

#### 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, May 22, 2023 WELL WORK PLUGGING PERMIT Vertical Plugging

WEST VIRGINIA LAND RESOURCES, INC. 46226 NATIONAL ROAD WEST

ST. CLAIRSVILLE, OH 43950

Permit approval for WEST VIRGINIA LAND RESOURCES / WELL NO. 8232 Re: 47-061-01936-00-00

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: WEST VIRGINIA LAND RES

Farm Name:

GEORGE D. SIX

U.S. WELL NUMBER: 47-061-01936-00-00

Vertical Plugging

Date Issued: 5/22/2023

## 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. 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.

WW-4B Rev. 2/01

1)Date	MARC	H 31		20_	23
21Opera	tor's				
Well	No.		8232	2	
BIAPT W	ell No.	47-	961	-	70173

# STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

	ADDITE ATTON TOP A DE	ERMIT TO PLUG AND ABANDON
4)		uid injection/ Waste disposal/ Underground storage) Deep/ Shallow
	(II Gas, Production or (	Underground Storage, Deep, Sharrow
5)	Location: Elevation 1119.18	Watershed MIDDLE FORK OF SOUTH FORK OF WEST VIRGINIA FORK OF DUNKARD CREEK
9,	District BATTELLE	County MONONGALIA Quadrangle WADESTOWN W.VA,PA
		99388
6)	Well Operator West VIRGINIA LAND RESOURCES IN	C. 7) Designated Agent DAVID RODDY
	Address 1 BRIDGE STREET	Address 1 BRIDGE STREET
	MONONGAH, WV 26554	MONONGAH, WV 26554
6)	Oil and Gas Inspector to be notified	
	Name GAYNE KNITOWSKI	Name
	Address P.O. BOX 108	Address
	GORMANIA, WV 26720	The second secon
	Marion County Mine	e (MSHA ID# 46-01433 )
	MSHA 101-C Docket	<del>-</del>
	M2UM TOT-C DOCKET	
		RECEIVED Office of Ōil and Gas
	Approximate Surface	e Elevation = 1119' MAY 1 5 2023
	Approximate Botton	m Of Coal = 170'  WV Department of Environmental Protection
	Approximate Depth	= 949'
	fication must be given to the district can commence.	oil and gas inspector 24 hours before permitted
		Digitally signed by 6-42023
vork		Gayne Knitowski
. V N	·	17. TVIA.CA. TVI VVI  Angle man (application) and application (application) and application (application) application (app

#### **EXHIBIT NO. 1**

From the experience and technology developed since 1970 in plugging oil and gas wells for mining through, Consolidation Coal Northern West Virginia Operations will utilize the following method to plug all future wells.

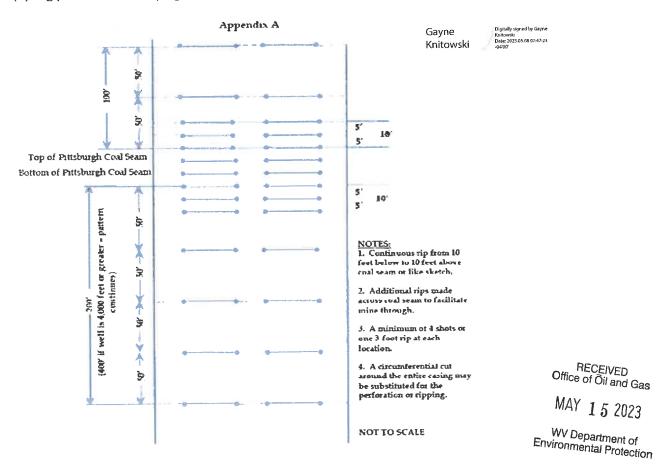
#### SOLID PLUG METHOD

NO WELL BONE PRESENT

(a) If active well: clean out to total depth and set solid cement plug from TD back to minimum of 200 feet below lowest minable coal seam



- (b) If abandoned well: Entire wellbore will be loaded with Gel and will clean out to at least 200 feet below lowest minable coal seam.
- (c) A diligent attempt will be made by pulling 150% of the calculated string weight to remove casing.
- (d) If all diligent attempts fail, the casing will be cut, ripped or perforated according to Appendix A below
- (c) Circulate through tubing or drill steel an expanding Class A cement plug from a minimum of 200 feet below lowest minable coal seam to 100' above coal seam.
- (d) Tag previous cement plug, cement from 100' above coal seam to surface.







## 4706101936

WV Geological & Economic Survey:

3/30/23, 6:09 AM

Enter Permit #: 70178

Select County (061) Monongalia V Select datatypes: [... (Check All)

WVGES O&G Record Reporting System

Well: County = 061 Permit = 70178 Link to all digital records for well

Owner information:

[API CMP\_DT SUFFIX STATUS SURFACE OWNER WELL\_NUM CO\_NUM LEASE LEASE\_NUM MINERAL\_OWN OPERATOR\_AT\_COMPLETION PROP\_YD PROP\_TRGT\_FM TFM\_EST\_PR

4706170178 -4-1- Original Loc Completed Solm Shriver

2356

Report Time: Thursday, March 30, 2023 6:06:39 AM

Get Data Reset Location

Owner/Completion Strategraphy
Psyl/Show/Writer
Logs

Plugging
Sample
Bim Hole Loc

Completion Information:

API CMP\_DT SPUD\_DT ELEY DATUM FIELD DEEPEST\_FM DEEPEST\_FMT DMTMAL\_CLASS FINAL\_CLASS TYPE RIG CMP\_MTHD TYD TMD NEW\_FTG KOD G\_BEF G\_AFT O\_BEF O\_AFT NGL\_BEF NGL\_AFT P\_BEF TLBEF P\_AFT TLAFT BM\_P\_BEF
4706170178 4/- 44-

There is no Pay data for this well

There is no Bottom Hole Location data for this well

Location Information: Verw Map.

API COUNTY PERMIT TAX\_DISTRICT QUAD\_75 QUAD\_15 LAT\_DD LOW\_DD UTME UTMN
4706170178 Monorgatis 70178 Battelia Wadestown Mannington 39,65298 -90,365278 554486,5 4390577

There is no Production Gas data for this well

There is no Production Oil data for this well \*\* some operators may have reported NGL under Oil

There is no Production NGL data for this well \*\* some operators may have reported NGL under Oil

There is no Production Water data for this well

There is no Stratigraphy data for this well

Wireline (E-Log) Information:
There is no Scanned/Paper Log data for this well

\* There is no Digitized Log data for this well

\* There is no Scanned or Digital Logs available for download

There is no Plugging data for this well

There is no Sample data for this well

Pipeline-Plus

3/30/23, 6:08 AM

West Virginia Geological and Economic Survey banner

Oil & Gas Well Header Data Search

Oil & Gas Well Header Data Search

Scanned Log Type: 7,5 Minute Quad; County: API#; 4706170178 < About = Interactive Mapping = 0%36as Well Header Data Search = "Pipeline" = File Repositionies = Digital Records Search = Slabbed Core Photos (0.1)

Well Type: Total Vertical Depth TVD(ft) >= Completion Year \*

Please enter or select criteria to perform database search. The application uses an "and" operator between search fields. Searches will not be performed if the required field criteria is not met. Error messages are indicated in RED, Last Producing Operator (contains): Operator at Completion (contains): Company Number (contains): Surface Owner (contains): Mineral Owner (contains): Field Name (contains): กกักรักษาก 3 characters if searching minimum 3 characters if searching

has Slabbed Core Photo(s): []
Horizontal/Dewated Well. []

Results/Page: 100 -Order By: API Search Reset

has Sample Desc Scan: [] has Scanned Log(s): 
has Digitized Log(s): Scanned Log Bottom (ft) >=

1 Records Found, showing page 1 of 1 at 100 records per page Pipeline Map ELog DLog Files County DD Long DD Lat UTME UTMN 7.5 Quad Tax Scant

Files Monongalia -80.365028 39.863268 554466,5 4390577 Wadestown Battella

4706170178 All Data View

Scanned Log Logs Etm Suffix

Original Location Completed

Startus

Comp Well Type Operator at Year

not available. Philadelphia Company, The

Last Surface Producing Owner Operator

Sol M Shriver Well Comp Mineral Unit/Lease L 2306

14

WVGES Home Contact Us Disclaimer

WW-4A	
Revised	6-07

1) Date:	MARCH 31, 2023				
2) Operator's Well Numb	er				
	8232				
3) API Well No.: 47 -	061 -	70178			

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

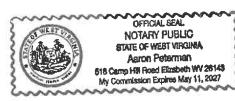
4)	Surface Own	er(s) to be served:	5) (a) Coal Operator		
•	(a) Name	GEORGE D. SIX	Name	WEST VIRGINIA LAND RESOURCES INC.	
	Address	11023 MASON DIXON HWY	Address	1 BRIDGE STREET	
		BURTON, WV 26562	-	MONONGAH, WV 26554	
	(b) Name		(b) Coal Own	ner(s) with Declaration	
	Address		Name		
			Address		
	(c) Name		Name		
	Address		Address		
6)	Inspector	GAYNE KNITOWSKI	(c) Coal Less	see with Declaration	
	Address	P.O. BOX 108	Name		
		GORMANIA, WV 26720	Address		
	Telephone	(304) 546-8171			

#### 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	WEST VIRGINIA LAND RESOURCES INC.	
By:	DAVID RODDY	RECEIVED
Its:	PROJECT ENGINEER	Office of Oil and Gas
Address	1 BRIDGE STREET	MAY = - as
	MONONGAH, WV 26554	WAT 1 5 2023
Telephone	(304) 534-4748	WV Department of
		Environmental Protection

Subscribed and sworn before me this	Z4th day of	APril Z	2023	
an gar			Notary Public	
My Commission Expires	/27			

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.

## 4706101936 ?



RECEIVED
Office of Oil and Gas

MAY 1 5 2023

WW-4B

API No.	47-061-70178
Farm Name	
Well No.	8232

#### INSTRUCTIONS TO COAL OPERATORS OWNERS AND LESSEE

The well operator named on the obverse side of WW-4 (B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less then five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas.

This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

NOTE: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee for plugging" prior to the issuance of this plugging permit.

WAI	VER

The undersigned coal operator / owner / lessee / of the coal under this well location has examined this proposed plugging work order. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Its 5-4-23 Agent

Date: 5-4-23

RECEIVED
Office of Oil and Gas

MAY 1 5 2023

WW-9 (5/16)

API Number 4	<del>1</del> 7 -	061	70178
Operator's We	ll N	0. 545	2

#### STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

PLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN
Operator Name WEST VIRGINIA LAND RESOURCES INC. OP Code
Watershed (HUC 10) MINDLE FORK OF SOUTH FORK OF WEST VIRIONIA FORK OF DUNKARD GREEK Quadrangle WADESTOWN W.VA,PA
Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes No W
If so, please describe anticipated pit waste:
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_Tanks, see attached letter
Will closed loop system be used? If so, describe: Yes. Gel circulated from tank thru well bore and returned to tank
Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Gel or Cement
-If oil based, what type? Synthetic, petroleum, etc.
Additives to be used in drilling medium? Bentonite, Bicarbonate of Soda
Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Shaker cutting buried on site.
-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 o btaining 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.  RECEIVED  Office of Oil and Gas
Company Official Signature MAY 1 5 2023
Company Official (Typed Name) Savid Meday
Company Official Title Project Engineer WV Department of Environmental Protection
Subscribed and sworn before me this 24th day of 4D-:1  Notary Pulsical SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA Aaron Peterman  My commission expires 5/11/27  My Commission Expires Mey 11, 2027

### 4706101936

Consolidation Coal Company Northern West Virginia Operations 1 Bridge Street Monongah, WV 26554

phone: 304-534-4748 fax: 304-534-4739

e-mail: ronnieharsh@consolenergy.com

web: www.coalsource.com

\*Name: RONNIE HARSH \*title: Project Engineer

April. 7, 2014

Department of Environmental Protection Office of Oil and Gas 601 57th Street, SE Charleston, WV 25304-2345 Phone: (304) 926-0499 Fax: (304) 926-0452

#### To Whom It May Concern:

As per the Department of Environmental Protection, Office of Oil and Gas request, Consolidation Coal Company, Northern West Virginia Operations, submits the following procedures utilizing pit waste.

Upon submitting a well work application (without general permit for Oil and Gas Pit Waste Discharge Application), Consolidation Coal Company, Northern West Virginia Operations, will construct no pits, but instead will use mud tanks to contain all drilling muds.

Once the well is completed, that material (minus the cave material) will be trucked to the next well to be plugged or to DEP impoundment facilities number U-78-83, U-104-83, or U-1011-93.

Sincerely,

Ronnie Harsh Project Engineer

Roma Wand

RECEIVED
Office of Oil and Gas

MAY 15 2023

Operator's Well No. 8232 Form WW-9 Proposed Revegetation Treatment: Acres Disturbed 1 Preveg etation pH \_\_\_\_\_ \_\_\_\_Tons/acre or to correct to pH 6.0 Fertilizer type 10-20-20 or equivalent Fertilizer amount 500 \_lbs/acre Mulch 2 **Seed Mixtures** Temporary Permanent Seed Type lbs/acre Seed Type lbs/acre See Attachment See Attachment 100 100 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. Gayne Plan Approved by: Knitowski

5-8-203

Date:

Title: Inspector

Field Reviewed?

(X)Yes

06/16/2023

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NOTICE TO CONSUMERS
"Notice Arbitation/resideticn/mediation required
by several states. Under the seed levre of several
strikes, writination, mediation, or considerion is strict, erbitation, medition, or consistent is required as a prerequisite to restrictioning a legal action beard upon the fature of seed, to which this notice is stached, to produce as represented. The consume that the a complexity levers for AP, FL, NA, SS, GC, TL, WA, signed only CA, ID, NO, SO) along with the required timp the left was applicable with the Commissiona-Directionary of Agricultural Colors within such time as to permit respected of the crops, plants, or trees by the description of the crops, plants, or trees by the description of the crops, plants, or trees by the description of the crops, plants, or trees by the description of the crops, plants, or trees by the description of the crops, plants, or trees by the description of the complete shall be very to the sentent by function or register and making the complete shall be very to the sentent by the crops of the complete.

NORCE TO BUYER WE WARRANT THAT REEDS WE SELI WILL CONFORM TO THE LASSL DESCRIPTION REQUIRED UNDER STATE AND PEDERAL LAWS. WITHIN RECORNEED TO LEPHANCES. WE MAKENO WARRANTES, EXPRESSED OTH MUTER, OF MERCHANT/SALTY, HTHESE FOR PURPOSE, OR OTHERMISE, WHICHWOULD DOTHER BEYOND SUCH DESCRIPTIONS, AND HAMY EVENT OUR LABELTY FOR BREACH OF ANY WASHATY OR CONTRACT WITH RESPECT TO SUCH SEED IS LIMITED TO THE PURCHASE PHICE OF SUCH SPECIA

HIXTURE-COASTAL S LOT NO: THIEBE CROP: .58	EEO 2015 INERT: 1.58 VEED SEED	.26		Misse Misses		
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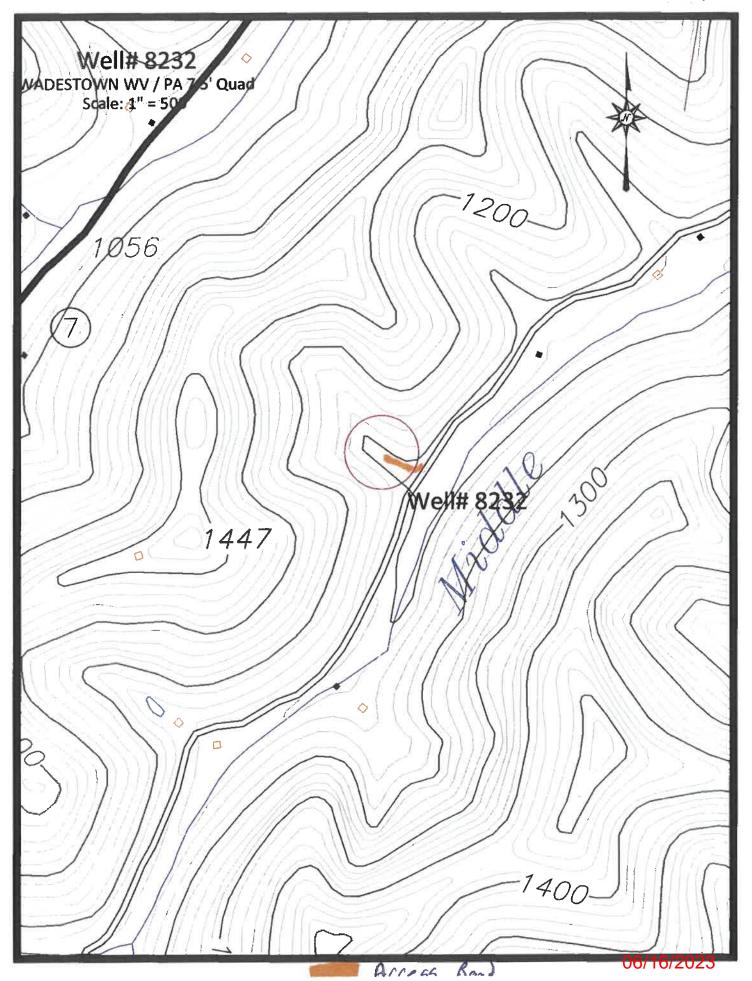
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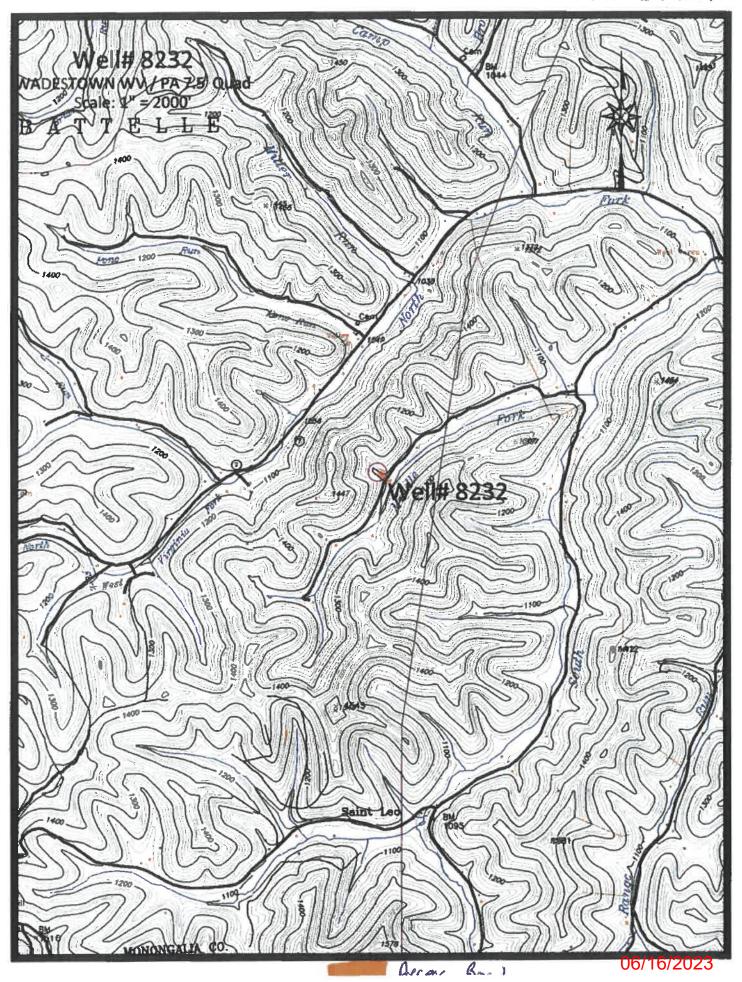
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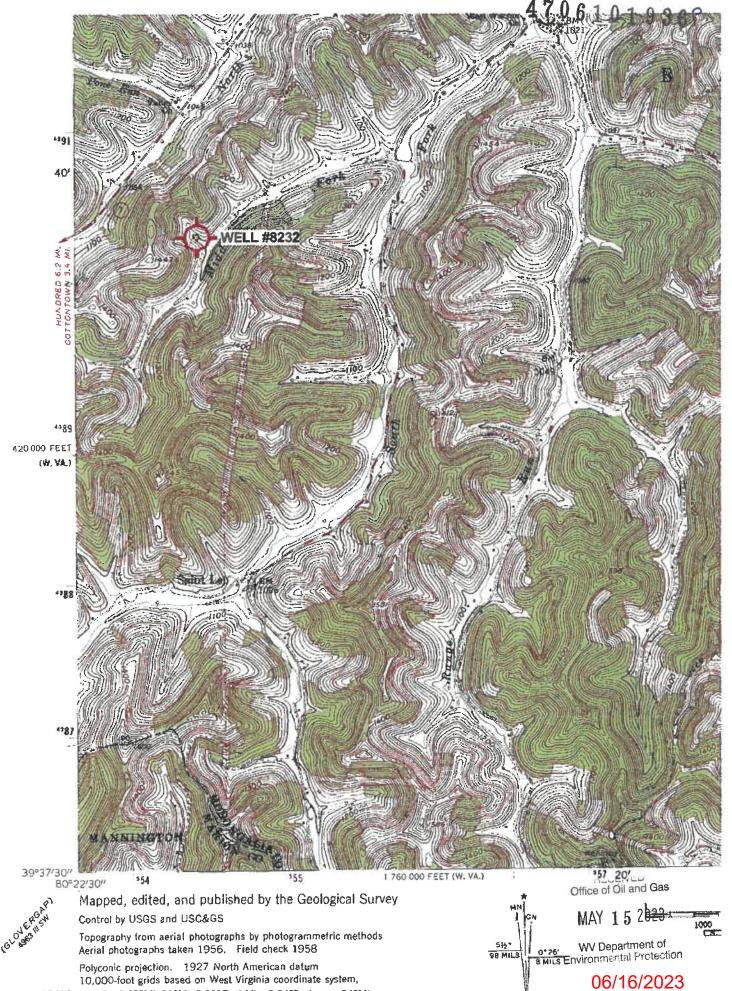
RECEIVED
Office of Oil and Gas

MAY 15 2023









'Wadestown: WV.PA' Scale: 1" = 0.379Mi 610Mt 2.000Ft 1 Mi = 2.640" 1 cm = 240Mt

WW-7 8-30-06



## West Virginia Department of Environmental Protection Office of Oil and Gas

### WELL LOCATION FORM: GPS

47-061-70178 WELL NO.: 8232	
FARM NAME: SOLOMON M. SHRIVER	
RESPONSIBLE PARTY NAME: WEST VIRGINIA LAND RESOURCES INC.	
COUNTY: MONONGALIA DISTRICT: BATTELLE	
DUADRANGLE: HUNDRED W.VA,PA	
SURFACE OWNER: GEORGE D. SIX	
ROYALTY OWNER:	
UTM GPS NORTHING: 4,390,521 m (118.5') UTM GPS EASTING: 554,437 m GPS ELEVATION: 341 m	
UTM GPS EASTING: 554,437 m GPS ELEVATION: 341 m	
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 MAY 1 5 202.  Real-Time Differential WV Department of Environmental Protection.  Beal-Time Differential X: Post Processed Differential X Department of Environmental Protection.	3
Real-Time Differential	
4. Letter size copy of the topography map showing the well location. 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.	
Professional Surveyor MARCH 31, 2023	
Title Date	