



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

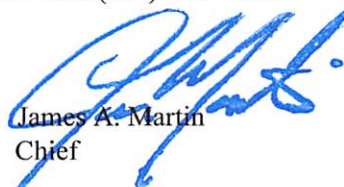
DIVERSIFIED PRODUCTION LLC
101 MCQUISTON DRIVE
JACKSON CENTER, PA 16133

Re: Permit approval for CUNNINGHAM 6
47-017-02631-00-00

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: CUNNINGHAM 6
Farm Name: JAMES, MRS. ELAINE
U.S. WELL NUMBER: 47-017-02631-00-00
Vertical Plugging
Date Issued: 9/21/2021

Promoting a healthy environment.

09/24/2021

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4701702631P

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.

09/24/2021

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WW-4B
Rev. 2/01

1) Date August 19, 2021
2) Operator's
Well No. 6
3) API Well No. 47-017 - 02631

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 1147 ft Watershed Cabin Run
District Central 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

RECEIVED
Office of Oil and Gas

AUG 24 2021

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

4701702631P

PLUGGING PROGNOSIS

API# 47-017-02631

West Virginia, Doddridge County

39.2255365352405, -80.8487305978043

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

Casing Schedule

8 5/8 » csg @ 1004' CTS

4 1/2" csg @ 2570' est TOC @ 1570'

TD @ 2600'

Completion:

- Frac

Fresh Water: 85'

Salt Water: None recorded

Gas Shows: Injun 2154'-2225', Weir 2390'-2514'

Oil Show: None recorded

Coal: None recorded

Elevation: 1061'

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 2514'. Kill well as needed with 6% bentonite gel. Pump 224' C1A cement plug from 2514'-2290' (Weir gas show). Tag cement and top off as needed
5. TOOH w/ tbg to 2290'. Pump 6% bentonite gel from 2290'-2225'.
6. TOOH w/ tbg to 2225'. Pump 171' C1A cement plug from 2225'-2054' (Injun gas show).
7. TOOH w/tbg to 2054'. Pump 6% bentonite gel from 2054'-1061'. TOOH LD tbg.
8. Free point 4 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.
9. TIH w/ tbg to 1061'. Pump 157' C1A cement plug from 1061'-904' (Elevation & 8 5/8" csg st).
10. TOOH w/ tbg to 904'. Pump 6% bentonite gel from 904'-135'.
11. TOOH w/ tbg to 135'. Pump 135' C1A cement plug from 135'-0' (Fresh water & Surface). TOOH LD tbg.
12. Erect monument with API#, date plugged, and company name.
13. Reclaim location and road to WV-DEP specifications.

SDW
8/23/2021

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Office of Oil and Gas

AUG 24 2021

WV Department of
Environmental Protection

-09/24/2021

OG-10
Rev. 971



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division
WELL RECORD

Quadrangle Oxford 7 1/2
Permit No. 47-017-2631

Rotary X Oil _____
Cable _____ Gas X
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind)

Company United Operating Company
Address 600 Commerce Square
Farm Cunningham Acres 41
Location (waters) Cabin Run
Well No. 6 Elev. 1061
District Central County Doddridge
The surface of tract is owned in fee by Emmett James
Address Oxford, W. Va.
Mineral rights are owned by Stella May & Richard Cunningham Address West Union, WV & Cucamonga, CA
Drilling Commenced 3-23-80
Drilling Completed 3-28-80
Initial open flow NA cu. ft. _____ bbls.
Final production 150 H. cu. ft. per day 4 bbls.
Well open flow test _____ hrs. before test 650 RP.
Well treatment details:

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			circulated 1,000 ft. fill
Cond. 13-10"			
9 5/8			
8 5/8	1004	1004	
7			
CAS 1/2			
4 1/2	0	2570	
3			
2			
Liners Used			

Attach copy of cementing record.

Fraced Weir in two stages with 800 bbl. fluid. 20,000# 80/100 sand, 35,000# 20/40 sand.
Fraced Injun (2204-2218) 350 bbls. fluid 10,000# 80/100 sand 13,000# 20/40 sand

Coal was encountered at NA Feet _____ Inches _____
Fresh water 85 Feet _____ Salt Water _____ Feet _____
Producing Sand Weir-Big Injun Depth 2154-2225 Injun
2390-2514 Weir

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Sand-Shale	Grey	H	0	1672		
Sand	Grey	H	1672	1728		
Shale	Grey	S	1728	1742		
Sand	Grey	H	1742	1806		
Shale	Grey	S	1806	2008		
Lime	Grey	H	2008	2146		
Big Injun	Grey	H	2146	2218		
Shale	Grey	S	2218	2384		
Weir S.S.	Grey	M	2384	2506		
Shale/some sand	Grey	S	2506	2600	T.D.	

WV DEPARTMENT OF MINES
APR 1 1980

SOW
8/23/2021

(over)
If the well is electric log run in the remarks section.

WW-4A
Revised 6-07

1) Date: August 19, 2021
2) Operator's Well Number
6
3) API Well No.: 47 - 017 - 02631

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>Elaine James</u>	Name <u>None</u>
Address <u>3514 Oxford Road</u>	Address _____
<u>West Union, WV 20456</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Paul J. Cunningham</u>
_____	Address <u>P.O. Box 182</u>
_____	<u>West Covina, CA 91793</u>
(c) Name _____	Name <u>Robin JoAnne LeMesurier</u>
Address _____	Address <u>1007 Legacy Walk</u>
_____	<u>Woodstock, Georgia 30189</u>
6) Inspector <u>Sam Ward</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 2327</u>	Name <u>No Declaration</u>
<u>Buckhannon, WV 26201</u>	Address _____
Telephone <u>304-389-7583</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

Its: Director Production

Address P.O. Box 6070

Charleston, WV 25362

Telephone 304-543-6988

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

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JAMES H. HARRIS
NOTARY PUBLIC
STATE OF WEST VIRGINIA
By: J. A. Collins
144 West Street
Martinsburg, WV 25401
My Commission Expires September 24, 2021



Well 6
47-017-02631

4701702631P

7019 1640 0000 1003 4886

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West Union, WV 26456

OFFICIAL USE

Certified Mail Fee	\$3.60	0523 01
Extra Services & Fees (check box, add fees as appropriate)	\$2.85	
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00	Postmark Here
<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	08/23/2021
Total F	\$7.85	
Sent To	Well #6 (3007)	
Street	Elaine James (surface)	
City, S	3514 Oxford Road	
PS Fo	West Union, WV 26456	
	47-017-02631	

7019 1640 0000 1003 4862

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Woodstock, GA 30189

OFFICIAL USE

Certified Mail Fee	\$3.60	0523 01
Extra Services & Fees (check box, add fees as appropriate)	\$2.85	
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00	Postmark Here
<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	08/23/2021
Total F	\$7.85	
Sent To	Well #6 (3007)	
Street	Robin Joanne LeMesurier (coal)	
City, S	1007 Legacy Walk	
PS Fo	Woodstock, Georgia 30189	
	47-017-02631	

7019 1640 0000 1003 4879

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West Covina, CA 91793

OFFICIAL USE

Certified Mail Fee	\$3.60	0523 01
Extra Services & Fees (check box, add fees as appropriate)	\$2.85	
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00	Postmark Here
<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	08/23/2021
Total F	\$7.85	
Sent To	Well #6 (3007)	
Street	Paul J. Cunningham (coal)	
City, S	P.O. Box 182	
PS Fo	West Covina, CA 91793	
	47-017-02631	

09/24/2021

4701702631P

WW-9
(5/16)

API Number 47 - 017 - 02631
Operator's Well No. 6

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) Cabin 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, 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.

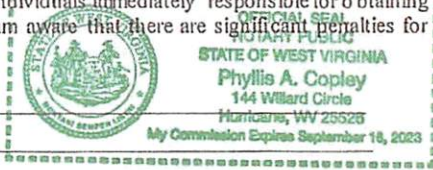
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations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

09/24/2021

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.

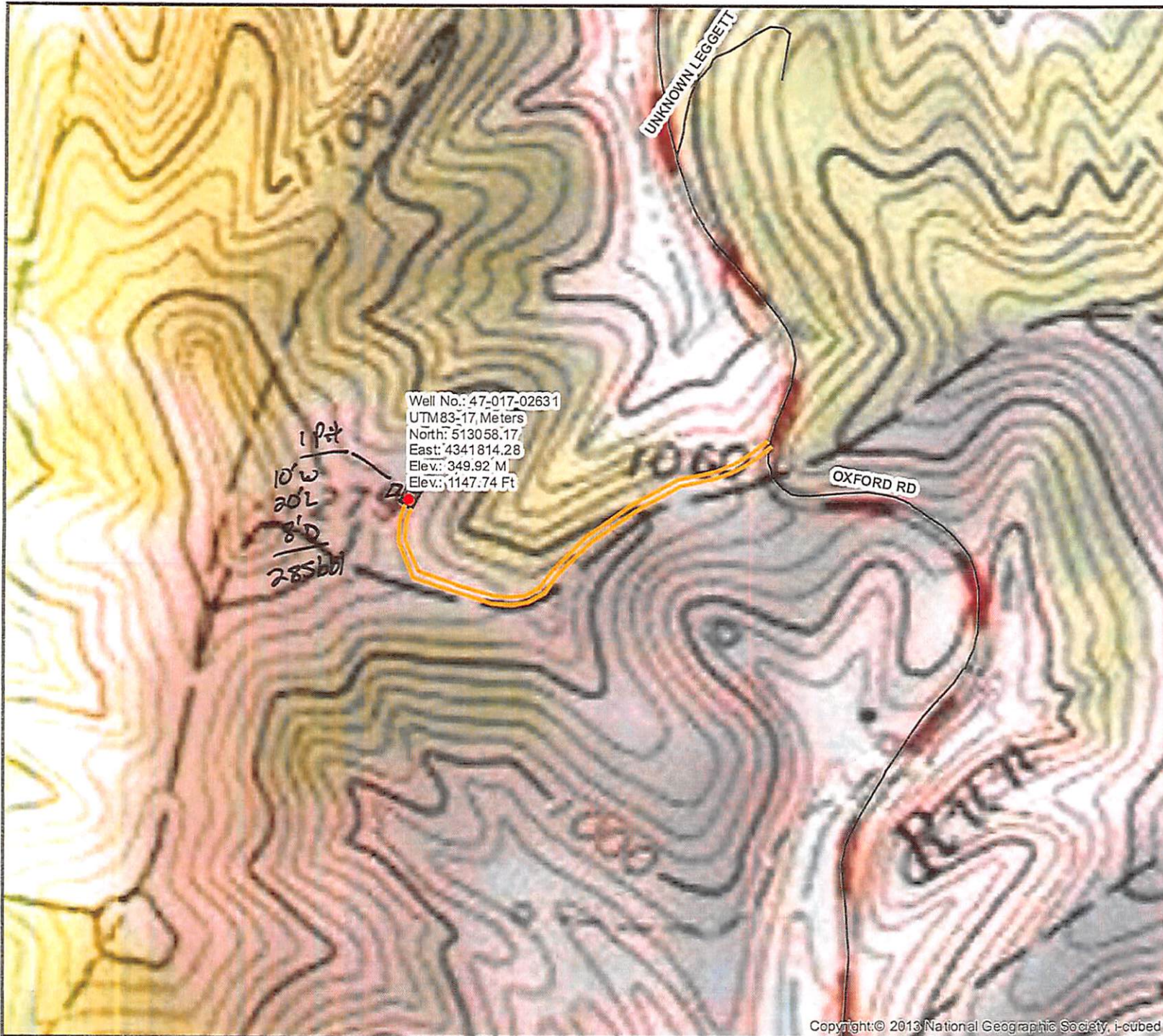
Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: [Signature]

Comments: _____

Title: OOB Inspector Date: 8/23/2021

Field Reviewed? () Yes (X) No



Well No.: 47-017-02631
 UTM83: 17, Meters
 North: 513058.17
 East: 4341814.28
 Elev.: 349.92 M
 Elev.: 1147.74 Ft

1 Pit
 10' W
 20' L
 8' D
 285601



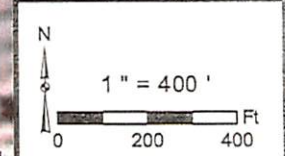
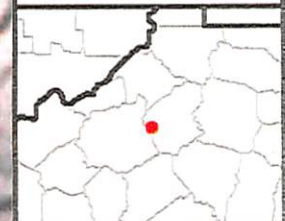
Diversified Gas & Oil Corporation
 100 Diversified Way
 Pikeville KY, 41051

47-017-02631

Plugging Map

Legend

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



4701702631P

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-017-02631 WELL NO.: 6

FARM NAME: Cunningham

RESPONSIBLE PARTY NAME: Diversified Production LLC

COUNTY: Doddridge DISTRICT: Central

QUADRANGLE: Oxford

SURFACE OWNER: Elaine James

ROYALTY OWNER: Smith & Smith Partnership etal

UTM GPS NORTHING: 4,341,814.2

UTM GPS EASTING: 513,058 GPS ELEVATION: 1147'

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.

 Director Production 08/12/2021
Signature Title Date

09/24/2021

4701702631P

Well Number: 6
API: 47-017-02631

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 following 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

RECEIVED
Office of Oil and Gas
AUG 24 2021
WV Department of
Environmental Protection

09/24/2021

*Includes
inspector signed
sheets*



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

Plugging Vertical Well Work Permit (API: 47-017-02631)

1 message

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

Wed, Sep 22, 2021 at 8:09 AM

To: "Mast, Jeff" <jmast@dgoc.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 "CUNNINGHAM 6", API (47-017-02631). 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

 **47-017-02631 - Copy.pdf**
2390K

 **IR-8 Blank.pdf**
157K

09/24/2021