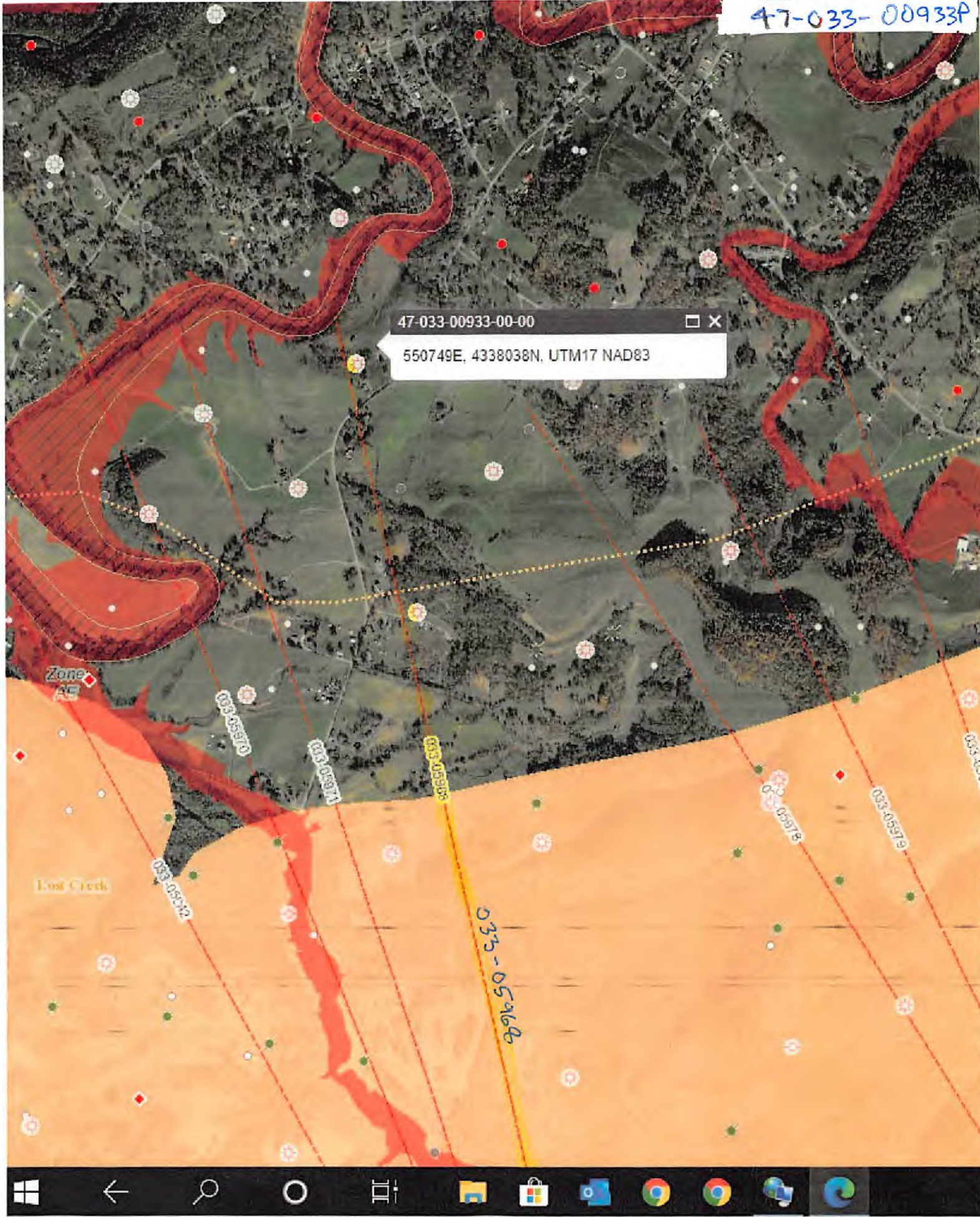
Date: 2/15/2022

Field Reviewed? () Yes (X) No

47-033-00933P

47-033-00933-00-00

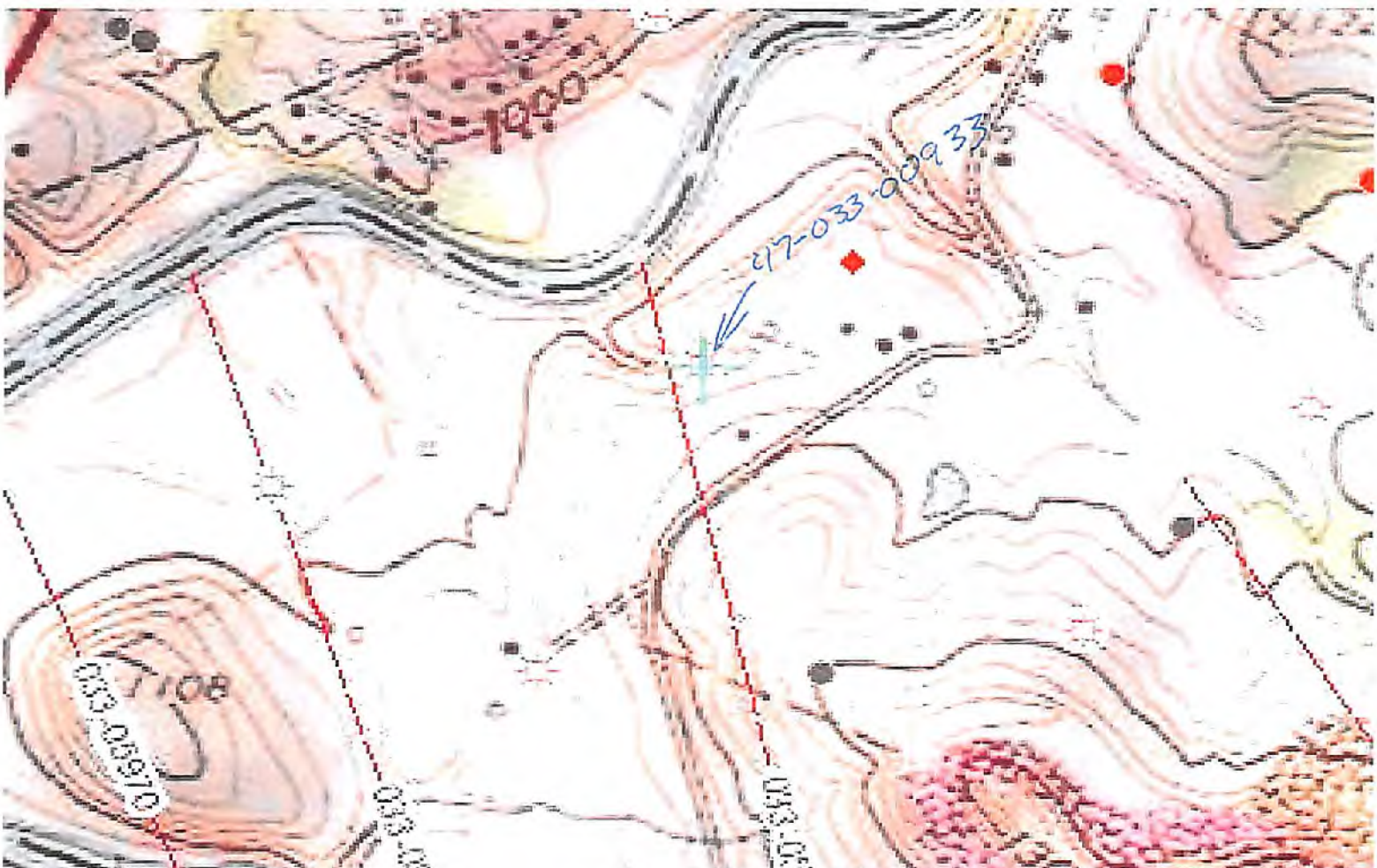
550749E, 4338038N, UTM17 NAD83



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47-033-00933



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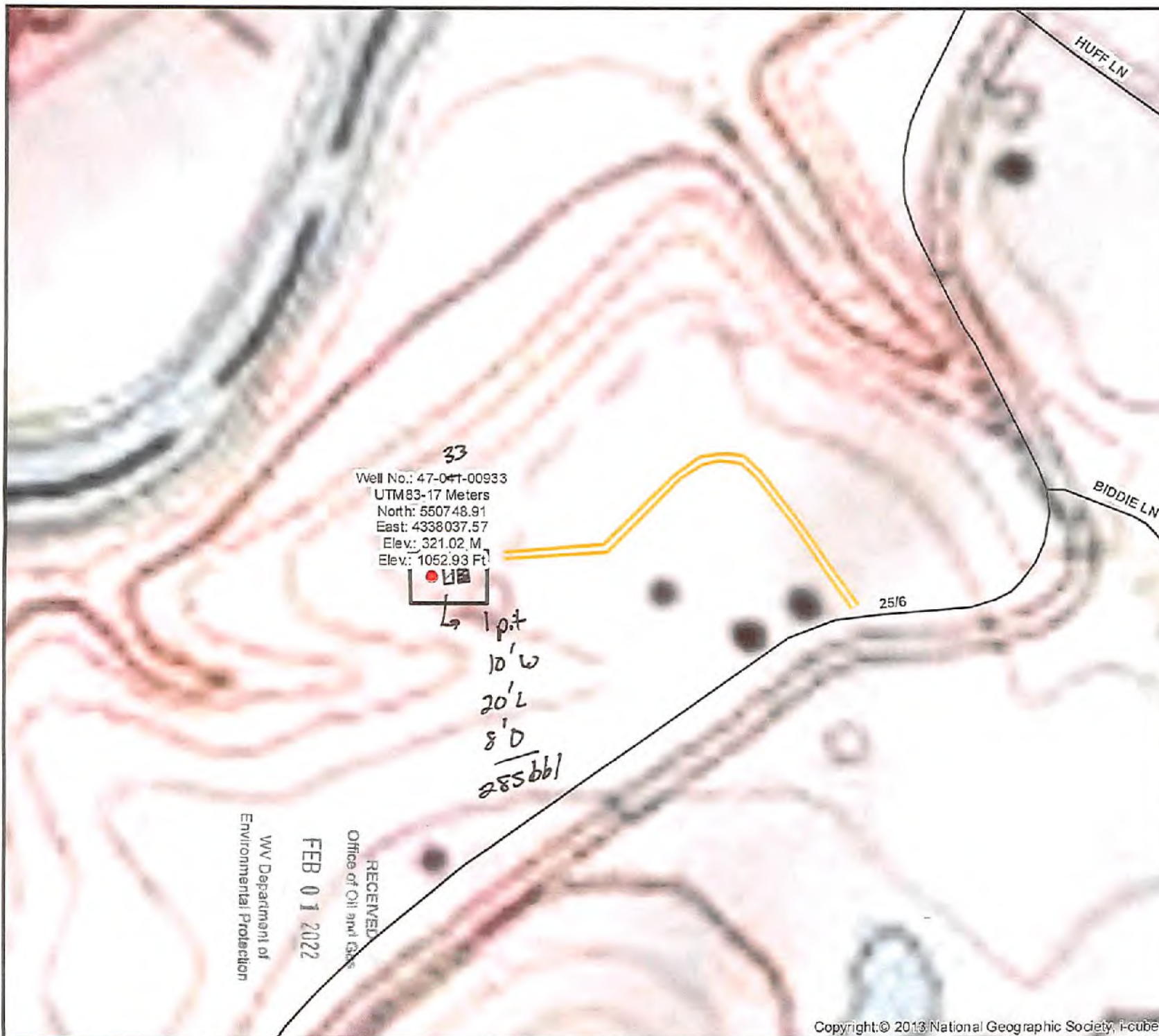
Diversified Gas & Oil
Corporation
100 Diversified Way
Pikeville KY, 41051

33
47-041-00933

Plugging Map

Legend

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

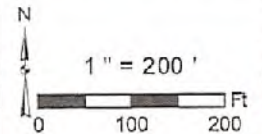


33
Well No.: 47-041-00933
UTM83-17 Meters
North: 550748.91
East: 4338037.57
Elev.: 321.02 M
Elev.: 1052.93 Ft



1 pt
10' W
20' L
8' D
199538

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FEB 01 2022



4703300933P

WW-7
8-30-06



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

API: 47-033-00933 WELL NO. A-547

FARM NAME: Hiram Munday

RESPONSIBLE PARTY NAME: Diversified Production LLC

COUNTY: Harrison DISTRICT: Grant

QUADRANGLE: Weston

SURFACE OWNER: Larry D. Myers Revocable Trust

ROYALTY OWNER: Diversified Production LLC

UTM GPS NORTHING: 4,338,037.57

UTM GPS EASTING: 550,748.91 GPS ELEVATION: 1,052'

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 _____

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FEB 01 2022

WV Department of Environmental Protection

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.

[Signature]
Signature

Director Technical Services
Title

1/31/2022
Date



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

Plugging Vertical Well Work Permit API: 47-033-00933)

1 message

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

Wed, Feb 16, 2022 at 2:15 PM

To: "Mast, Jeff" <jmast@dgo.com>, dpalmer@harrisoncountywv.com, mcopeland@harrisoncountywv.com, "Ward, Samuel D" <samuel.d.ward@wv.gov>

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


47-033-00933 - 3-A-547


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

 **IR-8 Blank.pdf**
216K

 **47-033-00933 - Copy.pdf**
1158K

02/18/2022