



west virginia department of environmental protection

Office of Oil and Gas  
601 57<sup>th</sup> Street, S.E.  
Charleston, WV 25304  
(304) 926-0450  
fax: (304) 926-0452

Harold D. Ward, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Tuesday, June 29, 2021  
WELL WORK PLUGGING PERMIT  
Vertical Plugging

VIKING INTERNATIONAL RESOURCES CO., INC.  
1300 FORT PIERPONT DR., SUITE 201  
MORGANTOWN, WV 26508

Re: Permit approval for MULLENAX 4-125  
47-085-09140-00-00

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: MULLENAX 4-125  
Farm Name: PAYNE, ALVIN & L. CARLIN  
U.S. WELL NUMBER: 47-085-09140-00-00  
Vertical Plugging  
Date Issued: 6/29/2021

Promoting a healthy environment.

07/02/2021

I

47-085-09140 P

## 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 under the terms of that agreement.

07/02/2021



Well Name:	J.L. Mullenax #4-125	Casing	Depth	OH	Comment	Shot interval
API # :	47-085-09140	Cond.	?			1947' - 1967'
County/St.	Ritchie, WV	10"	??	12"	Pulled	
Elev.	1121 ft.	8 1/4"	1210'	9 3/4"	Pulled	
TD	1992 ft.	6 1/4"	1770'	8"	Left in well	

**Comments:** Hole diameter sizes are assumptions. No record of hole sizes in well file  
 Access road and location to be constructed per WVDEP Regs and pre-seeded  
**All tubulars pulled from the well need to be NORM tested.** Contractor gets all salvage pulled from the well  
 All fluids circulated from the wellbore are to be disposed of properly and documentation provided  
 Contractor will follow all SWN HSER requirements  
**\*\* Company was planning to drill deeper this well. They cleaned out the original hole to TD ( 1980 ft.) and then make another 12 ft. to 1992 ft.**  
**Tubing was ran to the new TD and the open-hole was cemented back with 125 sacks Class A w/ 2% gel, 1/4 #/sk flocele. Pulled tubing above estimated cement top WOC, tagged TOC @ 1412 ft. Bailed 6 1/4" casing dry and hand mixed another 25 sacks of Portland cement . Spotted additional cement w/ bailer . Plug back depth is between 1117 ft. - 1265 ft. ( Cement top is 500ft. - 600 ft up inside the 6 1/4" casing)**

#### Procedures

- 1) MIRU all plugging equipment, install all sediment and erosion controls and secondary containment
- 2) Dig out around wellhead and set 4-5 ft. of 20" conductor if 16" conductor is not found. Hand cement outside of conductor with bag cement ( This is to control and capture inadvertent returns from the backside of the 6 1/4" casing)
- 3) Check pressures and bleed off if present.
- 4) Check well TD with cable tools to determine actual plug back depth . **Note : If TD is significantly different from the well record TD notify WVDEP Inspector**
- 5) TIH with workstring to TD. Pump 30 bbls. of 6% Gel, TOO H with workstring to 1150 ft.
- 6) Spot cement plug from 1150 ft - 1050 ft. ( 17sacks - Class A), TOO H with workstring
- 7) RU and find free point on 6 1/4" casing ( Estimate F.P. @ 600 ft. - 700 ft. ). CUT/RIP 6 1/4" casing @ F.P. ( Est. - 650 ft.) and pull several joints of 6 1/4" casing.
- 8) TIH with workstring to set cement plug across 6 1/4" casing cut to 700 ft. Pump 30 bbls of 6% Gel and spot cement plug from 700 ft. - 600 ft. ( 44 sacks -Class A)
- 9) TOO H with workstring and then pull remaining 6 1/4" casing out of the wellbore.
- 10) TIH with workstring to 300 ft. If wellbore has not circulate pump 6% Gel until well circulates. Spot cement plug from 300 ft. - 200 ft. ( 67 sacks-Class A)
- 11) TOO H with workstring to 100 ft. Spot cement plug from 100 ft. - Surface . ( 67 sacks -Class A)
- 12) TOO H with workstring, top off wellbore with cement if needed
- 13) Erect monument per WVDEP Regs.
- 14) RDMO equipment, dispose of circulated fluids properly
- 15) Reclaim location and access road to WVDEP Regs.

RECEIVED  
Office of Oil and Gas

MAY 28 2021

WV Department of  
Environmental Protection

4708509140P

4708509140P

**BOOTS & COOTS**  
THIRTY YEARS OF EXCELLENCE

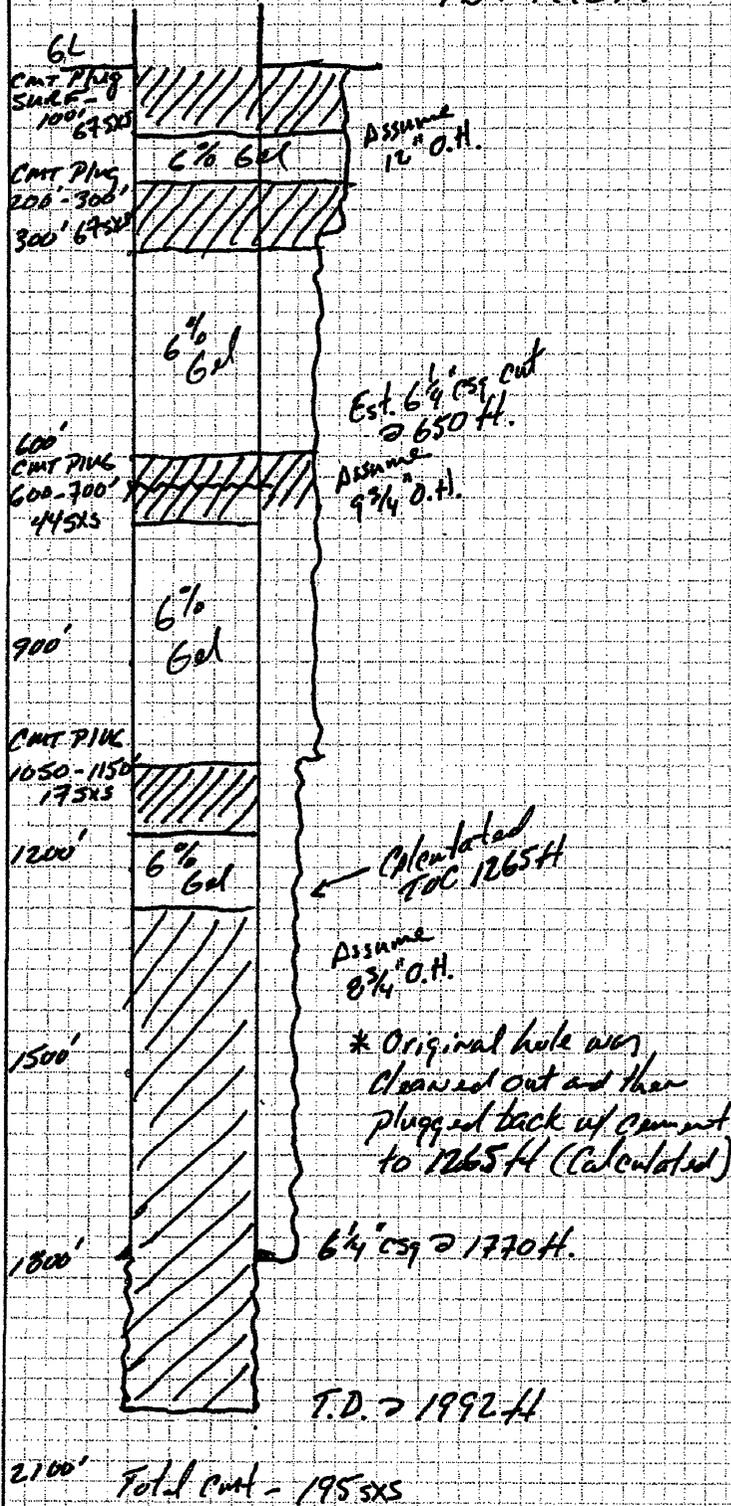
NAME: J.L. Muller #4-125  
APT #: 42-085-09140  
Elev.: 1121 ft.  
TD: 1992 ft.

CASING	Depth	O.H.	Comment
10"	??	12'	Pulled
8 3/4"	??	9 3/4'	Pulled
6 3/4"	1770'	8 3/8"	Left in well.

Note: Original hole cleaned out to T.D. and plugged back w/ cement TD (1117-1265')

Cmt plugs

- 1) FEH Check T.D. of cable tools
- 2) T.H. w/ W.S. to TD. Pump 30 bbls 6/6 gel
- 3) T.O.H. w/ W.S. to 1150 ft. Spot cmt plug from 1150 ft - 1050 ft (17 sxs - Class A)
- 4) T.O.H. w/ W.S. R.U. to find Frac Point of 6 3/4" casing (Est. F.P. @ 600-700') Cut/RIP 6 3/4" csg @ F.P. (Est. 650') and pull several joints
- 5) T.H. w/ W.S. to 700 ft. Spot cmt plug across 6 3/4" casing cut from 700 ft - 600 ft (Pump 30 bbls 6/6 gel ahead of cmt) @ 44 sxs Class A
- 6) T.O.H. w/ W.S. and pull remaining 6 3/4" casing. NORM Test 6 3/4" casing
- 7) T.H. w/ W.S. to 300 ft. Circulate lode w/ 6/6 gel if it has not circulated. Spot cement plug from 300 ft - 200 ft (67 sxs Class A).
- 8) T.O.H. w/ W.S. to 100 ft. Spot cmt plug from 100 ft - SURFACE (67 sxs - Class A)
- 9) T.O.H. w/ W.S. CRECT Monument.



RECEIVED  
Office of Oil and Gas  
MAY 28 2021  
WV Department of  
Environmental Protection

7908 N. Sam Houston Pkwy., 5th Floor  
Houston, TX 77064

office: 281.931.8884  
fax: 281.931.8302

main: 1.800.BLOWOUT  
web: www.boots-coots.com

07/02/2021

4708509140P

WR-35  
Rev (5-01)

DATE:  
API #: 9140-DD

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

Well Operator's Report of Well Work

Farm name: J.L. Mullenax (Payne A.) Operator Well No.: # 4-175

LOCATION: Elevation: 1121 GL Quadrangle: Cairo

District: Grant County: Ritchie

Latitude:            Feet South of            Deg.            Min.            Sec.

Longitude            Feet West of            Deg.            Min.            Sec.

RECEIVED  
Office of Oil & Gas  
Office of Chief  
MAY 01 2006  
WV Department of  
Environmental Protection

Company: Virco, Inc.

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: <u>P.O. Box 100</u> <u>Reno, Ohio 45773</u>	<u>6 1/4"</u>	<u>1370'</u>	<u>1370'</u>	<u>Hung</u>
Agent: <u>Llyod Todd</u>				
Inspector: <u>Steve Mossor</u>				
Date Permit Issued: <u>2/03/2005</u>				
Date Well Work Commenced: <u>3/07/2005</u>				
Date Well Work Completed: <u>4/01/2005</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <u>          </u> Cable <u>          </u> Rig <u>          </u>				
Total Depth (feet): <u>1990' (1980')</u>				
Fresh Water Depth (ft.): <u>N/A</u>				
Salt Water Depth (ft.): <u>N/A</u>				
Is coal being mined in area (N/Y)? <u>No</u>				
Coal Depths (ft.): <u>N/A</u>				

OPEN FLOW DATA

Producing formation N/A Pay zone depth (ft) N/A

Gas: Initial open flow            MCF/d Oil: Initial open flow            Bbl/d

Final open flow            MCF/d Final open flow            Bbl/d

Time of open flow between initial and final tests            Hours

Static rock Pressure            psig (surface pressure) after            Hours

Second producing formation            Pay zone depth (ft)           

Gas: Initial open flow            MCF/d Oil: Initial open flow            Bbl/d

Final open flow            MCF/d Final open flow            Bbl/d

Time of open flow between initial and final tests            Hours

Static rock Pressure            psig (surface pressure) after            Hours

RECEIVED  
Office of Oil and Gas  
MAY 28 2021  
WV Department of  
Environmental Protection

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed: Ben Smeltzer  
By: Ben Smeltzer  
Date: 4/27/06

\*Decision made to not deepen well.

07/02/2021

4708509140P

THUNDER CORPORATI

Lease No.

Acres 125

Name J. L. Mullenax

Well No. 4

85-09140D

N. S. E. W. Loc. Made

Purchase From

District Grant

Dr'g Start 9-18-12

Date Purchase

County Ritchie

Dr'g Finish 10-15-12

Sold to

State W. Va.

Dr'g Cont'or

Date Sold

Rights Owner

Deepened

Abandoned

FORMATION

CASING RECORD

Kind	Top	Bottom	M'ure line	Tests	Size	Bottom (line)	Bottom (taly)	Pulled	Ce
Salt	1916				10"			X	
Oil		1951			8 1/4"		1210'	1210'	
					6 1/4"	13# top	1370'		
T.D.		1980			6 1/4"	17#	400'		
							1770'		

PACKERS AND SHOES

Kind	Size	Depth Set	Date

TORPEDO RECORD

Date	No. Ots	Shell	Top	Bottom
10-18-12	75	3-5"	1947	1967

DRILLING DEEPER

Start	Finish	Int. Dep.	Fin'h	Con

ABANDONMENT RECORD

Mat'l	From	To	PLUG		
			Size	Kind	Depth

RECEIVED  
Office of Oil and Gas  
MAY 28 2021  
WV Department of  
Environmental Protection

RECEIVED  
Office of Oil and Gas  
MAY 28 2021  
Department of  
Protection

RECEIVED  
Office of Oil & Gas  
Office of Chief  
JAN 18 2005  
WV Department of  
Environmental Protection

Int. Prod. Sand I.P. 30 Days

Oil

Gas

COPY

07/02/2021

1) Date: 5/27/21 **4708509140P**  
2) Operator's Well Number  
J.L. Mullenax 4

3) API Well No.: 47 - 085 - 09140

**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>Carlin Lee Payne</u>	Name <u>N/A</u>
Address <u>1121 US Highway 11 Lot 32</u>	Address _____
<u>Gouverneur, NY 13642</u>	_____
(b) Name <u>Alvin Payne</u>	(b) Coal Owner(s) with Declaration
Address <u>121 1/2 W. Ottawa St</u>	Name _____
<u>Richwood, OH 43344</u>	Address _____
_____	_____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Derek Haught</u>	(c) Coal Lessee with Declaration
Address <u>PO Box 85</u>	Name _____
<u>Smithville, WV 26178</u>	Address _____
Telephone <u>304-206-7613</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.

RECEIVED  
Office of Oil and Gas  
  
MAY 28 2021  
  
WV Department of  
Environmental Protection

Well Operator Virco  
 By: Brittany Woody  
 Its: Senior Regulatory Analyst  
 Address 1300 Fort Pierpont Dr., Suite 207  
Morgantown, WV 26508  
 Telephone 304-884-1610

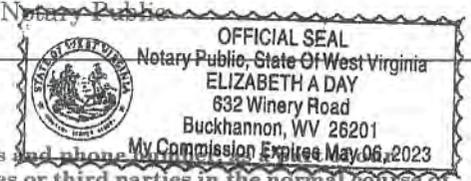
*Brittany Woody*

Subscribed and sworn before me this 20th day of April 2021

My Commission Expires 5/16/2023

Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, for 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](mailto:depprivacyofficer@wv.gov).



07/02/2021

4708509140P

7020 2450 0001 6476 9292

**U.S. Postal Service™**  
**CERTIFIED MAIL® RECEIPT**  
*JL Mullerax y*  
 Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)

**OFFICIAL USE**

Certified Mail Fee \$ 7.36

Extra Services & Fees (check box, add fee as appropriate)

<input type="checkbox"/> Return Receipt (hardcopy)	\$	
<input type="checkbox"/> Return Receipt (electronic)	\$	
<input type="checkbox"/> Certified Mail Restricted Delivery	\$	
<input type="checkbox"/> Adult Signature Required	\$	
<input type="checkbox"/> Adult Signature Restricted Delivery	\$	

Postage

**Postmark Here**  
 MAY 27 2021  
 10000  
 USPS • 20201

**Alvin Payne**  
 121 1/2 W. Ottawa St  
 Richwood, OH 43344

7020 2450 0001 6476 9285

**U.S. Postal Service™**  
**CERTIFIED MAIL® RECEIPT**  
*JL Mullerax y*  
 Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)

**OFFICIAL USE**

Certified Mail Fee \$ 7.36

Extra Services & Fees (check box, add fee as appropriate)

<input type="checkbox"/> Return Receipt (hardcopy)	\$	
<input type="checkbox"/> Return Receipt (electronic)	\$	
<input type="checkbox"/> Certified Mail Restricted Delivery	\$	
<input type="checkbox"/> Adult Signature Required	\$	
<input type="checkbox"/> Adult Signature Restricted Delivery	\$	

Postage

**Postmark Here**  
 MAY 27 2021  
 10000  
 BUCKHANNON WV  
 25801

**Carlin Lee Payne**  
 1121 US Highway 11 Lot 32  
 Gouverneur, NY 13642

RECEIVED  
 Office of Oil and Gas  
 MAY 28 2021  
 WV Department of  
 Environmental Protection

07/02/2021

WW-9  
(5/16)

JUN 3 2021

WV Department of  
Environmental Protection

API Number 47 - 085 - 09140  
Operator's Well No \_\_\_\_\_

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS  
FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Virco OP Code 7434

Watershed (HUC 10) Gillespie Run Quadrangle Cairo

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  Any well effluent will be contained in tanks before disposing off-site

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 TBD pending selection of plugging contractor )
- 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? \_\_\_\_\_

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 *Brittany Woody*  
Company Official (Typed Name) Brittany Woody  
Company Official Title Senior Regulatory Analyst

Subscribed and sworn before me this 20th day of April, 2021  
*Elizabeth A Day* Notary Public  
My commission expires 5/6/2023



Proposed Revegetation Treatment: Acres Disturbed ONE Prevegetation pH 5.5

Lime Two Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20

Fertilizer amount 500 lbs/acre

Mulch 50 Bales 2.5 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
		Orchard Grass	30%
		Rye (annual @BT)	35%
		Timothy (Climax)	25%
		Clover (Med.Red)	10%

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: Derek M. Haught

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

RECEIVED  
Office of Oil and Gas  
MAY 28 2021  
WV Department of  
Environmental Protection

Title: Oil & Gas Inspector Date: 5/26/21

Field Reviewed? ( X ) Yes ( ) No

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS  
GROUNDWATER PROTECTION PLAN

Operator Name: Virco  
Watershed (HUC 10): Gillespie Run Quad: Cairo  
Farm Name: \_\_\_\_\_

- 1. List the procedures used for the treatment and discharge of fluids. Include a list of all operations that could contaminate the groundwater.

Plug to abandon operations.

- 2. Describe procedures and equipment used to protect groundwater quality from the list of potential contaminant sources above.

Containment will be in place around the well. A portable pit will be used for fluids.

- 3. List the closest water body, distance to closest water body, and distance from closest Well Head Protection Area to the discharge area.

N/A

RECEIVED  
Office of Oil and Gas  
MAY 28 2021  
Department of  
Environmental Protection

- 4. Summarize all activities at your facility that are already regulated for groundwater protection.

N/A

RECEIVED  
Office of Oil and Gas  
MAY 28 2021  
WV Department of  
Environmental Protection

- 5. Discuss any existing groundwater quality data for your facility or an adjacent property.

N/A

6. Provide a statement that no waste material will be used for deicing or fill material on the property.

No waste materials will be used for the deicing of area or equipment. Waste materials, if any, will not be used for material fill on the property.

7. Describe the groundwater protection instruction and training to be provided to the employees. Job procedures shall provide direction on how to prevent groundwater contamination.

All employees are assigned spill protection training. Spill kits and containment are available and utilized on every work site.

8. Provide provisions and frequency for inspections of all GPP elements and equipment.

Inspections will be done before and during operations by designated employees.

Signature: Brittany Woody

Date: 5/27/21

RECEIVED  
Office of Oil and Gas  
MAY 28 2021  
Department of  
Environmental Protection

47-085-09140



47-085-09140-00-00  
483531.6E, 4331513N, UTM17 NAD83

MURPHY

Mellin

Chapel

Oil Wells

Oil Wells

Oil Wells

Oil Wells

WW-7  
8-30-06



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

API: 47-085-09140 WELL NO.: 4  
 FARM NAME: J.L. Mullenax  
 RESPONSIBLE PARTY NAME: Virco  
 COUNTY: Ritchie DISTRICT: Grant  
 QUADRANGLE: Cairo  
 SURFACE OWNER: Alvin Payne & Carlin Lee  
 ROYALTY OWNER: Alvin Payne & Carlin Lee  
 UTM GPS NORTHING: 4,331,513.00  
 UTM GPS EASTING: 483,531.60 GPS ELEVATION: 1121'

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.

Brittany Moody  
Signature

Senior Regulatory Analyst

Title

5/27/21  
Date

RECEIVED  
Office of Oil and Gas  
MAY 28 2021  
WV Department of  
Environmental Protection

J.L. Mullerax #4

4708509140P

11/10/2016

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
  
- 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

MAY 28 2021

WV Department of  
Environmental Protection

07/02/2021