



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, October 12, 2021
WELL WORK PLUGGING PERMIT
Vertical Plugging

DIVERSIFIED PRODUCTION LLC
101 MCQUISTON DRIVE
JACKSON CENTER, PA 16133

Re: Permit approval for 1599
47-017-02409-00-00

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 white background.

James A. Martin
Chief

Operator's Well Number: 1599
Farm Name: WILLIAMS, J. T.
U.S. WELL NUMBER: 47-017-02409-00-00
Vertical Plugging
Date Issued: 10/12/2021

Promoting a healthy environment.

10/15/2021

H

4701702409P

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.

10/15/2021

4701702409P

WW-4B
Rev. 2/01

1) Date September 20, 2021
2) Operator's
Well No. 1599
3) API Well No. 47-017 - 02409

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 921 ft Watershed Isarel Fork
District Grant County Doddridge Quadrangle Smithburg
- 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

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

Work order approved by inspector *Sam Ward* Date 9/22/2021

10/15/2021

PLUGGING PROGNOSIS

API# 47-017-02409

West Virginia, Doddridge County

39.3285653993696, -80.6974623227091

Nearest ER: Stonewall Jackson Memorial Hospital, 230 Hospital Plaza, Weston, WV 26452

Casing Schedule

8 1/4" csg @ 1199'

6 5/8" csg @ 1786'

5 3/16" csg @ 1810'

TD @ 1966'

Completion:

- Shot

Fresh Water: None recorded

Salt Water: 1180'

Gas Shows: Injun 1936'-1944'

Oil Show: None Recorded

Coal: 414'

Elevation: 921'

1. Notify Inspector Sam Ward @ 304-389-7583, 48 hours prior to commencing operations.
2. Check and record pressures on csg.
3. Check TD w/ wireline.
4. TIH w/ tbg to 1944'. Kill well as needed with 6% bentonite gel. Pump 108' C1A cement plug from 1944'-1836' (Injun gas show). Tag cement and top off as needed. TOOH LD tbg.
5. Free point 5 3/16" csg. Cut and TOOH. Set 100' C1A cement plug across csg cut. 50' in/out of cut. Do not omit any plugs listed below. Perforate as needed.
6. TIH w/ tbg to 1836'. Pump 100' C1A cement plug from 1836'-1736' (6 5/8" csg st).
7. TOOH w/ tbg to 1736'. Pump 6% bentonite gel from 1736'-1249'. TOOH LD tbg.
8. Free point 6 5/8" csg. Cut and TOOH. Set 100' C1A cement plug across csg cut. 50' in/out of cut. Do not omit any plugs listed below. Perforate as needed.
9. TIH w/ tbg to 1249'. Pump 119' C1A cement plug from 1249'-1130' (8 1/4" csg st and salt water).
10. TOOH w/ tbg to 1130'. Pump 6% bentonite gel from 1130'-921'. TOOH LD tbg.
11. Free point 8 1/4" csg. Cut and TOOH. Set 100' C1A cement plug across csg cut. 50' in/out of cut. Do not omit any plugs listed below. Perforate as needed.
12. TIH w/ tbg to 921'. Pump 100' C1A cement plug from 921'-821' (elevation).
13. TOOH w/ tbg to 821'. Pump 6% bentonite gel from 821'-464'.
14. TOOH w/ tbg 464'. Pump 100' C1A cement plug from 464'-364' (Coal).
15. TOOH w/ tbg to 364'. Pump 6% bentonite gel from 364'-100'.
16. TOOH w/ tbg to 100'. Pump 100' C1A cement plug from 100'-0' (Surface). TOOH LD tbg.
17. Erect monument with API#, date plugged, and company name.
18. Reclaim location and road to WV-DEP specifications.

S Dew
9/27/2021

4701702409P

Form OG-10



RECEIVED

MAR 31 1970

000-2409

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

OIL & GAS DIVISION
Rotary
Spudder
Cable Tools
Storage

Quadrangle CENTERPOINT

WELL RECORD

Oil or Gas Well Gas (KIND)

Permit No. - -

Company Consolidated Gas Supply Corporation
Address Clarksburg, W. Va.
Farm J. T. Williams Acres 16
Location (waters) _____
Well No. 1599 Elev. 921'
District Grant County Doddridge
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced 2-23-10
Drilling completed 3-30-10
Date Shot 2-6-11 From INJUN To _____
With 12 Qts.
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume Old well exhausted - Will Frac Cu. Ft.
Rock Pressure Not taken lbs. _____ hrs.
Oil None bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) No
WELL FRACTURED (DETAILS) Preparing to frac

Casing and Tubing Size	Used in Drilling	Left in Well	Packers
16			Kind of Packer _____
13			
10	98	None	Size of _____
8 3/4	1199	1199	
6 3/4	1786	1786	Depth set _____
5 3/16	1810	1810	
4 1/2			
3			Perf. top _____
2	1931	None	Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

Attach copy of cementing record. No cementing
CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
Amount of cement used (bags) _____
Name of Service Co. _____
COAL WAS ENCOUNTERED AT 414 FEET 24 INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.)

ROCK PRESSURE AFTER TREATMENT _____ HOURS
Fresh Water None Feet _____ Salt Water 1180' Feet _____
Producing Sand Injun Will frac to increase production Depth 1816-1946'

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Pittsburgh Coal			414	416			
Dunkard Sand			830	1015			
Salt Sand			1175	1421	Water	1180'	Salt
Marion Sand			1560	1602			
Injun Sand			1816	1946	Gas	1936'-1946'	
Total Depth				1966'			

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Office of Oil and Gas

SEP 28 2021

WV Department of
Environmental Protection

Consolidated Gas Supply Corporation
445 West Main Street
Clarksburg, W. Va.

(over)

10/15/2021

WW-4A
Revised 6-07

1) Date: September 20, 2021
2) Operator's Well Number
1589

3) API Well No.: 47 - 017 - 02409

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

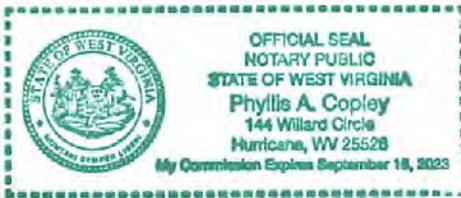
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Edward L. Snyder</u>	Name <u>None</u>
Address <u>827 New Valley Road</u> <u>Marysville, PA 17053</u>	Address _____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Arthur Havenner</u>
(c) Name _____	Address <u>1317 Tulare Drive</u> <u>Davis, CA 95616</u>
Address _____	Name _____
Address _____	Address _____
6) Inspector <u>Sam Ward</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 2327</u> <u>Buckhannon, WV 26201</u>	Name <u>No Declaration</u>
Telephone <u>304-389-7583</u>	Address _____

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
 Its: Director Production
 Address 414 Summers Street
Charleston, WV 25301
 Telephone 304-543-6988

Subscribed and sworn before me this 27th day of September, 2021
Phyllis A. Copley Notary Public
 My Commission Expires September 16, 2023

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WV Department of
Environmental Protection

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.

10/15/2021

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Well: 1599
47-017-02409

7020 2450 0001 5225 2324

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

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

Marysville, PA 17053

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
Total Postage and Fees	\$8.36

Postmark Here: 0523 03
09/27/2021

Sent To: Edward K Snyder
Street and Apt. No., or PO Box No: 827 New Valley Rd
City, State, ZIP+4®: Marysville, PA 17053

Well 1599

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

7020 2450 0001 5225 2317

**U.S. Postal Service™
CERTIFIED MAIL® RECEIPT**
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For delivery information, visit our website at www.usps.com®.

Davis, CA 95616

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
Total Postage and Fees	\$8.36

Postmark Here: 0523 03
09/27/2021

Sent To: Arthur Navenner
Street and Apt. No., or PO Box No: 1317 Lubare Drive
City, State, ZIP+4®: Davis CA 95616

Well 1599

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

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10/15/2021

4701702409P

WW-9
(5/16)

API Number 47 - 017 - 02409
Operator's Well No. 1599

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 484524121

Watershed (HUC 10) Isarel Fork Quadrangle Smilthburg

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? _____

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection (UIC Permit Number 4709300103)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain _____)

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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 WV Department of Environmental Protection

-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 _____

Company Official (Typed Name) Jeff Mast

Company Official Title Director Production



OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
Phyllis A. Copley
144 Willard Circle
Hurricane, WV 25528
My Commission Expires September 16, 2023

Subscribed and sworn before me this 27th day of September, 2021

Phyllis A. Copley Notary Public

My commission expires September 16, 2023

10/15/2021

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:

Title: COG Inspector

Date: 9/27/2021

Field Reviewed?

() Yes

(X) No

4701702409P



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

47-017-02409

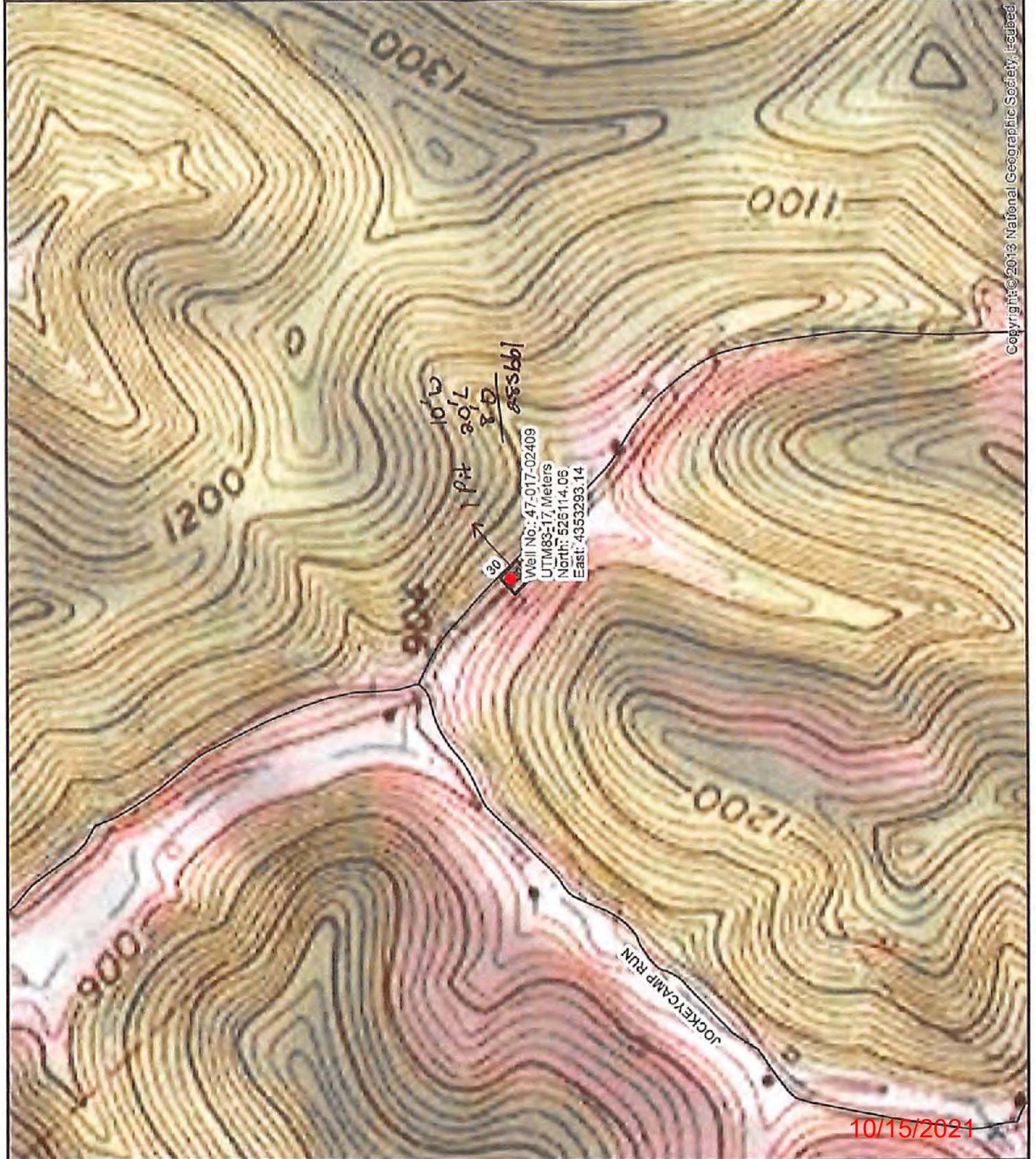
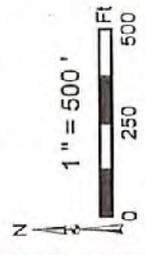
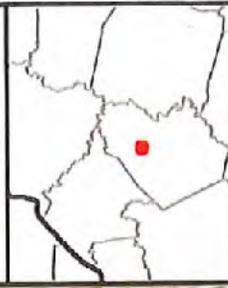
Plugging Map

Legend

- Well
- == Access Road
- ▨ Pits
- Pad

Public Roads

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WV Department of
Environmental Protection



10/15/2021

4701702409P

WW-7
8-30-06



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

API: 47-017-02409 WELL NO.: 1599

FARM NAME: Williams, J.T.

RESPONSIBLE PARTY NAME: Diversified Production LLC

COUNTY: Doddridge DISTRICT: Grant

QUADRANGLE: Smithburg

SURFACE OWNER: Edward L. Snyder

ROYALTY OWNER: Diversified Production LLC

UTM GPS NORTHING: 4,353,293.1

UTM GPS EASTING: 526,114.0 GPS ELEVATION: 921

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]
Signature

Director Production
Title

9/16/2021
Date

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WV Department of
Environmental Protection

10/15/2021



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

Plugging Vertical Well Work Permit (API: 47-017-02409)

1 message

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

Wed, Oct 13, 2021 at 10:13 AM

To: "Mast, Jeff" <jmast@dgo.com>, "Ward, Samuel D" <samuel.d.ward@wv.gov>, David Sponaugle <dsponaug@assessor.state.wv.us>

I have attached a copy of the newly issued well [permit](#) number "459", **API (47-017-02409)**. 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**
179K

 **47-017-02409 - Copy.pdf**
919K

10/15/2021