



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 28, 2022
WELL WORK PLUGGING PERMIT
Horizontal Plugging

DIVERSIFIED PRODUCTION LLC
101 MCQUISTON DRIVE
JACKSON CENTER, PA 16133

Re: Permit approval for NCEE 1111HS
47-053-00529-00-00

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 1111HS
Farm Name: BARNETTE, BRYAN
U.S. WELL NUMBER: 47-053-00529-00-00
Horizontal Plugging
Date Issued: 4/28/2022

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 March 4, 2022
2) Operator's
Well No. NCEE 1111 HS
3) API Well No. 47-053 - 00529

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 868.99 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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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  Date 3-11-22

Plugging Prognosis

API #: 4705300529

West Virginia, Mason Co.

Lat/Long: 38.72166617, -81.82751737

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

Casing Schedule:

13-3/8" @ 44'

9-5/8" @ 303' (cemented to surface w/ 117 sx)

7" @ 2651' (cemented to surface w/ 430 sx)

TD @ 2651'

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

Fresh Water: 1186'

Salt Water: None listed

Gas Shows: None listed

Oil Shows: None listed

Coal: None listed

Elevation: 875'

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 @ 2651'. Kill well as needed with 6% bentonite gel and fill rat hole. Pump at least 10 bbls gel. Pump 100' C1A cement plug from 2651' to 2561' (bottom hole plug). Tag TOC. Top off as needed.
5. TOOH w/ tbg to 2561'. Pump 6% bentonite gel from 2561' to 1236'.
6. TOOH w/ tbg to 1236'. Pump 100' C1A cement plug from 1236' to 1136' (freshwater plug).
7. TOOH w/ tbg to 1136'. Pump 6% bentonite gel from 1136' to 875'.
8. TOOH w/ tbg to 875'. Pump 100' C1A cement plug from 875' to 775' (elevation plug).
9. TOOH w/ tbg to 775'. Pump 6% bentonite gel from 775' to 353'.
10. TOOH w/ tbg to 353'. Pump 100' C1A cement plug from 353' to 253' (9-5/8" csg shoe plug).
11. TOOH w/ tbg to 253'. Pump 6% bentonite gel from 253' 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

04/29/2022

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WR-35

4705300529P

15-Sep-08
47-053-00529

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

MS

WELL OPERATOR'S REPORT of WELL WORK

Farm Name: BRYAN BARNETTE Operator Well No.: NCEE-1111HS
 Location: Elevation: 875 7.5' Quad.: ELMWOOD
 District: UNION County: MASON
 Latitude: 10,350 Feet South of 38 Deg. 45 Min. 00 Sec.
 Longitude: 10,250 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): 10/30/08
 Well Work Completed (T.D.): 11/05/08
 Verbal Plugging
 Permission Granted on:
 Rotary X Cable Rig
 Total Depth (feet): TVD: 2700
 Fresh Water Depths (feet):
1" stream at 1186'
 Salt Water Depths (feet):

Casing & Tubing (Size-O.D.)	Used in Drilling (feet)	Left in Well (feet)	Cement Type (sacks)
13 3/8	44	44	None
9 5/8"	303	303	117 SX
7"	2651	2651	430 SX

Is coal being mined in area? No
 Coal Depths (ft): None Found

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

4705300529P

WR-35
(Reverse)

API / Permit #: 47-053-00529
 North Coast Well #: NCEE-1111HS
 Elevation: 875 GL 885 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	1117	1315	
BIG DUNKARD	1315	1465	
BIG LIME (GREENBRIER)	1901	2041	
SHALE	2041	2091	
BIG INJUN SAND	2091	2207	
SHALE	2207	2508	
COFFEE SHALE (SUNBURY)	2508	2531	
BEREA SAND	2531	2543	
SHALE	2538		
"GREY" SHALE (CHAGRIN?)			
BROWN SHALE (LOWER HURON)			
TOTAL MEASURED DEPTH		2700	
TRUE VERTICAL DEPTH of Well Bottom at TD		2700	

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 Environmental Protection

04/29/2022

WW-4A
Revised 6-07

1) Date: March 4, 2022
2) Operator's Well Number
NCEE 1111 HS
3) API Well No.: 47 - 053 - 00529

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 Barnette</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 Claylck 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
 Title: Director Technical Services
 Address 414 Summers Strret
Charleston, WV 25301
 Telephone 304-543-6988

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MAR 10 2022

WV Department of
Environmental Protection

Subscribed and sworn before me this 7th 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 depprivacyoffier@wv.gov.

04/29/2022

NCEE 1111 HS
47-053-00529A

7020 3160 0000 1694 9893

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

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

Point Pleasant, WV 25550

Certified Mail Fee	\$3.75
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$3.05
<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

OFFICIAL USE
CULLODEN WV 0510
MAR 8 2022
Postmark Here
USPS 25510-9998 03/08/2022

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

PS Form 3800, October 2019

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MAR 10 2022

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WW-9
(5/16)

4705300529A

API Number 47 - 053 - 00529
Operator's Well No. NCEE 1111 HS

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)
- Undergruound 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

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.

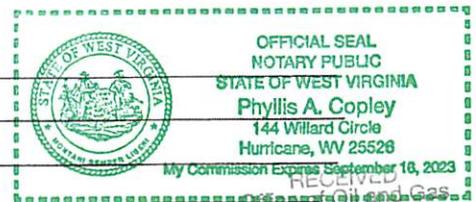
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations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



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

Phyllis A. Copley

Notary Public

My commission expires September 16, 2023

MAR 14 2022

W. Virginia Department of Environmental Protection

04/29/2022

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

Lime 3 Tons/acre or to correct to pH 6.05

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.

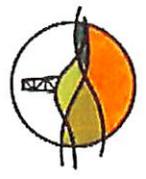
Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Joe Taylor

Comments: _____

Title: 006 Inspects. Date: 3-11-22

Field Reviewed? Yes No



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

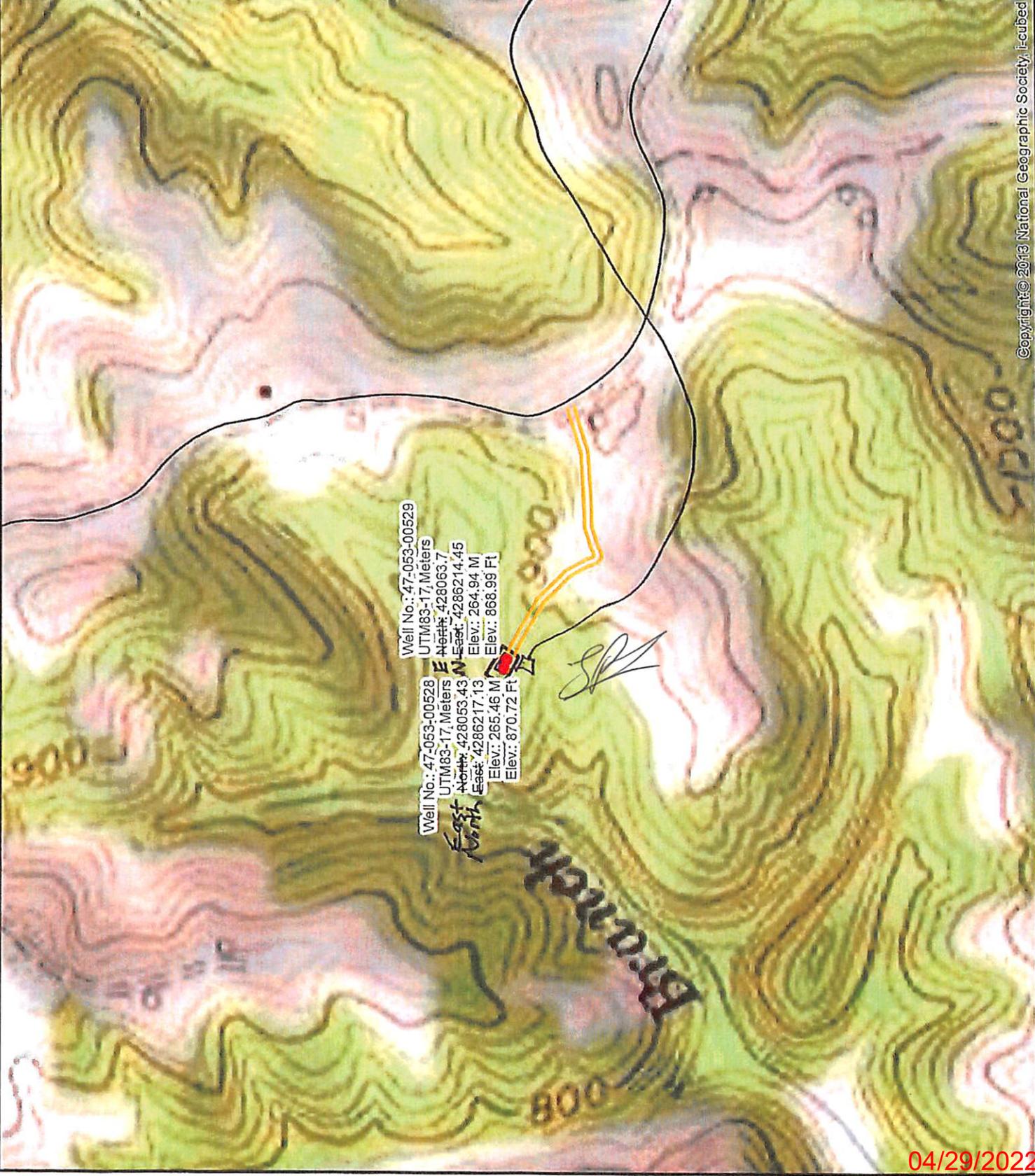
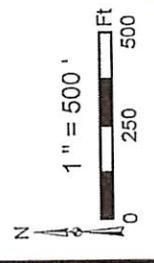
47-053-00528
47-053-00529

Plugging Map

Legend

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

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



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WW-7
8-30-06



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

API: 47-053-00529 WELL NO.: NCEE 1111 HS

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: 4286214.45

UTM GPS EASTING: 428063.7 GPS ELEVATION: 868.99

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.

Signature

Digitally signed by Austin Suttler
Date: 2022.02.24 14:21:50
-0500

Sr. Proj. Manager
Title

2/24/2022
Date

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

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" <jmast@dgoc.com>, "Taylor, Joseph D" <joseph.d.taylor@wv.gov>

Cc: Brian Thomas <bkthomas@jacksoncountywv.com>, Aimee Duncan <aduncan@wvassessor.com>

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**

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**