



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, July 8, 2021

WELL WORK PLUGGING PERMIT
Vertical Plugging

DIVERSIFIED PRODUCTION LLC
101 MCQUISTON DRIVE
JACKSON CENTER, PA 16133

Re: Permit approval for 1
47-109-00262-00-00

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: 1
Farm Name: MORGAN, EDD, ETAL
U.S. WELL NUMBER: 47-109-00262-00-00
Vertical Plugging
Date Issued: 7/8/2021

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47109002629

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.

07/09/2021

1) Date June 11, 2021
2) Operator's Well No. 1
3) API Well No. 47-108 - 00292

47109002620

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 1,255.6 feet Watershed Indian Creek
District Baileysville County Wyoming Quadrangle Pineville

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 Gary Kennedy Name Diversified Production, LLC (in-house rig)
Address 66 Old Church Lane Address 1951 Pleasantview Ridge Road
Pipestem, WV 25979 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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JUN 23 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 *Gary Kennedy* Date 6/17/21

07/09/2021

PLUGGING PROGNOSIS

API# 47-109-00262

West Virginia, Wyoming County

37.5770586476385, -81.65289226958296

Nearest ER: Welch Community Hospital, 454 McDowell ST, Welch, WV 24801

Casing Schedule

13 3/8" csg @ 32'

10 3/4" csg @ 595'

8 5/8" csg @ 1042'

7" csg @ 2482'

3 1/2" tbg @ 3430' Packer @ 2744'

TD 3430'

Completion: Shot**Fresh Water:** None Recorded**Salt Water:** None Recorded**Gas Shows:** 370', 1385', 1408', Shale 3398'-3430'**Oil Show:** None Recorded**Coal:** 195', 270', 516', 615', 815'**Elevation:** 1258'

1. Notify Inspector Gary Kennedy @ 304-382-8402, 48 hours prior to commencing operations.
2. Check and record pressures on csg and tbg.
3. Check TD w/ wireline.
4. RIH w wireline. Perf 3 1/2" tbg @ 3435', 3385', 3345', and 2735'
5. TIH w/ tbg to 3430'. Kill well as needed with 6% bentonite gel. Pump 132' C1A cement plug from 3430'-3298' (Shale gas show). Check TOC. Top off as needed.
6. TOOH w/ tbg to 3298'. Pump 6% bentonite gel from 3298'-2532'. TOOH LD tbg
7. Freepoint, cut, and pull 3 1/2 tbg.
8. TIH w/ tbg to 2532'. Pump 100' C1A cement plug from 2532'-2432' (7" csg st).
9. TOOH w/ tbg to 2432'. Pump 6% bentonite gel from 2432'-1408'. TOOH LD tbg.
10. Free point 7" 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 1408'. Pump 250' C1A cement plug from 1408'-1158' (Gas shows and elevation).
12. TOOH w/ tbg to 1158'. Pump 6% bentonite gel from 1158'-1092'.
13. TOOH w/ tbg to 1092'. Pump 100' C1A cement plug from 1092'-992' (8 5/8" csg st).
14. TOOH w/ tbg to 992'. Pump 6% bentonite gel from 992'-665'. TOOH LD tbg.
15. Free point 8 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. **COAL @ 815', JIM**
16. TIH w/ tbg to 665'. Pump 124' C1A cement plug from 665'-545' (Coal and 10" csg st). TOOH LD tbg.
17. Free point 10" 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.
18. TIH w/ tbg to 545'. Pump 100' C1A plug from 545'-445' (coal).
19. TOOH to 445'. Pump 6% bentonite gel from 445'-370'.
20. TOOH w/ tbg to 370'. Pump 370' C1A cement plug from 370'-0' (Gas show, coal, and surface). TOOH LD tbg.
21. Erect monument with API#, date plugged, and company name.
22. Reclaim location and road to WV-DEP specifications.

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WV Department of
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B-1



4710900262P

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Baileysville

WELL RECORD

Permit No. WYO-262

Oil or Gas Well Gas
(KIND)

Company United Producing Company, Inc.
Address Box 1913, Charleston 27, W. Va.
Farm Edd Morgan et al Acres 63.73
Location (waters) Laurel Branch of Indian Ck.
Well No. 1 (1524) Elev. 1257.84'
District Baileysville County Wyoming
The surface of tract is owned in fee by Edd Morgan et al
Address Baileysville, W. Va.
Mineral rights are owned by Same
Address _____
Drilling commenced March 24, 1948
Drilling completed July 10, 1948
Date Shot 7-12-48 From 3407' To 3430'
With 90 qtz. nitroglycerine

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13 3/8"	32'	32'	
10 3/4"	595'	595'	Size of
8 5/8"	1042'	1042'	
6 7/8" OD	2482'	2482'	Depth set <u>2744'</u>
5 3/8"			
3 1/2"	3430'	3430'	Perf. top <u>3398'</u>
2			Perf. bottom <u>3430'</u>
Liners Used			Perf. top _____
			Perf. bottom _____

Open Flow 1/10ths Water in _____ Inch
5/10ths Merc. in 3 Inch
Volume 783,000 Cu. Ft.
Rock Pressure 680 lbs. 144 hrs.
Oil _____ bbls. 1st 24 hrs.
Fresh water _____ feet _____ feet
Salt water _____ feet _____ feet

CASING CEMENTED 5/8" SIZE 35' No. Ft. 5-5-48 Date
COAL WAS ENCOUNTERED AT 195 FEET 24 INCHES
270 FEET 36 INCHES 516 FEET 48 INCHES
815 FEET 46 INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Clay			0	18			
Sand			16	195			
Coal			195	197			
Sand			197	220			
Slate			220	230			
Lime			230	265			
Slate			265	270			
Coal			270	273			
Slate			273	278			
Lime			278	290			
Sand			290	300			
Lime			300	350			
Slate			350	370			
Shale			370	400	Gas	370'	Show
Lime & Shells			400	450			
Sand			450	490			
Slate & Shells			490	516			
Coal			516	520			
Lime			520	555			
Slate			555	596			
Sand			596	815			
Coal			815	818			
Slate			818	886			
Lime			886	936			
Sand			936	1090			
Lime			1090	1110			
Sand			1110	1130			
Slate & Shells			1130	1240			
Slate			1240	1326			
Lime	Dark		1326	1339			
Salt Sand			1339	1435	Gas	1385'	119MCF
Lime			1435	1495	Gas	1408'	
Red Rock			1495	1520			
Lime		Gritty	1520	1600			
Red Rock			1600	1635			
Lime Shells			1635	1879			
Sand			1879	1929			
Lime Shells			1929	1989			
Red Rock			1989	1998			

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AUG 1948
WEST VIRGINIA
DEPARTMENT OF MINES

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WV Department of
Environmental Protection

Well 1

B-2

47-109-00202P

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Lime Shells			1998	2115			
Mudon Sand			2115	2194			
Slate			2194	2230			
Little Lime			2230	2312			
Slate			2312	2357			
Lime		Broken	2357	2434			
Big Lime			2434	2770			
Big Injun			2770	2860			
Lime		Gritty	2860	2950			
Slate & Shells			2950	3365			
Slate	Brown		3365	3386			
Lime	Black		3386	3395			
Berea Grit			3395	3431			
Slate			3431	3440			
TOTAL DEPTH					3440'		
Hole filled up to					3430'		

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Date August 9, 1948

APPROVED UNITED PRODUCING COMPANY, INC., Owner

By *C.B. Wilson*
Gen. Supt.(Title)

07/09/2021

WW-4A
Revised 6-07

1) Date: June 11, 2021
2) Operator's Well Number
1
3) API Well No.: 47 - 109 - 00262

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

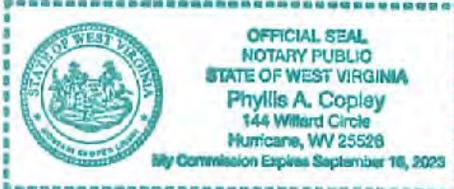
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Chris Morgan</u>	Name <u>None</u>
Address <u>P.O. Box 466</u>	Address _____
<u>Sunbury, Ohio 43074</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Chris Morgan</u>
_____	Address <u>P.O. Box 466</u>
_____	<u>Sunbury, Ohio 43074</u>
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Gary Kennedy</u>	(c) Coal Lessee with Declaration
Address <u>66 Old Church Lane</u>	Name <u>No Declaration</u>
<u>Pipestem, WV 25979</u>	Address _____
Telephone <u>304-382-8402</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 <u>Diversified Production, LLC</u>	
	By: <u>[Signature]</u> <u>Jeff Mast</u>	
	Its: <u>Director Production</u>	
	Address <u>P.O. Box 6070</u>	RECEIVED Office of Oil and Gas
	<u>Charleston, WV 25362</u>	<u>JUN 15 2021</u>
Telephone <u>304-543-6988</u>		WV Department of Environmental Protection

Subscribed and sworn before me this 11th day of June, 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.

4710900262P

47-109-00262
Well I

7079 1649 0000 0000 0001 2652

U.S. Postal Service™	
CERTIFIED MAIL® RECEIPT	
Domestic Mail Only	
For delivery information, visit our website at www.usps.com ®.	
Sunbury, OH 43074	
OFFICIAL USE	
Certified Mail Fee	\$3.60
Extra Services & Fees (check box, add fee for 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 and Fees	\$7.85
Sent To	Chris Morgan
Street and Apt. No., or PO Box No.	PO Box 466
City, State, ZIP+4®	Sunbury Ohio 43074
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions	

0523
03
Postmark
Here
06/14/2021
Well I

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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) Indian Creek Quadrangle Pineville

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 2D04701511002 *JK*)
- 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

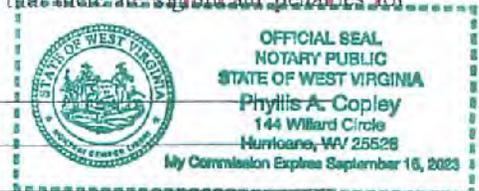
-Landfill or offsite name/permit number? N/A

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 Production



Subscribed and sworn before me this 11th day of June, 2021
Phyllis A. Copley Notary Public

My commission expires September 16, 2023

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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: Inspector

Date: 6/17/21

Field Reviewed? () Yes () No

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

47-109-00262

Plugging Map

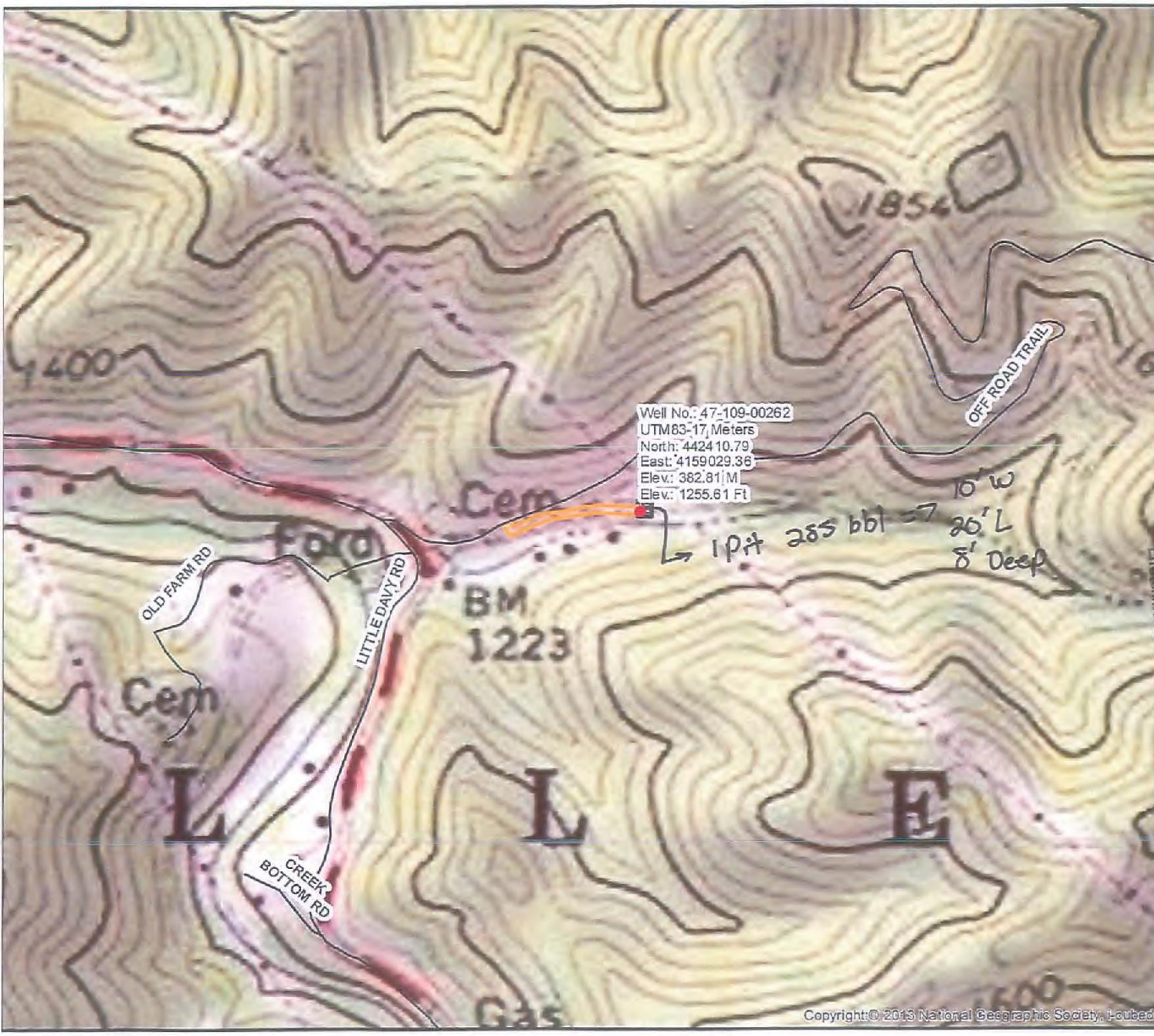
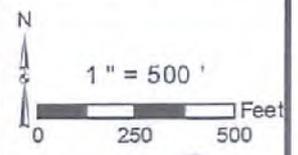
Legend

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

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 JUN 15 2021

47-109-00262



Well No.: 47-109-00262
 UTM83-17, Meters
 North: 4424 10.79
 East: 4159029.36
 Elev.: 382.81 M
 Elev.: 1255.61 Ft

1 Pit 285 bbl -> 10' W
 20' L
 8' Deep



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-109-00262 WELL NO.: 1

FARM NAME: Edd Morgan Etal

RESPONSIBLE PARTY NAME: Diversified Production LLC

COUNTY: Wyoming DISTRICT: Baileysville

QUADRANGLE: Pineville

SURFACE OWNER: Edd Morgan Etal

ROYALTY OWNER: Diversified Production LLC

UTM GPS NORTHING: 4,159,029.36

UTM GPS EASTING: 442,410.79 GPS ELEVATION: 1255.6

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

06/09/2021
Date

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Office of Oil and Gas

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