



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

Monday, December 27, 2021
WELL WORK PLUGGING PERMIT
Vertical Plugging

DIVERSIFIED PRODUCTION LLC
414 SUMMERS STREET
CHARLESTON, WV 25301

Re: Permit approval for NEW RIVER 61AR
47-081-00705

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.

James A. Martin
Chief

Operator's Well Number: NEW RIVER 61AR
Farm Name: NEW RIVER
U.S. WELL NUMBER: 47-081-00705
Vertical Plugging
Date Issued: 12/27/2021

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.

1) Date December 15, 2021
2) Operator's
Well No. 61-AR
3) API Well No. 47-081 - 00705

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 2414.44 feet Watershed Dunloup Creek
District Town County Raleigh Quadrangle Beckley

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 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

RECEIVED
Office of Oil and Gas
DEC 22 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 12/17/21

12/31/2021

Plugging Prognosis

API #: 4708100705

West Virginia, Raleigh Co.

Lat/Long: 37.85405598 -81.16295869

Nearest ER: Raleigh General Emergency Room - 1710 Harper Rd, Beckley, WV 25801

Casing Schedule:

Size 20-16 Cond. @ 21' (cemented to surface with 2 sx cmt)

7" @ 1,207' (cemented to surface with 510 sx cmt)

4-1/2" @ 1,615 (cemented to 781' w/ 60 sx cmt)

TD @ 1,615'

Completion – Ravencliff: 1,516 – 1,544 (52 shots)

Fresh Water: "No water reported"

Salt Water: None listed

Gas Shows: None listed

Oil Shows: None listed

Coal: 253'-256'

Elevation: 2,384'

1. Notify Inspector Gary Kennedy @ 304-382-8402, 48 hrs prior to commencing operations.
2. Check and record pressures on csg/tbg.
3. Check TD w/ wireline.
4. Run in to depth @ 1,544'. Kill well as needed with 6% bentonite gel and fill rat hole with gel. Pump at least 10 bbls gel. Pump 128' C1A cement plug from 1,544' to 1,416' (Ravencliff **Completion**) Tag TOC. Top off as needed.
5. Pump 6% bentonite gel from 1,416' to 1,257'.
6. TOOH w/ tbg to 1,257'. Pump 100' C1A cement plug from 1,257' to 1,157'. (Depth of 7" csg shoe plug).
7. TOOH w/ tbg to 1,157'. Pump 6% bentonite gel from 1,157' to 781' (or casing cut depth).
8. Free point 4-1/2" csg. Cut and TOOH. Set 100' C1A cement plug across csg cut. 50' in/out of cut. Pump 6% bentonite gel from top of plug to 306' **Do not omit any plugs listed below. Perforate as needed.**
9. TOOH w/ tbg to 306'. Pump 306' C1A cement plug from 306' to surface. (coal show and surface plug).
10. Reclaim location and well road to WV DEP specifications and erect P&A well monument.

RECEIVED
Office of Oil and Gas

DEC 22 2021

WV Department of
Environmental Protection


12/31/2021



4708100705P

WA-35

Date January 8, 1986
Operator's Well No. 61-AR
Farm New River
API No. 47 - 081 - 0705

State of West Virginia
DEPARTMENT OF ENERGY
Oil and Gas Division

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

RECEIVED
DEPARTMENT OF ENERGY
OIL AND GAS

WELL TYPE: Oil ___ / Gas X / Liquid Injection ___ / Waste Disposal ___
(If "Gas," Production X / Underground Storage ___ / Deep ___ / Shallow X) JAN 14 1986

LOCATION: Elevation: 2384 Watershed Dunloup Creek
District: Town County Raleigh Quadrangle Beckley 7.5

COMPANY Peake Operating Company
ADDRESS 423 Charleston National Plaza
Charleston, WV 25301
DESIGNATED AGENT Timothy K. Wilcox
ADDRESS 423 Charleston National Plaza
Charleston, WV 25301
SURFACE OWNER New River Company
ADDRESS Box 711, Mt. Hope, WV 25880
MINERAL RIGHTS OWNER CSX Minerals
ADDRESS Box 2827, Huntington, WV 25727
OIL AND GAS INSPECTOR FOR THIS WORK
Rodney Dillon ADDRESS Sophia, WV
PERMIT ISSUED 9/13/85
DRILLING COMMENCED 10/31/85
DRILLING COMPLETED 11/5/85
IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON _____

Casing & Tubing Size	Used in Drilling	Left in Well	Cement fill up Cu. ft.
20-16 Cowl.		21	2 sacks
13-10"			
9 5/8			
8 5/8			
7		1207	510 sacks
5 1/2			
4 1/2		1615	60 sacks
3			
2			
Liners used			

CTS

GEOLOGICAL TARGET FORMATION Ravencliff Depth 1659 feet
Depth of completed well 1628 feet Rotary X / Cable Tools _____
Water strata depth: Fresh None feet; Salt None feet
Coal seam depths: 253-256 Is coal being mined in the area? No

RECEIVED
Office of Oil and Gas
DEC 20 2021

OPEN FLOW DATA

Producing formation Ravencliff Pay zone depth 1478-1546 feet
Gas: Initial open flow 60 McF/d Oil: Initial open flow - Bbl/d
Final open flow 465 McF/d Final open flow - Bbl/d
Time of open flow between initial and final tests 4 hours
Static rock pressure 130# psig (surface measurement) after 72 hours shut in
(If applicable due to multiple completion--)
Second producing formation _____ Pay zone depth _____ feet
Gas: Initial open flow _____ McF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ McF/d Oil: Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ hours
Static rock pressure _____ psig (surface measurement) after _____ hours shut in

WV Department of Environmental Protection

(Continue on reverse side)

12/31/2021

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

12/2/85 - Perforated the Ravencliff w/52 holes from 1516-1544.
 12/3/85 - Dowell treated w/75 Quality Foam. Used 1000 gals. 15% HCL, 15,000# 80/100, 45,000# 20/50.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Sand and Shale			0	1295	No water reported
Princeton*			1295	1329	
Shale			1329	1456	
Ravencliff*			1456	1546	
Avis Lime			1546	1562	
Red Rock			1562	TD	
DTD 1628					
LTD 1625					
*Electric Log Tops					

[Handwritten signature]

RECEIVED
 Office of Oil and Gas
 DEC 22 2021
 WV Department of
 Environmental Protection

(Attach separate sheets as necessary)

PEAKE OPERATING COMPANY
 Well Operator
 By: Thomas J. Abertone
 Date: January 8, 1986

Note: Regulation 2.02(i) provides as follows:
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

4708100705P

WW-4A
Revised 6-07

1) Date: December 15, 2021
2) Operator's Well Number
61-AR

3) API Well No.: 47 - 081 - 00705

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

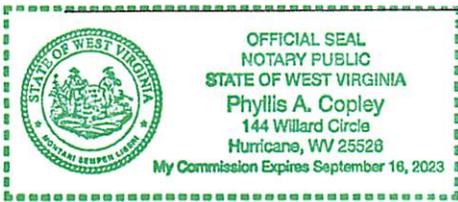
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Meadow Creek Coal Corp.</u>	Name <u>None</u>
Address <u>263 White Oak Drive</u>	Address _____
<u>Beckley, WV 25801</u>	
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Beaver Coal Limited Company</u>
	Address <u>354 Log Cabin Road</u>
	<u>Beaver, WV 25813</u>
(c) Name _____	Name _____
Address _____	Address _____
6) Inspector <u>Gary Kennedy</u>	(c) Coal Lessee with Declaration
Address <u>66 Old Church Road</u>	Name <u>James C. Justice Companies</u>
<u>Pipestem, WV 25979</u>	Address <u>818 N. Eisenhower Drive</u>
Telephone <u>304-382-8402</u>	<u>Beckley, WV 25801-3112</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
 Title: Director Production
 Address 414 Summers Street
Charleston, WV 25301
 Telephone 304-543-6988

RECEIVED
Office of Oil and Gas
DEC 22 2021
WV Department of
Environmental Protection

Subscribed and sworn before me this 15th day of December, 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.

12/31/2021

61-AR
 47-081-00705
 4708100705P

7020 2450 0001 5225 2188

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

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

Beckley, WV 25801

OFFICIAL USE

Certified Mail Fee	\$3.75	
\$	\$3.05	0523
Extra Services & Fees (check box, add fee as appropriate)		03
<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	
\$		12/15/2021
Total	\$8.616	
\$		
Sent To	James C. Justice Companies	
Street	818 N. Eisenhower Drive	
City, State, ZIP+4®	Beckley, WV 25801-3112	

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

7020 2450 0001 5225 2171

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

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

Beckley, WV 25801

OFFICIAL USE

Certified Mail Fee	\$3.75	
\$	\$3.05	0523
Extra Services & Fees (check box, add fee as appropriate)		03
<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	
\$		12/15/2021
Total Pr	\$8.36	
\$		
Sent To	Meadow Creek Coal Corp.	
Street	263 White Oak Drive	
City, State, ZIP+4®	Beckley, WV 25801	

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

7020 2450 0001 5225 2195

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

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

Beckley, WV 25801

OFFICIAL USE

Certified Mail Fee	\$3.75	
\$	\$3.05	0523
Extra Services & Fees (check box, add fee as appropriate)		03
<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	
\$		12/15/2021
Total Postage and Fees	\$8.36	
\$		
Sent To	Beaver Coal Limited 61-AR	
Street and Apt. No., or PO Box No.	354 Log Cabin Rd	
City, State, ZIP+4®	Beaver WV 25813	

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

RECEIVED
 Office of Oil and Gas
 DEC 16 2021
 WV Department of
 Environmental Protection

12/31/2021

WW-9
(5/16)

API Number 47 - 081 - 00705
Operator's Well No. 61-AR

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) Dunloup Creek Quadrangle Beckley

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.? 20

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection (UIC Permit Number Twin Branch 47471511)
- 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.

RECEIVED
Office of Oil and Gas
DEC 16 2021

WV Department of
Environmental Protection

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 15th day of December, 2021

Phyllis a. Copley

Notary Public

My commission expires September 16, 2023

Proposed Revegetation Treatment: Acres Disturbed 1 +/- Prevegetation pH _____

Lime 3 Tons/acre or to correct to pH 6.05

Fertilizer type _____ 10-20-20 or equivalent

Fertilizer amount _____ lbs/acre

Mulch 2 Tons/acre

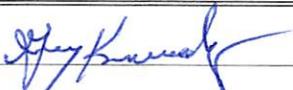
Seed Mixtures

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.

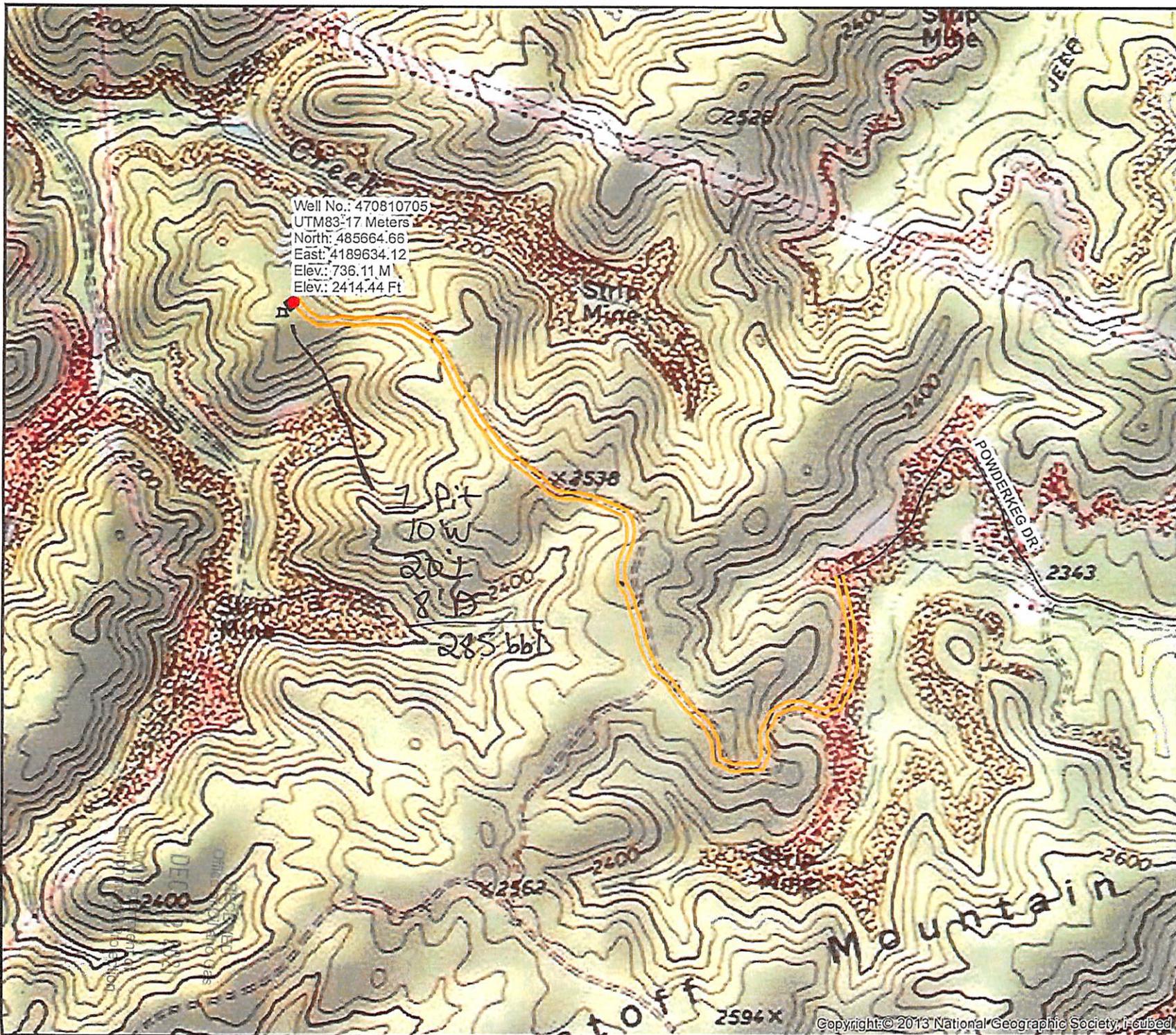
Plan Approved by: 

Comments: _____

RECEIVED
Office of Oil and Gas
DEC 22 2021
WV Department of
Environmental Protection

Title: Inspector Date: 12/17/21

Field Reviewed? () Yes () No



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

47-081-00705

Plugging Map

Legend

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



RECEIVED



1" = 1,000'
 0 500 1,000 Ft

4708100705P

WW-7
8-30-06



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

API: 47-081-00705 WELL NO.: 61-AR

FARM NAME: New River

RESPONSIBLE PARTY NAME: Diversified Production LLC

COUNTY: Raleigh DISTRICT: Town

QUADRANGLE: Beckley

SURFACE OWNER: Meadow Creek Coal Corp.

ROYALTY OWNER: DP Bluegrass LLC

UTM GPS NORTHING: 4189634.12

UTM GPS EASTING: 485664.66 GPS ELEVATION: 2414.44

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:

- Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
- Accuracy to Datum – 3.05 meters
- Data Collection Method:
Survey grade GPS : Post Processed Differential
Real-Time Differential
Mapping Grade GPS : Post Processed Differential
Real-Time Differential

RECEIVED
Office of Oil and Gas
DEC 22 2021
WV Department of
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 [Signature] Title Director Production Date 12/14/21



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

Plugging Vertical Well Work Permit Diversified 47-081-00705

1 message

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

Mon, Dec 27, 2021 at 1:05 PM

To: "Mast, Jeff" <jmast@dgo.com>, raleigh@wvassessor.com, "Kennedy, Gary L" <gary.l.kennedy@wv.gov>

I have attached a copy of the newly issued well [permit](#) numbers:

47-081-00705 - New River 61AR

These will serve as your copy.

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

 **47-081-00705 - Copy.pdf**
3505K

 **IR-8 Blank.pdf**
200K

12/31/2021