



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, April 26, 2022
WELL WORK PLUGGING PERMIT
Vertical Plugging

DIVERSIFIED PRODUCTION LLC
101 MCQUISTON DRIVE
JACKSON CENTER, PA 16133

Re: Permit approval for 6377
47-041-01917-00-00

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: 6377
Farm Name: HALL, IRENE M. - TRUST
U.S. WELL NUMBER: 47-041-01917-00-00
Vertical Plugging
Date Issued: 4/26/2022

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.

NW-4B
Rev. 2/01

1) Date December 21, 2021
2) Operator's
Well No. SD Camden A-489
3) API Well No. 47-041 - 21917

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 1404' Watershed Rush Run
District Freemans Creek County Lewis Quadrangle Camden
- 6) Well Operator Diversified Production, LLC 7) Designated Agent Jeff Mast
Address 414 Summers Street Address 31 Hickory Drive
Charleston, WV 25330 Barboursville, WV 25504
- 8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Sam Ward Name To be Determined Upon Issuance of Permit
Address P. O. Box 2327 Address
Buckhannon, WV 26201

10) Work Order: The work order for the manner of plugging this well is as follows:

** See Attached Plugging Manners **

THIS WELL WAS PREVIOUSLY PLUGGED FROM T D OF 7491' TO SURFACE IN NOV. 1974.
 * CLEAN OUT TO ATTAINABLE BOTTOM BEFORE STARTING THE PLUGGING PROCESS
 * THERE IS NO RECORD OF A REWORK FOR THIS WELL AFTER PLUGGING IN 1974, QWM ALTHOUGH PRODUCTION HAS BEEN REPORTED IN 2021.

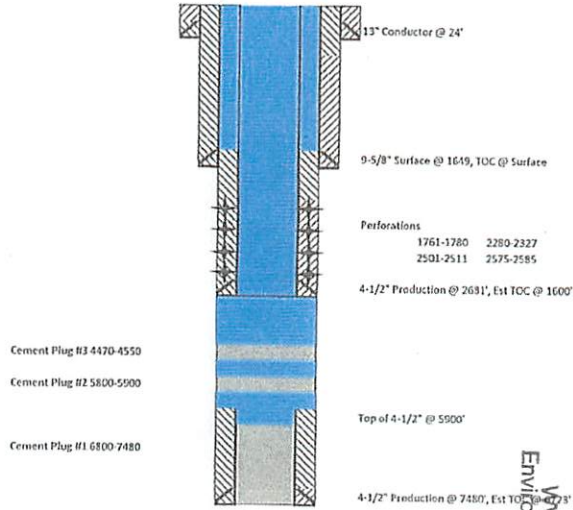
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Office of Oil and Gas
JAN 5 2021
WV Department of
Environmental Protection

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 12/29/2021

API No 47-041-01917
 Farm S.D. Camden
 Well # A-489
 County Lewis, WV

CURRENT WELLBORE



PROPOSED WELLBORE

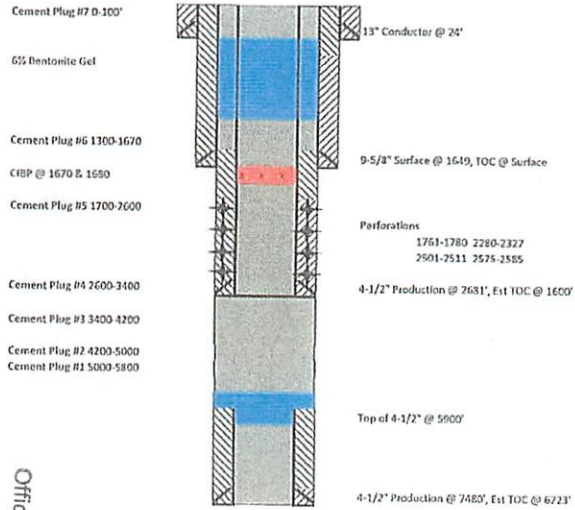


Exhibit "B"

RECEIVED
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 JAN 5 2021
 WV Department of
 Environmental Protection

PLUGGING PROCEDURE

TO WAS 7491'
 CLEAN TO ATTAINABLE BOTTOM *

- 1 Clean Out to 5800' (Top of Second Existing Cement Plug)
- 2 Run Tailing to TD
- 3 Establish Circulation w/ Fresh Water, Load Hole w/ Fresh Water
- 4 Set Cement Plug #1 (Balanced Plug), TOOH
- 5 Tag TOC
- 6 Set Cement Plug #2 (Balanced Plug), TOOH
- 7 Set Cement Plug #3 (Balanced Plug), TOOH
- 8 Set Cement Plug #4 (Balanced Plug), TOOH
- 9 Tag TOC
- 10 Set Cement Plug #5 (Balanced Plug), TOOH
- 11 Tag TOC, Set 2 CIBP's w/ WL
- 12 Free Point, Cut and Recover 4-1/2" Casing
- 13 TH, Set Cement Plug #6 (Balanced Plug), TOOH
- 14 Tag TOC
- 15 Set Cement Plug #7 (Balanced Plug), TOOH
- 16 Install Monument

SP10
 12/29/2021

4704101917P

RECEIVED
DEC 9 1974

FORM OG-8

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

OIL & GAS DIVISION
DEPT. OF MINES

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPPLICATE. ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

S. A. Hall, Jr.
COAL OPERATOR OWNER
Rt. 4 Box 475
ADDRESS
Weston, WV 26452
COAL OPERATOR OR OWNER
ADDRESS
Same
LEASE OR PROPERTY OWNER
ADDRESS

Allegheny Land & Mineral Co.
NAME OF WELL OPERATOR
P.O. Box 1740
Clarksburg, WV 26301
COMPLETE ADDRESS
December 5, 1974
WELL AND LOCATION
Freemans Creek District
Lewis County
Well No. A-489
S.D. Camden Farm

STATE INSPECTOR SUPERVISING PLUGGING Robert Bates

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lewis } ss:

Charles Lamp and Donald Ray Reed
being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Allegheny Land & Mineral well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 21st day of November, 19 74, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL	PLUGS USED SIZE & KIND	CASING	
			CSG PULLED	CSG LEFT IN
FORMATION <u>Helderberg, Chert</u> <u>Oriskany, Tulley Sds.</u>	Total Depth - <u>7491'</u>			
	Cement - <u>7491' - 6800'</u>			
	Aquagel - <u>6800' - 5900'</u>			
	Cut <u>1 1/2"</u> at <u>5900'</u> Abd. well	<u>1 1/2"</u>	<u>5090'</u>	<u>2137'</u>
<u>Shale</u>	Cement - <u>5900' - 5800'</u>			
	Aquagel - <u>5800' - 4550'</u>			
<u>Benson Sand</u>	Cement - <u>4550' - 4470'</u>			
	Aquagel - <u>4470' - 2400'</u>			
	Cement - <u>2400' - 2275'</u>			
	Aquagel - <u>2275' - 1925'</u>			
	Cement - <u>1925' - 1780'</u>			
	Aquagel - <u>1780' - 1670'</u>			
	Cement - <u>1670' - 1630'</u>	<u>9-5/8"</u>		<u>1649'</u>
	Aquagel - <u>1630' - 530'</u>			
	Cement - <u>530' - 500'</u>			
	Aquagel - <u>500' - 50'</u>	<u>13"</u>		<u>24'</u>
COAL SEAMS	Cement - <u>50' to surface</u>			
(NAME)		DESCRIPTION OF MONUMENT		
(NAME)		<u>9-5/8" Casing extended 30"</u>		
(NAME)		<u>above surface.</u>		
(NAME)				

and that the work of plugging and filling said well was completed on the 27th day of December November, 19 74.

And further deponents saith not.

Charles W. Lamp
Donald R. Reed

Sworn to and subscribed before me this 5th day of December, 19 74

My commission expires:
April 14, 1977

Glenn Dawson
Notary Public.

Permit No. Law-19173



RECEIVED 39-15
AUG 17 1973 9-22

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

Rotary
Spudder
Cable Tools
Storage
Oil or Gas Well Gas well

Quadrangle Vadis
Permit No. 105587
NEW-1917

WELL RECORD 8

Company Allegheny Land & Mineral Co.
Address P.O. Box 1479 Clarksburg, W. Va.
Farm S.D. Camden Acres 1800
Location (waters) Polk Creek of West Fork River
Well No. A-489 Elev. 1404
District Freemans Creek County Lewis
The surface of tract is owned in fee by S.A. Hall, Jr.
R-4 Box 475 Address Weston, W. Va.
Mineral rights are owned by S.A. Hall, Sr. et al
215 Slate Strack Address Weston, W. Va.
Drilling commenced June 17, 1973
Drilling completed July 5, 1973
Date Shot _____ From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls. 1st 24 hrs.
WELL ACIDIZED (DETAILS) _____
WELL FRACTURED (DETAILS) Fractured July 26, 1973 By Halliburton

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16	Not cemented		
13	24'	24'	
10	9-5/8" 1649'	1649'	Size of
8 1/4	Cemented to surface		
6 3/4			Depth set
5 3/16			
4 1/2	7480'	7480'	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Attach copy of cementing record.
CASING CEMENTED 4 1/2" SIZE 980 No. Fl. 7-7-73 Date
Amount of cement used (bags) - 280 bags
Name of Service Co. Halliburton
COAL WAS ENCOUNTERED AT NONE FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 10/10 Water 2" 133M
ROCK PRESSURE AFTER TREATMENT 1110# ----- 12 hr.
2125# ----- 14 1/2 hr.
Fresh Water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Chert Depth _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Soil			0	18			
Sand			18	80			
Shale & Red Rock			80	144			
Sand & shale			144	217			
Red Rock & shale			217	303			
Sand White			303	367			
Red Rock & shale			367	440			
Sand White			440	765			
Shale			765	813			
Sand Gray			813	871			
Shale			871	986			
Sand White			986	1046			
Shale			1046	1175			
Sand Gray			1175	1218			
Shale			1218	1308			
Sand Gray		Hard	1308	1330			
Shale & sand			1330	1499			
Lime			1499	1535			
Shale			1535	1645			
Big Lime			1645	1813			
Sand			1813	1894			
Sandy shale			1894	2325			
Sand 5th			2315	2339			
Sand			2339	2350			
Sand 5th			2350	2357			
Sandy shale			2357	2855			
Shale & sand			2855	4500			
Bensm sand			4500	4515			

4 1/2" casing perforated:
7058 to 7193 - 21 holes
7266 to 7412 - 13 "

(over)

Formation	Color	Hard or Soft	Top 8'	Bottom	Oil, Gas or Water	Depth Found	Remarks
Shale - sandy			4545	4595			
Shale			4595	6805			
Tulley Lime			6805	6842			
Marcellus Shale			6842	6992			
Onondaga Lime			6992	8023			
Chert			7023	7250			
Oriskany sand			7250	7345			
Helderberg Lime			7345	7491			
Total depth				7491			

Date August 9, 1973

APPROVED Allegheny Land & Mineral Co., Owner

By Claron Dawson, Supt.
(Title)

4704101917 P

WW-4A
Revised 6-07

1) Date: December 21, 2021
2) Operator's Well Number
SD Camden A-489
3) API Well No.: 47 - 041 - 01917

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>Donna L. Davis</u>	Name <u>NA</u>
Address <u>2128 Kincheloe Road</u>	Address _____
<u>Jane Lew, WV 26378</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>NA</u>
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Sam Ward</u>	(c) Coal Lessee with Declaration
Address <u>P. O. Box 2327</u>	Name <u>NA</u>
<u>Buckhannon, WV 26201</u>	Address _____
Telephone <u>304-389-7583</u>	_____

RECEIVED
Office of Oil and Gas
JAN 5 2021

TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

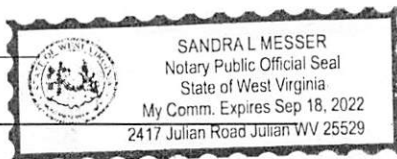
- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

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: Agent
 Address 414 Summers Street
Charleston, WV 25301
 Telephone 304-543-6988

Subscribed and sworn before me this 3rd day of January 2022
Sandra L. Messer Notary Public
My Commission Expires September 18, 2022



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 depprivacyoffier@wv.gov.

04/29/2022

4704101917P

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<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$



Postmark Here

Postage	\$
Total Postage and Fees	\$

USPS SDCamden A489

Sent To	Donna L Davis
Street and Apt. No., or PO Box No.	2128 Kincheloe Road
City, State, ZIP+4®	Jane Lew WV 26378

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

4704101917P

WW-9
(5/16)

API Number 47 - 041 - 01917
Operator's Well No. _____

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) Rush Run Quadrangle Camden

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: _____

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 _____)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain No fluids or wastes anticipated, any well effluent will be contained until disposed of at an approved disposal site)

Will closed loop system be used? If so, describe: No

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. NA

-If oil based, what type? Synthetic, petroleum, etc. NA

Additives to be used in drilling medium? NA

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. If any; remove off site to approved disposal site

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) NA

-Landfill or offsite name/permit number? NA

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

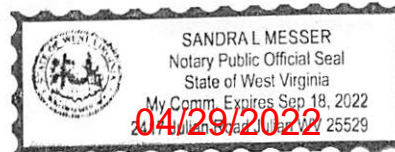
Company Official Title Director Technical Services, DGO

RECEIVED
Office of Oil and Gas
JAN 5 2021
WV Department of
Environmental Protection

Subscribed and sworn before me this 3rd day of January, 20 22

Sandra L. Messer Notary Public

My commission expires September 18, 2022



Form WW-9

Operator's Well No. _____

Proposed Revegetation Treatment: Acres Disturbed .5 acre Prevegetation pH _____

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer type 10/20/20

Fertilizer amount 500 lbs/acre

Mulch Straw 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Tall Fescue	40	Tall Fescue	40
Latino Clover	5	Latino Clover	5

**** Sediment Control Will Be In Place At All Times ****

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: _____

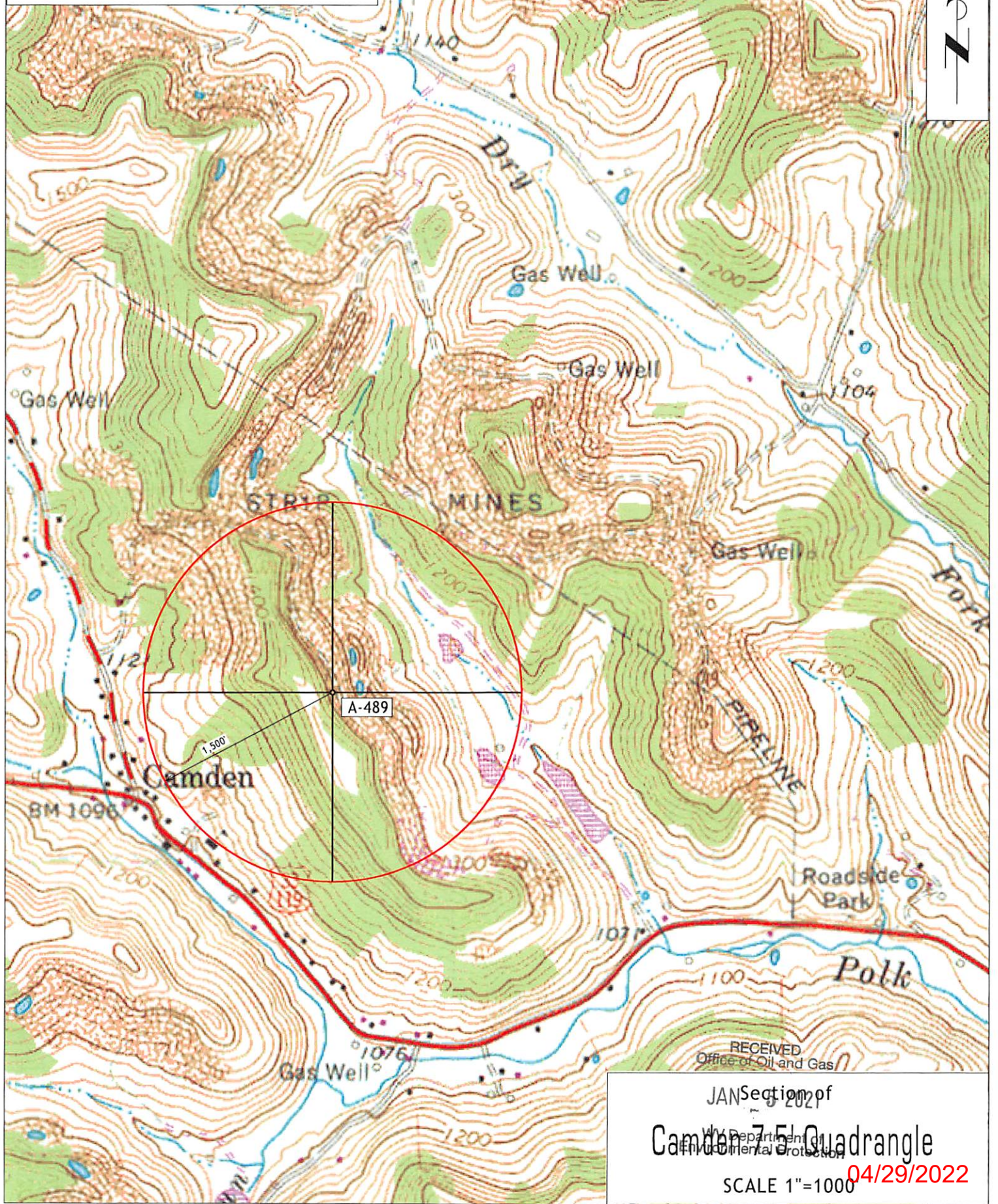
Title: OOG Inspector Date: 12/29/2021

Field Reviewed? () Yes (X) No

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Office of Oil and Gas
JAN 5 2021
WV Department of
Environmental Protection

SUBJECT WELL
S.D. Camden No.A-489
47-041-01917

4704101917P



RECEIVED
Office of Oil and Gas

JAN 9 2022
Section of
Camden 7.5' Quadrangle
WV Department of
Environmental Protection
SCALE 1"=1000
04/29/2022

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

API: 47- 041 - 01917 WELL NO: A-489

FARM NAME: S.D. Camden

RESPONSIBLE PARTY NAME: Diversified Production, LLC

COUNTY: Lewis DISTRICT: Freemans Creek

QUADRANGLE: Camden 7.5'

SURFACE OWNER: Donna L. Davis

ROYALTY OWNER: _____

UTM GPS NORTHING: 4,323,147

UTM GPS EASTING: 537,994 GPS ELEVATION: 428 m. (1404')

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit on the above well. The Office of Oil & 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	<input type="checkbox"/>	Post Processed Differential	<input type="checkbox"/>
		Real-Time Differential	<input type="checkbox"/>
Mapping Grade GPS	<input checked="" type="checkbox"/>	Post Processed Differential	<input checked="" type="checkbox"/>
		Real-Time Differential	<input type="checkbox"/>

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.

Diane White
Signature

4/22/2022
Date

Agent - HG Energy LLC
Title