



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

Tuesday, August 10, 2021
WELL WORK PLUGGING PERMIT
Vertical Plugging

DIVERSIFIED PRODUCTION LLC
101 MCQUISTON DRIVE
JACKSON CENTER, PA 16133

Re: Permit approval for 2441
47-043-02055-00-00

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: 2441
Farm Name: OXLEY, S. W.
U.S. WELL NUMBER: 47-043-02055-00-00
Vertical Plugging
Date Issued: 8/10/2021

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.
4. This well is under a consent order and must be plugged within two years of the date of issuance of this permit.

1) Date July 19, 2021
2) Operator's Well No. 2441
3) API Well No. 47-043 - 02055

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 975 ft Watershed Sycamore Fork
District Union County Lincoln Quadrangle Hager

6) Well Operator Diversified Production LLC 7) Designated Agent Jeff Mast
Address P.O. Box 6070 Address P.O. Box 6070
Charleston, WV 25362 Charleston, WV 25362

8) Oil and Gas Inspector to be notified Name Terry Urban
Address P.O. Box 1207
Clendenin, WV 25045
9) Plugging Contractor Name Diversified Production LLC (In-house Rig)
Address 1951 Pasantview Ridge Road
Ravenswood, WV 26164

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

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WV Department of Environmental Protection

See Attached

OPERATOR to pull all free pipe, cover with ^{dry} cement All OIL & GAS Formations Including Elevation, Salt, Water COAL Formations

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 7-26-21

08/13/2021

PLUGGING PROGNOSIS

API# 47-043-02055

West Virginia, Lincoln County

38.1937693610001, -82.0281541476102

Nearest ER: Boone Memorial Hospital, 701 Madison AVE, Madison, WV 25130

Casing Schedule

10 3/4" csg @ 22'

8 1/4" csg @ 267'

7" csg @ 1745'

3 1/2" tbg @ 2458' Packer @ 2060'

TD 2458'

Completion: Shot**Fresh Water:** 340'**Salt Water:** 1055'**Gas Shows:** Berea 2383'-2393'**Oil Show:** None Recorded**Coal:** None Recorded**Elevation:** 1050'

1. Notify Inspector Terry Urban @ 304-549-5915, 48 hours prior to commencing operations.
2. Check and record pressures on csg and tbg.
3. Check TD w/ wireline.
4. Attempt to pull 3 1/2" tbg. If unable to pull RIH w wireline. Perf 3 1/2" tbg @ 2388', 2338', 2288' and 2055'.
5. TIH w/ tbg to 2393'. Kill well as needed with 6% bentonite gel. Pump 110' C1A cement plug from 2393'-2283' (Berea gas show). Check TOC. Top off as needed.
6. TOO H w/ tbg to 2283'. Pump 6% bentonite gel from 2283'-1795'. TOO H LD tbg.
7. Freepoint, cut, and pull 3 1/2" tbg.
8. TIH w/ tbg to 1795'. Pump 100' C1A cement plug from 1795'-1695' (7" csg st).
9. TOO H w/ tbg to 1695'. Pump 6% bentonite gel from 1695'-1105'. TOO H LD tbg.
10. Free point 7" csg. Cut and TOO H. Set 100' C1A cement plug across csg cut. 50' in/out of cut. Do not omit any plugs listed below. Perforate as needed.
11. TIH w/ tbg to 1105'. Pump 155' C1A cement plug from 1105'-950' (Elevation & Salt water).
12. TOO H w/ tbg to 950'. Pump 6% bentonite gel from 950'-390'.
13. TOO H w/ tbg to 390'. Pump 175' C1A cement plug from 390'-215' (Fresh water & 8 1/4" csg st).
14. TOO H w/ tbg to 215'. Pump 6% bentonite gel from 215'-100'. TOO H LD tbg.
15. Free point 8 1/4" csg. Cut and TOO H. Set 100' C1A cement plug across csg cut. 50' in/out of cut. Do not omit any plugs listed below. Perforate as needed.
16. TIH w/ tbg to 100'. Pump 100' C1A cement plug from 100'-0' (Surface). TOO H LD tbg.
17. Erect monument with API#, date plugged, and company name.
18. Reclaim location and road to WV-DEP specifications.

Agnes M. Mela 7-26-21
SEE previous page

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043-2055

FORM U-17 *JWP*

UNITED FUEL GAS COMPANY
(INCORPORATED)

Serial Well No. 2441 Lease No. 1365 Map Square. 40-47

RECORD OF WELL No. <u>2441</u> on the <u>S.W. Oxley</u> Farm of <u>101 1/2</u> Acres in <u>Union</u> District <u>Lincoln</u> County <u>Branchland</u> Field, State of <u>West Va.</u>			CASING AND TUBING Size Used in Left in Drilling Well			TEST BEFORE SHOOT 40/10 of Water in 2" inch 10ths of Merc. in inch 10ths Volume <u>304000</u> gal. ft.		
Rig Commenced <u>Oct. 1, 1927.</u> 102 Rig Completed <u>Oct. 7, 1927.</u> 102 Drilling Commenced <u>Oct. 11, 1927</u> 102 Drilling Completed <u>Dec. 9, 1927.</u> 102 Drilling to cost per foot Contractor is: <u>United Fuel Gas Company</u> Address: <u>Charleston, West Va.</u>			10 13 10 22'-1" 22'-1" 81-4 267' 267'- 65-8 1744-7" 1744- 7" 53-10 47-8 4 3 2480'-6" 2480'-6" 2			TEST AFTER SHOOT 30/10 of Water in 2" inch 10ths of Merc. in inch 10ths Volume <u>260000</u> gal. ft. Back pressure <u>400 1/2-24</u> lbs. Date shot Dec. <u>10, 1927.</u> Size of Torpedo <u>40</u> Quarts. Oil Flowed lbs. in 24 hrs. Oil Pumped lbs. in 24 hrs.		
Driller's Names <u>Walter Egnor</u> <u>Dick Horn</u>			SHUT IN Date <u>Jan. 6, 1928.</u> Tubing or Casing <u>3" Tubing</u> Size of Packer <u>3"x5-5/8" Anchor</u> Kind of Packer <u>Parnaco</u> 1st Perf. Set <u>10' On Bottom</u> <u>Top 52' Bottom</u> 2nd Perf. Set from			Well abandoned and plugged		

DRILLER'S RECORD

Formation	Top	Bottom	Thickness	Remarks
Surface		20	20	
Slate	20	45	25	
Sand	45	250	205	
Slate	250	275	25	Could not pull 8 1/2" casing.
Sand	275	360	85	Water at 340'
Slate	360	415	55	
Sand	415	645	230	
Slate	645	705	60	
Sand	705	915	210	
Salt Sand	1010	1215	205	Water at 1055
Slate Brak	1215	1220	5	
Sand	1220	1410	190	
Slate	1410	1450	40	
Sand	1450	1495	45	
Slate & Shells	1495	1515	20	
Maxon Sand	1515	1630	115	
Little Lime	1630	1690	60	
Pencil Cave	1690	1700	10	
Big Lime	1700	1885	185	6-5/8" casing set at 1720'-Steel Line
Red Rock	1885	1900	15	Meas. on 6-5/8"x8 1/2"x16" OWS B.H.Packer.
Big Injun Sand	1900	1940	40	
Slate & Shells	1940	2360	420	
Shale	2360	2381	21	
Berea Sand	2381	2408	27	Gas from 2383'to 2393'. Test 40/10 Water
Slate & Shells	2408	2458	50	thru 2" before shot. Test when tubed,
Total Depth		2458	2458	30/10 water thru 2" 26019

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043-2055

47-043-02055P

FORM U-100 (REV. 5-2-20)

Lease No. 1365

Continental Gas & Oil Co.

Map Square 70-17

UNITED FUEL GAS COMPANY

(INCORPORATED)

#2441

WELL LOCATION Frankford FIELD

Well No. 441, SW 1/4 Sec 1 Farm No. 101 1/2 Acres. On 1/2

Union Dist. Lincoln Co. West Virginia State

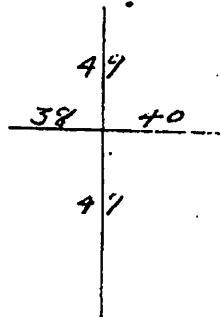
Scale 1" = 1320'

Location made by HG Minor Date July 7, 1927

Elevation 1050'

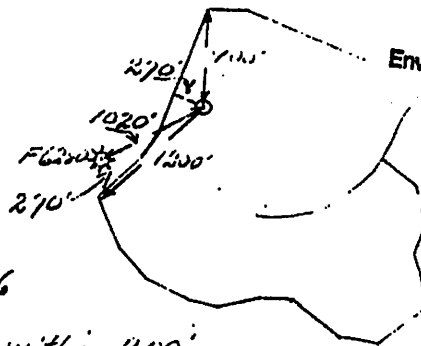
Unoperated.
No well to be drilled within
200 feet of the dwelling
house or barn.
Expires Aug. 7, 1928.
Class "E" Location.

John C. McE...



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WV Department of
Environmental Protection



Latitude
38° 11' 37"
Longitude
82° 1' 41"

Note book 186
Page 42
No buildings within 200'

Approved: 8-8, 1927 [Signature], Engineer
Approved: 8-16, 1927 [Signature], Vice President

Entered 1/16/21
[Signature]

08/13/2021

47-043-02055P

WW-4A
Revised 6-07

1) Date: July 19, 2021
2) Operator's Well Number
2441
3) API Well No.: 47 - 043 - 02055

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

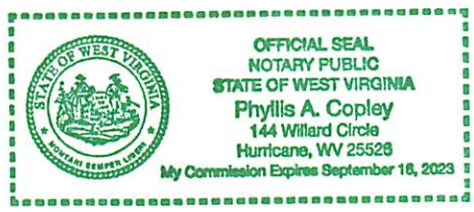
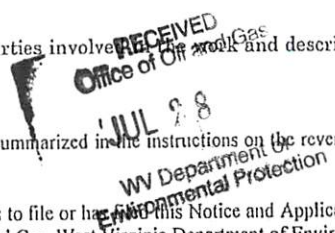
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Adam B. McCallister</u>	Name <u>None</u>
Address <u>P.O. Box 141</u>	Address _____
<u>Griffithsville, WV 25521</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>None</u>
_____	Address _____
(c) Name _____	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 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 have 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 P.O. Box 6070
Charleston, WV 25362
 Telephone 304-543-6988

Subscribed and sworn before me this 21st day of July, 2021
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.

08/13/2021

47-043-02055A

7019 1640 0000 1003 3698

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT <i>Domestic Mail Only</i>	
For delivery information, visit our website at www.usps.com ®.	
OFFICIAL USE	
Certified Mail Fee \$	
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy) \$	
<input type="checkbox"/> Return Receipt (electronic) \$	
<input type="checkbox"/> Certified Mail Restricted Delivery \$	
<input type="checkbox"/> Adult Signature Required \$	
<input type="checkbox"/> Adult Signature Restricted Delivery \$	
Postage \$	
Total Postage and Fees \$	802441
Sent To Adam B. McCallister	
Street and Apt. No., or PO Box No. PO Box 141	
City, State, ZIP+4® Griffithsville WV 25521	
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions	

08/13/2021

47-043-02055 P

WW-9
(5/16)

API Number 47 - 043 - 02055
Operator's Well No. 2441

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) Sycamore Fork Quadrangle Hager

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 TU

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 _____)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain All fluid recovered will be hauled to a Diversified Tank Battery and disposed of properly)

Will closed loop system be used? If so, describe: _____

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

-If oil based, what type? Synthetic, petroleum, etc. _____

Additives to be used in drilling medium? _____

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. _____

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

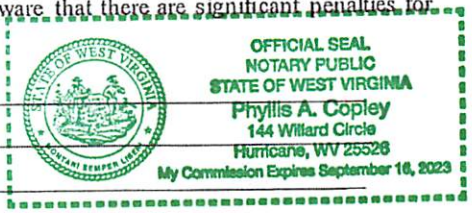
-Landfill or offsite name/permit number? _____

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 Production



Subscribed and sworn before me this 21st day of July, 2021

Phyllis A. Copley Notary Public

My commission expires September 16, 2023

08/13/2021

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:

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JUL 28 2021

WV Department of Environmental Protection

Title: Inspect Oil & Gas

Date: 7-26-21

Field Reviewed? (X) Yes () No



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

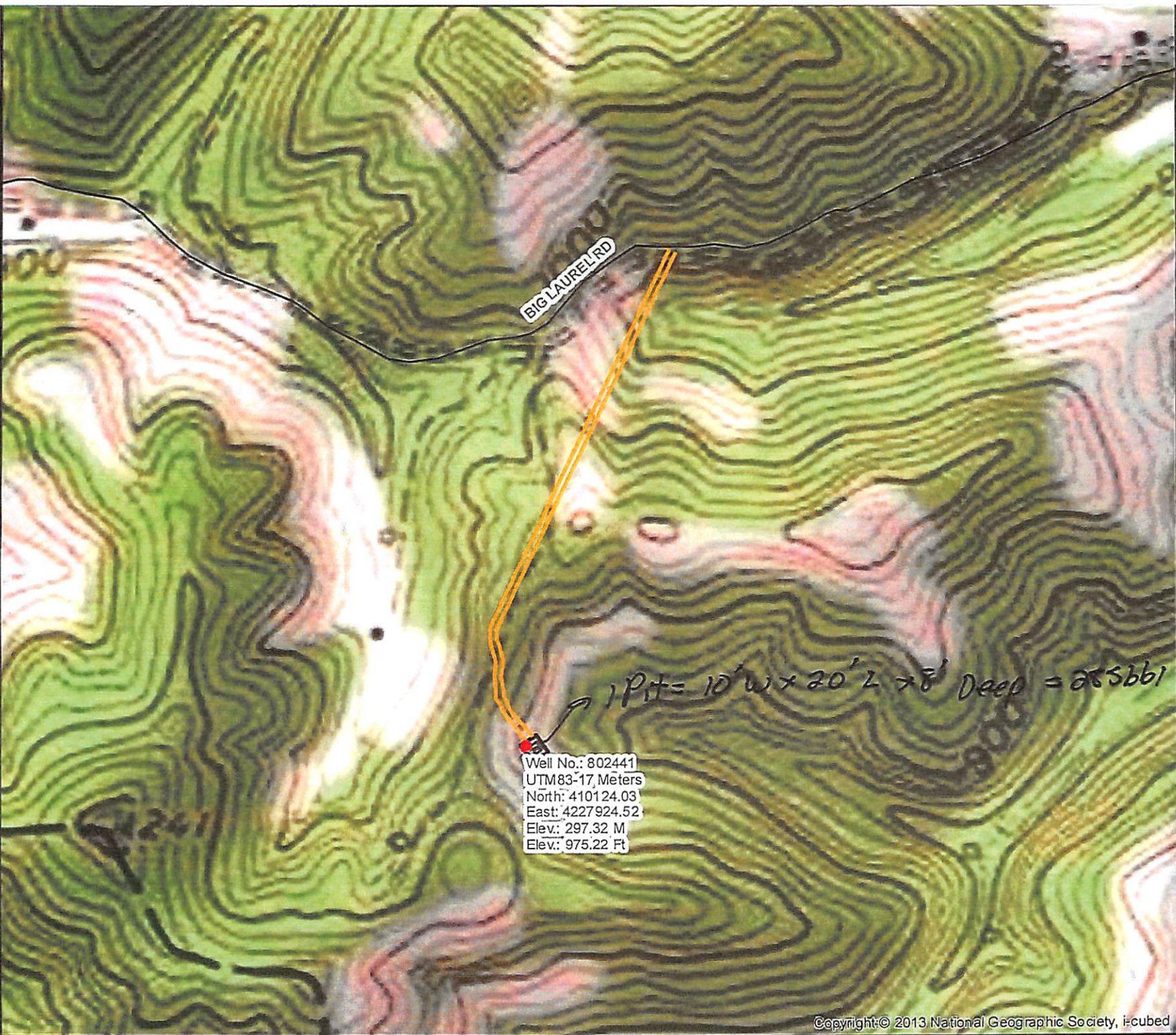
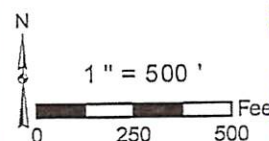
802441

Plugging Map

Legend

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

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BIG LAUREL RD

1 Pit = 10' W x 20' L x 8' Deep = 255 bbl

Well No.: 802441
UTM83-17, Meters
North: 410124.03
East: 4227924.52
Elev.: 297.32 M
Elev.: 975.22 Ft

47
843-0455
P

WW-7
8-30-06



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

API: 47-043-02055 WELL NO.: 2441

FARM NAME: Oxley, S.W.

RESPONSIBLE PARTY NAME: Diversified Production LLC

COUNTY: Lincoln DISTRICT: Union

QUADRANGLE: Hager

SURFACE OWNER: Adam B. McCallister

ROYALTY OWNER: Diversified Production LLC

UTM GPS NORTHING: 4,227,924.52

UTM GPS EASTING: 410,124.03 GPS ELEVATION: 975'

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, 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 X: Post Processed Differential X
Real-Time Differential ____

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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] Director Production 07/19/2021
Signature Title Date



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

Plugging Vertical Well Work Permit (API: 47-043-02055)

1 message

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

Tue, Aug 10, 2021 at 3:18 PM

To: "Mast, Jeff" <jmast@dgo.com>, "Urban, Terry W" <terry.w.urban@wv.gov>, Guy Browning <guybrowning@lincolncountywv.org>

I have attached a copy of the newly issued well permit number "6112", API (47-043-02055). This will serve as your copy.

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**
157K

 **47-043-02055 - Copy.pdf**
2433K

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