



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, September 21, 2021
WELL WORK PLUGGING PERMIT
Vertical Plugging

DIVERSIFIED PRODUCTION LLC
101 MCQUISTON DRIVE
JACKSON CENTER, PA 16133

Re: Permit approval for 2
47-017-00190-00-00

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: 2
Farm Name: HAUGHT, MARVEL
U.S. WELL NUMBER: 47-017-00190-00-00
Vertical Plugging
Date Issued: 9/21/2021

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4701700190P

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.

09/24/2021

WW-4B
Rev. 2/01

1) Date August 19, 2021
2) Operator's
Well No. 2
3) API Well No. 47-017 - 00190

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 869 ft Watershed Jims Run
District Southwest County Doddridge Quadrangle Oxford
- 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 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 8/23/2021

09/24/2021

PLUGGING PROGNOSIS

API# 47-017-00190

West Virginia, Doddridge County

39.1707730281213, -80.8214943191979

Nearest ER: Minnie Hamilton Health System. 186 Hospital Drive, Grantsville, WV 26147

Casing Schedule

6 1/2" csg @ 697'

5 3/16" csg @ approx. 1600' *found @ well not in records*

2 3/8" tbg and rods @ 1687'

TD @ 1736'

*SDW
8/23/2021***Completion:**

- Natural

Fresh Water: None Reported

Gas Shows: Big Injun 1703'-1714'

Oil Show: 776'-790

Coal: None Reported

Elevation: 836'

1. Notify Inspector Sam Ward @ 304-389-7583, 48 hours prior to commencing operations.
2. Check and record pressures on tbg/csg.
3. TOOH LD rods and tbg. Inspect tbg.
4. Check TD w/ wireline.
5. TIH w/ tbg to 1714'. Kill well as needed with 6% bentonite gel. Pump 111' C1A cement plug from 1714'-1603' (Injun Gas show). Tag cement and top off as needed
6. TOOH w/ tbg to 1603'. Pump 6% bentonite gel from 1603'-840'. TOOH LD tbg.
7. 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.
8. TIH w/ tbg to 840'. Pump 193' C1A cement plug from 840'-647' (Elevation, Oil show, 6 1/2" csg st).
9. TOOH w/ tbg to 647'. Pump 6% bentonite gel from 647'-100'. TOOH LD Tbg.
10. Free point 6 1/2" 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.
11. TIH w/ tbg to 100'. Pump 100' C1A cement plug from 100'-surface (Surface).
12. Erect monument with API#, date plugged, and company name.
13. Reclaim location and road to WV-DEP specifications.

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4701700190P



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Hallbrook
Permit No. 201-1900

Oil or Gas Well Gas
(KIND)

Company <u>P. & M. Oil Company</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>West Union, W. Va.</u>	Size			
Farm <u>Marvel Haught</u> Acres <u>60</u>	16			Kind of Packer
Location (waters) <u>Jim Run</u>	13			
Well No. <u>2</u> Elev. <u>136'</u>	10			Size of
District <u>South West</u> County <u>Doddrige</u>	8 1/4			
The surface of tract is owned in fee by <u>Marvel Haught</u>	6 3/16			Depth set
Address <u>Oxford, W. Va.</u>	3			Perf. top
Mineral rights are owned by <u>Same</u>	2	<u>1687</u>	<u>1687</u>	Perf. bottom
Address _____	Liners Used			Perf. top
Drilling commenced <u>July 7, 1954</u>				Perf. bottom
Drilling completed <u>July 24, "</u>				
Date Shot From _____ To _____				
With _____				
Open Flow <u>/10ths Water in _____</u> Inch				
<u>/10ths Merc. in _____</u> Inch				
Volume <u>24 000</u> Cu. Ft.				
Rock Pressure <u>Not taken</u> lbs. hrs.				
Oil _____ bbls, 1st 24 hrs.				
Fresh water _____ feet				
Salt water _____ feet				

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

No
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Began drilling			796				
Big Dunkard			862	965			
Slate			965	970			
Sand			970	1075			
White slate			1075	1085			
Lime shell			1085	1110			
1st salt sand			1110	1195			
Slate & shells			1195	1250			
2nd salt sand			1250	1320			
Slate & shells			1320	1338			
3rd. salt sand			1338	1364			
Slate & shells			1364	1420			
Sand			1420	1475			
Slate & shells			1475	1550			
Maxon			1550	1565			
Slate & shells			1565	1607			
Big Lime			1607	1665			
Big Injun			1665	1731			
Total Depth			1736		Gas	1703-1714	

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08/24/2021
West Virginia Department of Environmental Protection

(Over)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Hallbrook

WELL RECORD

Permit No. Dad-190

Oil or Gas Well oil
(KIND)

Company Dr M. Oil Co.
 Address West Union, W. Va.
 Farm Marvel Hought Acres 60
 Location (waters) Jim Run
 Well No. 2 Elev. 1100
 District So. West County Dodd
 The surface of tract is owned in fee by Hought
 Address _____
 Mineral rights are owned by Hought
 Address _____
 Drilling commenced Jan. 19, 1949
 Drilling completed Feb. 2, 1949
 Date Shot From _____ To _____
 With _____
 Open Flow /10ths Water in _____ Inch
 /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock Pressure _____ lbs. _____ hrs.
 Oil 4 _____ bbls., 1st 24 hrs.
 Fresh water _____ feet
 Salt water _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13			
10			Size of
8 3/4	<u>207</u>	<u>0</u>	Depth set
8 1/2	<u>697</u>	<u>697</u>	
6 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
 COAL WAS ENCOUNTERED AT any where FEET _____ INCHES _____
 FEET _____ INCHES FEET _____ INCHES
 FEET _____ INCHES FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Red Rock-Lime & Blue slate			0	735			
Sand			735	796	oil	776-790	
To. Depth			796				

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WV Department of Environmental Protection
09/24/2021

4701700190P

WW-4A
Revised 6-07

1) Date: August 19, 2021
2) Operator's Well Number 2
3) API Well No.: 47 - 017 - 00190

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 Harold Hinzman	Name None
Address 1191 Harmony Road	Address
West Union, WV 26456	
(b) Name	(b) Coal Owner(s) with Declaration
Address	Name James R. Haught, Joseph B. Haught, Charles Haught
	Address 6508 Grove Summers Road
	West Union, WV 26456
(c) Name	Name
Address	Address
6) Inspector Sam Ward	(c) Coal Lessee with Declaration
Address P.O. Box 2327	Name No Declaration
Buckhannon, WV 26201	Address
Telephone 304-389-7583	

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: Jeff Mast
 Its: Director Production
 Address P.O. Box 6070
 Charleston, WV 25362
 Telephone 304-543-6988

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Subscribed and sworn before me this 20th day of August, 2021
Phyllis A. Copley Notary Public
 My Commission Expires September 16, 2023

AUG 24 2021
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.

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OFFICE OF THE ATTORNEY GENERAL

SEP 24 2021

BY: [Signature]

RECEIVED
 OFFICE OF THE ATTORNEY GENERAL
 STATE OF WEST VIRGINIA
 PUBLIC AGENCY
 100 WEST VIRGINIA
 CHARLESTON, WV 25303
 2021 SEP 24 10:00 AM



09/24/2021

Well #2
47-017-00190

4701700190P

7020 2450 0001 5225 2744

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West Union, WV 26456

OFFICIAL USE

Certified Mail Fee	\$ 3.60
Extra Services & Fees (check box, add fees as appropriate)	\$ 2.85
<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 \$ 1.40

Total Postage \$ 5.45

0523 01
Postmark Here

08/23/2021

Sent To: James R., Joseph B, & Charles Haught
6508 Grove Summers Road
West Union, WV 26456

PS Form 3826, June 2010
47-017-00190

7020 2450 0001 5225 2737

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OFFICIAL USE

Certified Mail Fee	\$ 3.60
Extra Services & Fees (check box, add fees as appropriate)	\$ 2.85
<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 \$ 1.40

Total Postage \$ 5.45

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Sent To: Harold Hinzman (surface)
119 Harmony Road
West Union, WV 26456

PS Form 3826, June 2010
47-017-00190

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Environmental Protection

4701700190P

WW-9
(5/16)

API Number 47 - 017 - 00190
Operator's Well No. 2

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) Jims Run Quadrangle Oxford

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 _____)

*SDW
8/23/2021*

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, sand/dust) 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 *JMA*

Company Official (Typed Name) Jeff Mast

Company Official Title Director Production



Subscribed and sworn before me this 20th day of August, 2021

Phyllis A. Copley Notary Public

My commission expires September 16, 2023

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Environmental Protection

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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.

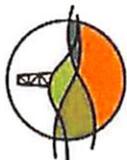
Plan Approved by: [Signature]

Comments: _____

Title: OOG Inspector Date: 8/23/2021

Field Reviewed? () Yes (X) No

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WV Department of
Environmental Protection
09/24/2021

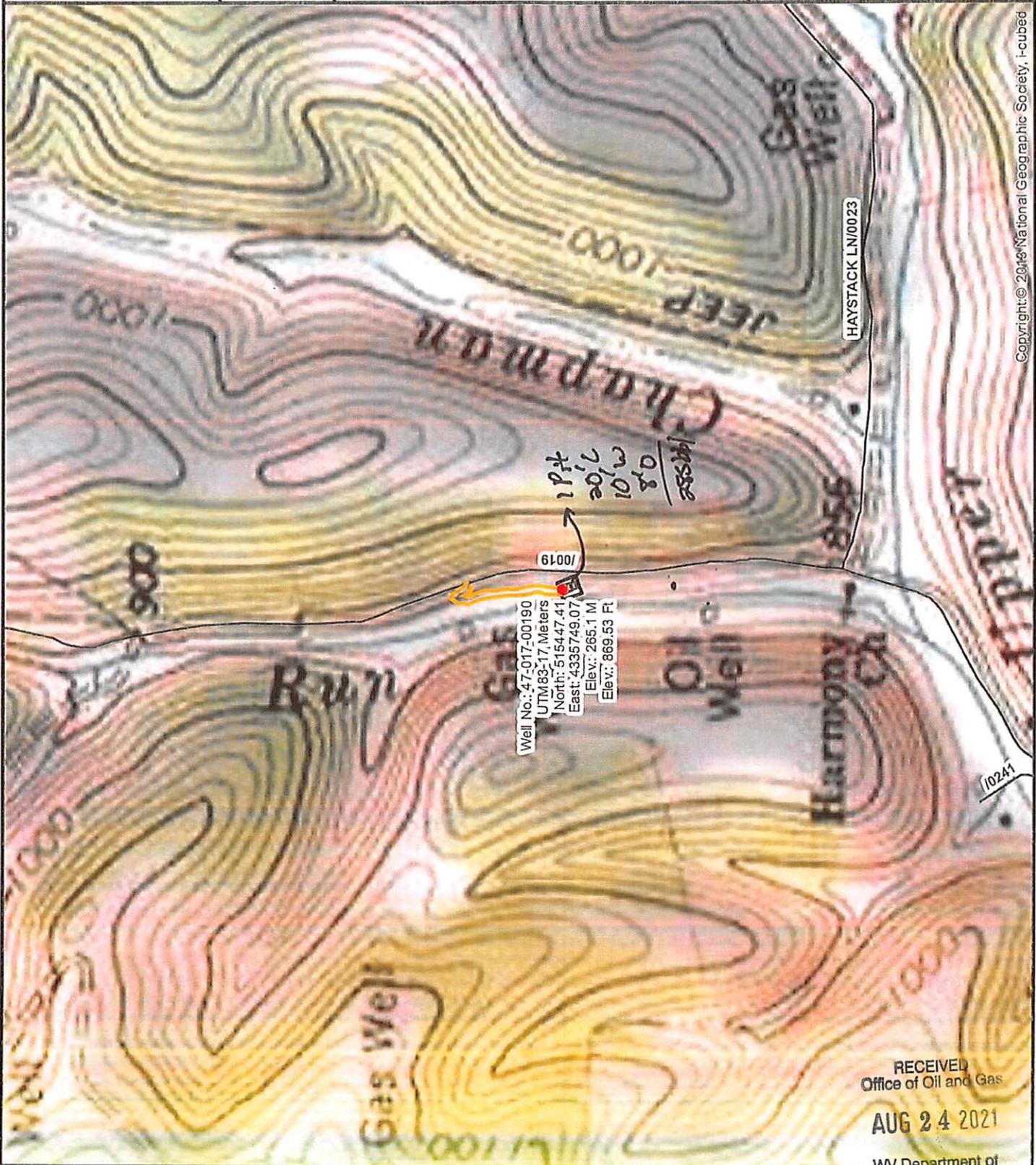
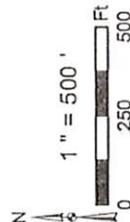


Diversified Gas & Oil Corporation
100 Diversified Way
Pikeville KY, 41051

47-017-00190
Plugging Map

Legend

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



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4701700190P

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-017-00190 WELL NO.: 2

FARM NAME: Haught Marvel

RESPONSIBLE PARTY NAME: Diversified Production LLC

COUNTY: Doddridge DISTRICT: Southwest

QUADRANGLE: Oxford

SURFACE OWNER: Harold Hinzman

ROYALTY OWNER: Diversified Production LLC

UTM GPS NORTHING: 4,335,749.0

UTM GPS EASTING: 515,447.4 GPS ELEVATION: 869'

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 _____

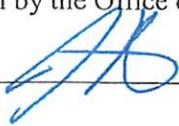
Real-Time Differential _____

Mapping Grade GPS X; Post Processed Differential X

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 

Director Production
Title

08/12/2021
Date

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WV Department of
Environmental Protection
09/24/2021

*Inspector
Signed Sheets
included*

4701700190P

Well Number: 2

API: 47-017-00190

PLUGGING PERMIT CHECKLIST

Plugging Permit

- WW-4B
- WW-4B signed by inspector
- WW-4A
- SURFACE OWNER WAIVER or PROOF THAT APPLICATION WAS SENT BY REGISTERED OR CERTIFIED MAIL - *Receipt after WW-4A*
- COAL OWNER/COAL OPERATOR/COAL LESSEE WAIVERS or PROOF THAT APPLICATION WAS SENT BY REGISTERED OR CERTIFIED MAIL
- WW-9 PAGE 1 (NOTARIZED)
- WW-9 PAGE 2 with attached drawing of road, location, pit and proposed area for land application
- WW-9 GPP PAGE 1 and 2 if well effluent will be land applied
- RECENT MYLAR PLAT OR WW-7
- WELL RECORDS/COMPLETION REPORT
- TOPOGRAPHIC MAP OF WELL, SHOWING PIT IF PIT IS USED
- MUST HAVE VALID BOND IN OPERATOR'S NAME
- CHECK FOR \$100 IF PIT IS USED

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Environmental Protection

09/24/2021



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

Plugging Vertical Well Work Permit (API: 47-017-00190)

1 message

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

Wed, Sep 22, 2021 at 7:48 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 "2", **API (47-017-00190)**. 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

 **47-017-00190 - Copy.pdf**
259K

09/24/2021