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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)

Thursday, April 28, 2022  
WELL WORK PLUGGING PERMIT  
Horizontal Plugging

DIVERSIFIED PRODUCTION LLC  
101 MCQUISTON DRIVE  
JACKSON CENTER, PA 16133

Re: Permit approval for NCEE 1110HN  
47-053-00528-00-00

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: NCEE 1110HN  
Farm Name: BARNETTE, BRYAN  
U.S. WELL NUMBER: 47-053-00528-00-00  
Horizontal Plugging  
Date Issued: 4/28/2022

Promoting a healthy environment.

04/29/2022

## 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

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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.

4705300528P

WW-4B  
Rev. 2/01

1) Date March 4, 2022  
2) Operator's  
Well No. NCEE 1110 HN  
3) API Well No. 47-053 - 00528

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 870.72 feet Watershed Bill King Branch  
District Union County Mason Quadrangle Elmwood

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 Joe Taylor Name Diversified Production, LLC (In-house rig)  
Address 1478 Claylick Road Address 1951 Pleasantview Ridge Road  
Ripley, WV 25271 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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Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector  Date 3-11-22

04/29/2022

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### Plugging Prognosis

API #: 4705300528

West Virginia, Mason Co.

Lat/Long: 38.7216895, -81.82763572

Nearest ER: Jackson General Hospital, 122 Pinnell St, Ripley, WV 25271

### Casing Schedule:

13-3/8" @ 42'

9-5/8" @ 304' (cemented to surface w/ 110 sx)

7" @ 2668' (cemented to surface w/ 435 sx)

TD @ 2668'

Well Not Completed – Plan was to drill laterally at later date

Fresh Water: 1345'

Salt Water: None listed

Gas Shows: None listed

Oil Shows: None listed

Coal: None listed

Elevation: 870'

1. Notify Inspector Joe Taylor @ 304-380-7469, 48 hrs prior to commencing operations.
2. Check and record pressures on csg/tbg.
3. Check TD w/ wireline.
4. Run in to depth @ 2668'. Kill well as needed with 6% bentonite gel and fill rat hole. Pump at least 10 bbls gel. Pump 100' C1A cement plug from 2668' to 2568' (bottom hole plug). Tag TOC. Top off as needed.
5. TOOH w/ tbg to 2568'. Pump 6% bentonite gel from 2568' to 1395'.
6. TOOH w/ tbg to 1395'. Pump 100' C1A cement plug from 1395' to 1295' (freshwater plug).
7. TOOH w/ tbg to 1295'. Pump 6% bentonite gel from 1295' to 870'.
8. TOOH w/ tbg to 870'. Pump 100' C1A cement plug from 870' to 770' (elevation plug).
9. TOOH w/ tbg to 770'. Pump 6% bentonite gel from 770' to 354'.
10. TOOH w/ tbg to 354'. Pump 100' C1A cement plug from 354' to 254' (9-5/8" csg shoe plug).
11. TOOH w/ tbg to 254'. Pump 6% bentonite gel from 254' to 100'.
12. TOOH w/ tbg to 100'. Pump 100' C1A cement plug from 100' to Surface (13-3/8" csg shoe and surface plug).
13. Reclaim location and well road to WV DEP specifications and erect P&A well monument.

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3-11-22

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JUN 05 2009  
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4705300528P

15-Sep-08  
47-053-00528

**STATE OF WEST VIRGINIA**  
Division of Environmental Protection  
Office of Oil and Gas

**WELL OPERATOR'S REPORT of WELL WORK**

Farm Name: BRYAN BARNETTE Operator Well No.: NCEE-1110HS  
 Location: Elevation: 870 7.5' Quad.: ELMWOOD  
 District: UNION County: MASON  
 Latitude: 10,350 Feet South of 38 Deg. 45 Min. 00 Sec.  
 Longitude: 10,300 Feet West of 81 Deg. 47 Min. 30 Sec.

Company: **North Coast Energy Eastern, Inc.**  
P. O. BOX 8  
RAVENSWOOD, WV 26164

Agent: Jon Ullom  
 Inspector: Jamie Stevens  
 Permit Issued: 09/15/08  
 Well Work Commenced (spud): 11/10/08  
 Well Work Completed (T.D.): 11/12/08  
 Verbal Plugging  
 Permission Granted on:  
 Rotary X Cable        Rig  
 Total Depth (feet): TVD: 2707  
 Fresh Water Depths (feet):  
1" stream at 1345'  
 Salt Water Depths (feet):  
 Is coal being mined in area? No  
 Coal Depths (ft): None Found

Casing & Tubing (Size-O.D.)	Used in Drilling (feet)	Left in Well (feet)	Cement Type (sacks)
13 3/8	42	42	None
9 5/8"	304	304	110 SX
7"	2668	2668	435 SX

**OPEN FLOW DATA**

Producing formation NA 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

2nd producing form. NA 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: Initial Open-flows are natural flows without stimulation.

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 GEOLOGIC RECORD OF ALL FORMATIONS, INCLUDING COAL, ENCOUNTERED BY THE WELLBORE.

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For: Jon Ullom  
**NORTH COAST ENERGY Eastern, Inc.**  
 By: Jon Ullom  
 Date: 1-Jun-09

04/29/2022

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WR-35  
(Reverse)API / Permit #: 47-053-00528  
North Coast Well #: NCEE-1110HS  
Elevation: 870 GL 880 KB**DETAILS OF PERFORATING, FRACTURING, OR PHYSICAL CHANGE, ETC.**

NO STIMULATION TO DATE HAS BEEN PLACED ON THIS WELL  
THIS WELL WILL BE DRILLED LATERALLY THROUGH THE HURON SHALE IN THE NEAR FUTURE

**WELL LOG**

ROCK TYPE OR FORMATION NAME	TOP (TVD)	BOTTOM (TVD)	REMARKS
SHALE & SAND	0	1112	
LITTLE DUNKARD	1112	1310	
BIG DUNKARD	1310	1460	
BIG LIME (GREENBRIER)	1896	2036	
SHALE	2036	2086	
BIG INJUN SAND	2086	2202	
SHALE	2202	2503	
COFFEE SHALE (SUNBURY)	2503	2526	
BEREA SAND	2526	2538	
SHALE	2538		
"GREY" SHALE (CHAGRIN?)			
BROWN SHALE (LOWER HURON)			
TOTAL MEASURED DEPTH		2707	
TRUE VERTICAL DEPTH of Well Bottom at TD		2707	

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4705300528P

WW-4A  
Revised 6-07

1) Date: March 4, 2022  
2) Operator's Well Number: NCEE 1110 HN  
3) API Well No.: 47 - 053 - 00528

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>Bryan Bernelle</u>	Name <u>None</u>
Address <u>7540 Ohio River Road</u>	Address _____
<u>Point Pleasant, WV 25550</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>None</u>
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Joe Taylor</u>	(c) Coal Lessee with Declaration
Address <u>1478 Claylick Road</u>	Name <u>No Declaration</u>
<u>Ripley, WV 25271</u>	Address _____
Telephone <u>304-380-7469</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  
 His: Director Technical Services  
 Address: 414 Summers Street  
Charleston, WV 25301  
 Telephone: 304-543-6988

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WV Department of Environmental Protection

Subscribed and sworn before me this 4th day of March 2022  
Phyllis A. Copley Notary Public  
 My Commission Expires September 18, 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](mailto:depprivacyofficer@wv.gov).

04/29/2022

NCEE 1110 HW  
47-053-00528 P

7020 3160 0000 1694 9893

**U.S. Postal Service™**  
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*Domestic Mail Only*

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.

Point Pleasant, WV 25550

Certified Mail Fee	\$3.75
\$	\$3.05
Extra Services & Fees (check box, add fee as appropriate)	\$0.00
<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 \$1.76

Total \$8.56

Postmark Here: 0510 2 03/08/2022

USPS 05510-9998

OFFICIAL USE

PS Form 3800, June 2010

Instructions

7020 3160 0000 1694 9893

NCEE 1111 HS and NCEE 1110 HN  
Bryan Barnette  
7540 Ohio River Road  
Point Pleasant, WV 25550

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Environmental Protection

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WW-9  
(5/16)

API Number 47 - 053 - 00528  
Operator's Well No. NCEE 1110 HN

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) Bill King Branch Quadrangle Elmwood

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 Permit UIC2D0392327 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

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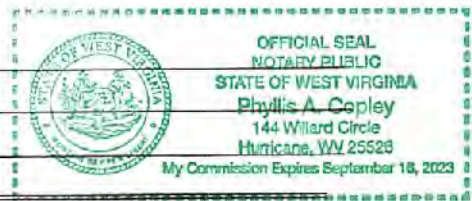
Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

WV Department of Environmental Protection

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 Technical Services



Subscribed and sworn before me this 7th day of March, 2022

Phyllis A. Copley Notary Public

My commission expires September 16, 2023

[Signature]

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

Lime 3 Tons/acre or to correct to pH 605

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: OC Inspector Date: 2-11-22

Field Reviewed?  Yes  No



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

47-053-00528  
47-053-00529

Plugging Map

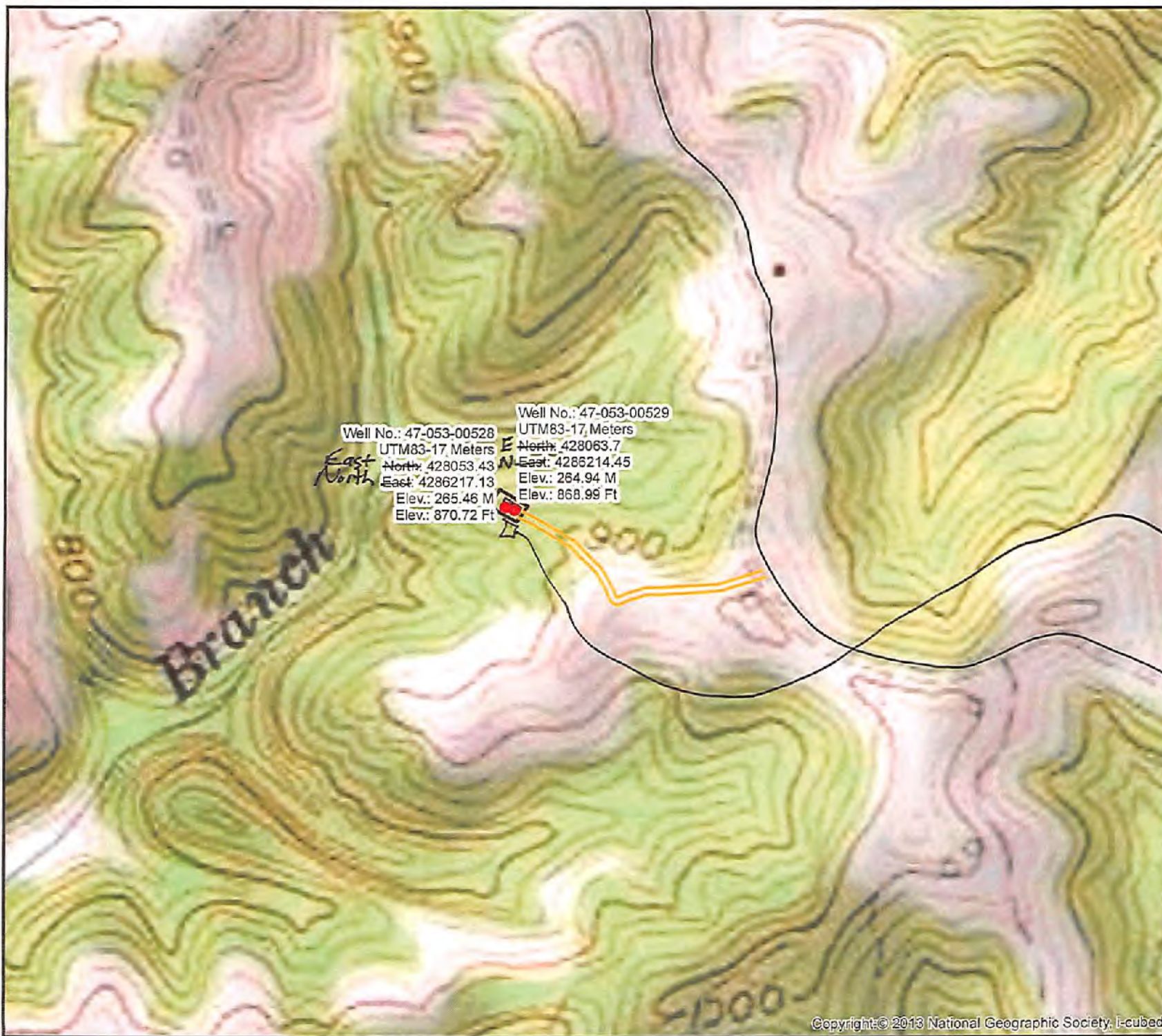
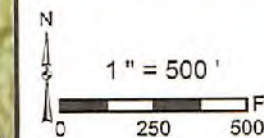
### Legend

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

1 Pit

10' W  
20' L  
8' D

285 bbl



Well No.: 47-053-00528  
UTM83-17, Meters  
North: 428053.43  
East: 4286217.13  
Elev.: 265.46 M  
Elev.: 870.72 Ft

Well No.: 47-053-00529  
UTM83-17, Meters  
North: 428063.7  
East: 4286214.45  
Elev.: 264.94 M  
Elev.: 868.99 Ft

47-053-00528P



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

API: 47-053-00528 WELL NO.: NCEE 1110 HN

FARM NAME: Bryan Barnette

RESPONSIBLE PARTY NAME: Diversified Production LLC

COUNTY: Mason DISTRICT: Union

QUADRANGLE: Elmwood

SURFACE OWNER: Bryan Barnette

ROYALTY OWNER: DP Bluegrass LLC

UTM GPS NORTHING: 4286217.13

UTM GPS EASTING: 428053.43 GPS ELEVATION: 870.72

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.

*Austin Suttler*  
Signature

Digitally signed by Austin Suttler  
Date: 2022.02.24 14:14:02  
-05'00'

Sr. Proj. Manager  
Title

2/24/2022  
Date

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*[Handwritten Signature]* 04/29/2022



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

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**Plugging Vertical Well Work Permit (API: 47-035-02818, 47-053-00528, 47-053-00529)**

1 message

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

Thu, Apr 28, 2022 at 9:17 AM

To: "Mast, Jeff" &lt;jmast@dgoc.com&gt;, "Taylor, Joseph D" &lt;joseph.d.taylor@wv.gov&gt;

Cc: Brian Thomas &lt;bkthomas@jacksoncountywv.com&gt;, Aimee Duncan &lt;aduncan@wvassessor.com&gt;

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

**47-035-02818 - PERKINS 510782****47-053-00528 - NCEE 1110HN****47-053-00529 - NCEE 1111HS**

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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**6 attachments** **47-053-00528 - Copy.pdf**  
883K **47-053-00529 - Copy.pdf**  
1919K **47-035-02818 - Copy.pdf**  
2744K **IR-8 Blank.pdf**  
233K **IR-8 Blank.pdf**  
233K **IR-8 Blank.pdf**  
233K**04/29/2022**