



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 12, 2022
WELL WORK PLUGGING PERMIT
Vertical Plugging

WEST VIRGINIA LAND RESOURCES, INC.
46226 NATIONAL ROAD WEST

ST. CLAIRSVILLE, OH 43950

Re: Permit approval for M-1785
47-051-02476-00-00

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

A blue ink signature of James A. Martin, written in a cursive style.

Operator's Well Number: M-1785
Farm Name: DALE MARSHALL AND DAN⁺
U.S. WELL NUMBER: 47-051-02476-00-00
Vertical Plugging
Date Issued: 12/12/2022

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.

WW-4B
Rev. 2/01

1) Date OCTOBER 1, 20 22
2) Operator's
Well No. M-1785
3) API Well No. 47-051-30150

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 ___ or Underground storage ___) Deep ___ / Shallow ___

5) Location: Elevation 1317.75' Watershed HARTS RUN OF PENNSYLVANIA FORK OF FISH CREEK
District LIBERTY County MARSHALL Quadrangle CAMERON WV, PA

6) Well Operator WEST VIRGINIA LAND RESOURCES INC 7) Designated Agent DAVID RODDY
Address 1 BRIDGE STREET Address 1 BRIDGE STREET
MONONGAH, WV 26554 MONONGAH, WV 26554

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name STRADER GOWER Name _____
Address 2525W ALEXANDER RD. Address _____
VALLEY GROVE, WV 26060

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

See Exhibit No. 1

§

MSHA 101 C PETITION SUMMER

RECEIVED
Office of Oil and Gas
OCT 13 2022
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 Strader Gower Date 10/07/2022

EXHIBIT No.1

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

SOLID PLUG METHOD

Well Clean Out

~~(a)~~ If active well: Clean out to the total depth and plug back according to the state regulations to a minimum of 200 feet below the lowest minable coal seam.

PREVIOUSLY
PLUGGED
ON 2/13/1948 ★ (b) If abandoned well: Clean out to the first plug 200 feet below the lowest minable coal seam.

Cement

(a) Circulate through the tubing or drill steel an expanding Class A cement plug from a minimum of 200 feet below the minable coal seam to a point 100 feet above the minable coal seam.

(b) Circulate through the tubing or drill steel an expanding Class A cement plug from 100 feet above the coal seam to the surface

A monument will be installed with API number and stating "solid plug."

Marshall County 101C

Docket No. M-2016-016-C

RECEIVED
Office of Oil and Gas
OCT 13 2022
WV Department of
Environmental Protection

101C MSHA Petition Summary
 Marshall County Coal
 Ohio County Coal

I. **Definitions**

- A. Diligent Effort is defined as pulling 150% casing weight and making at least 3 attempts.
 Assume casing is 3,000' when length is unknown.

II. **Active Well**

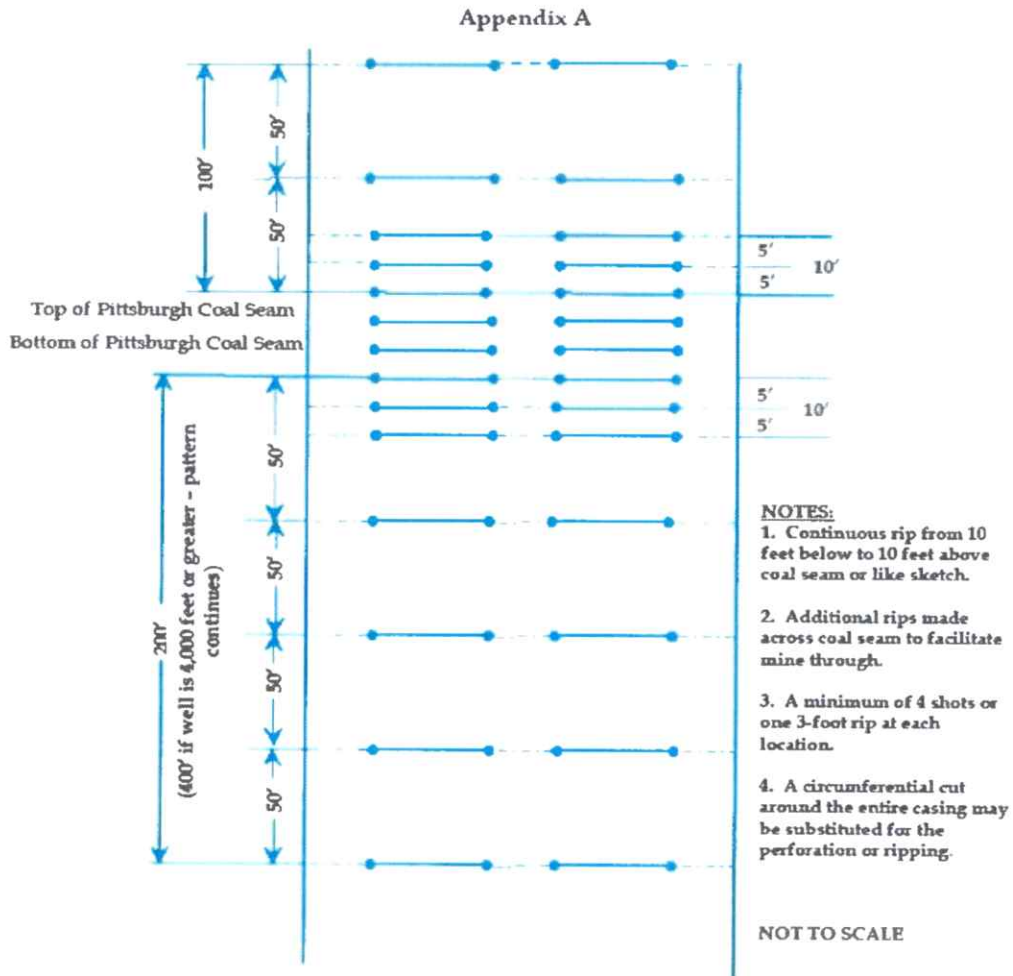
- A. Check for Methane
 B. Notify MSHA we are plugging an active well
 C. Kill Well
 D. Pull Sucker Rods and tubing
 E. Make Diligent Effort to Pull Casing
 F. If casing cannot be pulled...
 i. Run Bond Log
 1. Discuss Action Plan with Mine Personal
 ii. Notify MSHA that casing cannot be pulled
 iii. Cut, rip, or perforate every 200'. First cut will be 200' above the end of casing up to 200' below Pittsburgh coal
 1. MSHA can waive 200' cuts if bond log shows adequate material behind casing.
 iv. Cut, Rip, or Perforate every 50' from 200' below Pittsburgh to 100' above Pittsburgh (see Appendix A).
 v. Cut, Rip, or Perforate every 5' from 10' below Pittsburgh Coal to 10' above Pittsburgh (see Appendix A).
 G. Pump Class A Cement from TD to 200' below Pittsburgh
 H. Pump Thixotropic Cement from 200' below Pittsburgh to 100' above
 I. Pump Class A cement from 100' above Pittsburgh to surface.
 J. Install Well Marker

III. **Abandoned Well**

- A. Check for Methane
 i. Notify MSHA if actively producing methane
 B. Kill Well
 C. If well is less than 4,000' deep, clean out well 220' below Pittsburgh (cleanout an extra 20' to allow for variance in coal elevation).
 D. If well has casing, make diligent effort to pull casing as defined above.
 E. If casing cannot be pulled...
 i. Run Bond Log
 ii. Notify MSHA that casing cannot be pulled
 iii. Cut, Rip, or Perforate every 50' from 200' below Pittsburgh to 100' above Pittsburgh (see Appendix A).

RECEIVED
 Office of Oil and Gas
 OCT 13 2022
 WV Department of
 Environmental Protection

- iv. Cut, Rip, or Perforate every 5' from 10' below Pittsburgh Coal to 10' above Pittsburgh (see Appendix A).
- F. Pump expanding cement under 200 PSI to form a plug 200' below Pittsburgh
- G. Verify plug
- H. Pump Class A Cement from verified plug to 200' below Pittsburgh
- I. Pump Thixotropic Cement from 200' below Pittsburgh to 100' above
- J. Pump Class A cement from 100' above Pittsburgh to surface.
- K. Install well marker



***If the depth is greater than 4,000 feet, all 200' number change to 400' respectively

RECEIVED
Office of Oil and Gas
OCT 13 2022
WV Department of
Environmental Protection



Table Descriptions
 County Code Translations
 Permit Numbering Series
 Usage Notes
 Contact Information
 Disclaimer
 WVGES Main
 "Pipeline Plug" New

Select County: (051) Marshall (Check All)
 Location Production Plugging
 Owner/Completion Stratigraphy Sample
 Pay/Show/Water Logs Btm Hole Loc
 Enter Permit #: 30150

Report Time: Monday, December 12, 2022 10:14:26 AM

Well: County = 51 Permit = 30150 [Link to all digital records for well](#)

WV Geological & Economic Survey

Location Information: [View Map](#)
 API 4705130150 COUNTY PERMIT TAX DISTRICT QUAD 75 QUAD 15 LAT_DD LON_DD UTMN
 4705130150 Marshall 30150 Liberty Cameron 39.792088 -80.521978 540927.3 4404790.7

There is no Bottom Hole Location data for this well

Owner Information:

API 4705130150 CMP_DT 12/14/1918 STATUS SURFACE OWNER WELL_NUM CO NUM LEASE LEASE_NUM MINERAL_OWN OPERATOR_AT_COMPLETION PROP_YD PROP_TRGT_FM TFM_EST_PR
 4705130150 12/14/1918 Original Loc Completed Paul Heironimus 1 2323 Henry Wendi 2245 Manufacturers Light & Heat Co. Manufacturers Light & Heat Co.

Completion Information:

API 4705130150 CMP_DT 12/14/1918 SPUD_DT 10/21/1918 ELEV DATUM FIELD DEEPEST_FM DEEPEST_FMT INITIAL_CLASS DEEPEST_FMT INITIAL_CLASS FINAL CLASS TYPE RIG CMP_MTHD TVD TMD NEW_FTG KOD G_BEF G_AFT O_BEF O_AFT NGL_BEF NGL_AFT P_BEF TL_BEF P_AFT TL_A
 4705130150 12/14/1918 10/21/1918 1223 Ground Level Cameron UDev.undr/BerfLoHURN Filth Development Well unclassified Gas Cable Tool unknown 3230 3230

Pay/Show/Water Information:

API 4705130150 CMP_DT 12/14/1918 ACTIVITY PRODUCT SECTION DEPTH_TOP FM_TOP DEPTH_BOT FM_BOT G_BEF G_AFT O_BEF O_AFT WATER_QNTY
 4705130150 12/14/1918 Water Unknown Water Vertical 1740 undetermined unit
 4705130150 12/14/1918 Water Unknown Water Vertical 1753 undetermined unit

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

Stratigraphy Information:

API	SUFFIX	FM	FM QUALITY	DEPTH	TOP DEPTH	QUALITY	THICKNESS	THICKNESS	QUALITY	ELEV	DATUM
4705130150	Original Loc	Pittsburgh coal	Well Record	1044	Reasonable	8	Reasonable	1223	Ground Level	1223	Ground Level
4705130150	Original Loc	Morgantown Ss/Murphy	Well Record	1265	Reasonable	15	Reasonable	1223	Ground Level	1223	Ground Level
4705130150	Original Loc	Salt Sands (undiff)	Well Record	1864	Reasonable	290	Reasonable	1223	Ground Level	1223	Ground Level
4705130150	Original Loc	Big Injun (undiff)	Well Record	2255	Reasonable	247	Reasonable	1223	Ground Level	1223	Ground Level
4705130150	Original Loc	Squaw	Well Record	2600	Reasonable	51	Reasonable	1223	Ground Level	1223	Ground Level
4705130150	Original Loc	Thirty-foot	Well Record	2854	Reasonable	42	Reasonable	1223	Ground Level	1223	Ground Level
4705130150	Original Loc	Fifty-foot	Well Record	3037	Reasonable	25	Reasonable	1223	Ground Level	1223	Ground Level
4705130150	Original Loc	Gordon Stray	Well Record	3095	Reasonable	8	Reasonable	1223	Ground Level	1223	Ground Level
4705130150	Original Loc	Fourth	Well Record	3108	Reasonable	17	Reasonable	1223	Ground Level	1223	Ground Level
4705130150	Original Loc	Fifth	Well Record	3140	Reasonable	6	Reasonable	1223	Ground Level	1223	Ground Level
4705130150	Original Loc	Fifth	Well Record	3175	Reasonable	5	Reasonable	1223	Ground Level	1223	Ground Level

There is no Wireline (E-Log) data for this well

Plugging Information:

API 4705130150 PLG_DT 3/13/1941 DEPTH_PBT 0

There is no Sample data for this well

PREVIOUSLY PLUGGED
 3/13/1941

4705102476P

12/16/2022

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

200
4705102476P

Ab
K-A
Permit No. Drilled in 1918

WELL RECORD

Oil or Gas Well: Gas
(Kind)

Company: The Manufacturers Light & Heat Co.
Address: 800 Union Trust Bldg., Pittsburgh, Pa.
Farm: Henry Smith Acres: 10 1/2
Location (waters):
Well No.: 1-2323 Elev.: 1223 ft
District: Liberty County: Marshall
The surface of tract is owned in fee by: Paul Hahnemann Address: Cameron, W. Va.
Mineral rights are owned by: The Mtn. L. & H. Co.
800 Union Trust Bldg., Pittsburgh, Pa.
Drilling commenced: Oct. 21, 1918
Drilling completed: Dec. 11, 1918
Date shot: _____ Depth of shot: _____
Open Flow: /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume: _____ Cu. Ft.
Rock Pressure: _____ lbs. _____ hrs.
Oil: _____ bbls., 1st 24 hrs.
Fresh water: _____ feet _____ feet
Salt water: _____ feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
18			
10	303*6"	321*6"	Size of
3 1/4	1130*5"	1130*5"	
6 5/8	1592*	21592*	Depth set
5 9/16	2221*9"	2221*9"	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED: _____ SIZE: _____ No. FT.: _____ Date: _____
COAL WAS ENCOUNTERED AT 101 1/2 FEET 96 INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil Gas or Water	Depth Found	Remarks
Pittsburgh Coal			101 1/2	1092			
Line			1072	1100			
Murphy Sand			1265	1280			
Line			1300	1400			
Line			1460	1490			
Line			1530	1600			
Line			1661	1701			
Sas Sand			1701	1768	Little water 1710		
Line			1832	1861	Big water 1753		
Salt Sand			1861	2154			
Line			2160	2189			
Line			2191	2255			
Big Injan			2255	2502			
Sandy Sand			2600	2651			
30-Foot Sand			2651	2896			
Line			2905	2915			
Line			2935	2935			
50-Foot Sand			3037	3062			
Gordon Stray			3035	3103			
Gordon Sand			3108	3125			
4th Sand			3110	3116			
5th Sand			3175	3180			
Slate			3180	3230			
Total depth				3230			

4705102476P

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks

RECEIVED
Office of Oil and Gas
OCT 13 2022
WV Department of
Environmental Protection



Date January 31st, 1941
APPROVED THE MANUFACTURERS LIGHT & HEAT CO Owner
By Sam H. Jovan

12/16/2022

4705102476 P

WW-4A
Revised 6-07

1) Date: OCTOBER 1, 2022
2) Operator's Well Number M-1785
3) API Well No.: 47 - 051 - 30150

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

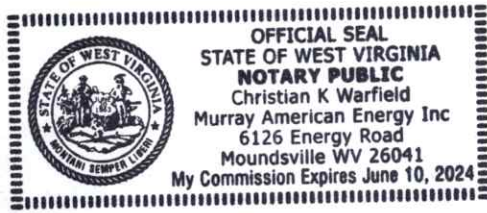
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>DALE MARSHALL & DANIEL R. WOOD</u>	Name <u>WEST VIRGINIA LAND RESOURCES INC.</u>
Address <u>2 BERSON AVE.</u>	Address <u>1 BRIDGE STREET</u>
<u>WHEELING, WV 26003</u>	<u>MONONGAH, WV 26554</u>
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
	Address _____
(c) Name _____	Name _____
Address _____	Address _____
6) Inspector <u>STRADER GOWER</u>	(c) Coal Lessee with Declaration
Address <u>2525W ALEXANDER RD.</u>	Name _____
<u>VALLEY GROVE, WV 26060</u>	Address _____
Telephone <u>(304) 993-6188</u>	

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

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

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.



Well Operator	<u>WEST VIRGINIA LAND RESOURCES INC.</u>	RECEIVED Office of Oil and Gas <u>OCT 13 2022</u> WV Department of Environmental Protection
By:	<u>JAY HORES</u>	
Its:	<u>PROJECT ENGINEER</u>	
Address	<u>6126 ENERGY ROAD</u> <u>MOUNDSVILLE, WV 26041</u>	
Telephone	<u>(304) 843-3565</u>	

Subscribed and sworn before me this 7 day of October 2022
Christian Warfield Notary Public
My Commission Expires June 10, 2024

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.

12/16/2022

4705102476P

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

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

WHEELING WV 26002

Certified Mail Fee \$ 1.00

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

Return Receipt (hardcopy) \$ 0.00

Return Receipt (electronic) \$ 0.00

Certified Mail Restricted Delivery \$ 0.00

Adult Signature Required \$ 0.00

Adult Signature Restricted Delivery \$ 0.00

Postage \$ 1.55

Total Postage and Fees \$ 3.17

Postmark: WHEELING WV APR 13 2022

Delivered to: Dale Marshall
 Person Ave
 Wheelings, WV 26003 M-1785

Signature: Dale Marshall
 Signature No. or PO Box No.
 City/State/Zip: Wheelings, WV 26003

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

2020 0540 0001 3302 0330

RECEIVED
 Office of Oil and Gas

OCT 13 2022

WV Department of
 Environmental Protection

12/16/2022

4705102476P

WW-9
(5/16)

API Number 47 - 051 - 30150
Operator's Well No. _____

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

Operator Name WEST VIRGINIA LAND RESOURCES INC. OP Code _____

Watershed (HUC 10) HARTS RUN OF PENNSYLVANIA FORK OF FISH CREEK Quadrangle CAMERON WV, PA

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 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 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 Jay Hores
Company Official (Typed Name) Jay Hores
Company Official Title Project Engineer

RECEIVED
Office of Oil and Gas
OCT 13 2022
WV Department of
Environmental Protection

Subscribed and sworn before me this 7 day of October, 2022
Christian Warfield

My commission expires June 10, 2024

Notary Public



OFFICIAL SEAL
STATE OF WEST VIRGINIA
NOTARY PUBLIC
Christian K Warfield
Murray American Energy Inc
6126 Energy Road
Moundsville, WV 26041
My Commission Expires June 10, 2024

4705102476P

**AMERICAN CONSOLIDATED NATURAL
RESOURCES & WEST VIRGINIA LAND
RESOURCES**

**AMERICAN CONSOLIDATED
NATURAL RESOURCES & WEST
VIRGINIA LAND RESOURCES**

46226 National Road
St. Clairsville, OH 43950

phone: 304.843.3565

fax: 304.843.3546

e-mail: JayHores@acnrinc.com

JAY HORES

Project Engineer

October 7, 2022

Department of Environmental Protection
Office of Oil and Gas
601-57th Street
Charleston, WV 25320

To Whom It May Concern,

As per the Division of Environmental Protection, Office of Oil and Gas request, Consolidation Coal Company submits the following procedures utilizing pit waste.

Upon submitting a well work application (without a general permit for Oil & Gas Pit Waste Discharge Application), Consolidation Coal Company 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 facilities number U-0033-83, O-1001-00, U-1035-91U-46-84, U-78-83, O-1044-9, or U-100-83.

Sincerely,



Jay Hores
Project Engineer

RECEIVED
Office of Oil and Gas

OCT 13 2022

WV Department of
Environmental Protection

12/16/2022

Operator's Well No. _____

Proposed Revegetation Treatment: Acres Disturbed 1 Prevegetation pH _____

Lime 3 Tons/acre or to correct to pH 6.0

Fertilizer type 10-20-20 or equivalent

Fertilizer amount 500 lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary

Permanent

Seed Type lbs/acre

Seed Type lbs/acre

Seed Mix in accordance with WVDEP Oil and Gas, Erosion and Sediment Control Field Manual

Seed Mix in accordance with WVDEP Oil and Gas, Erosion and Sediment Control Field Manual

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: Strader Goner

Comments: _____

RECEIVED
Office of Oil and Gas

OCT 13 2022

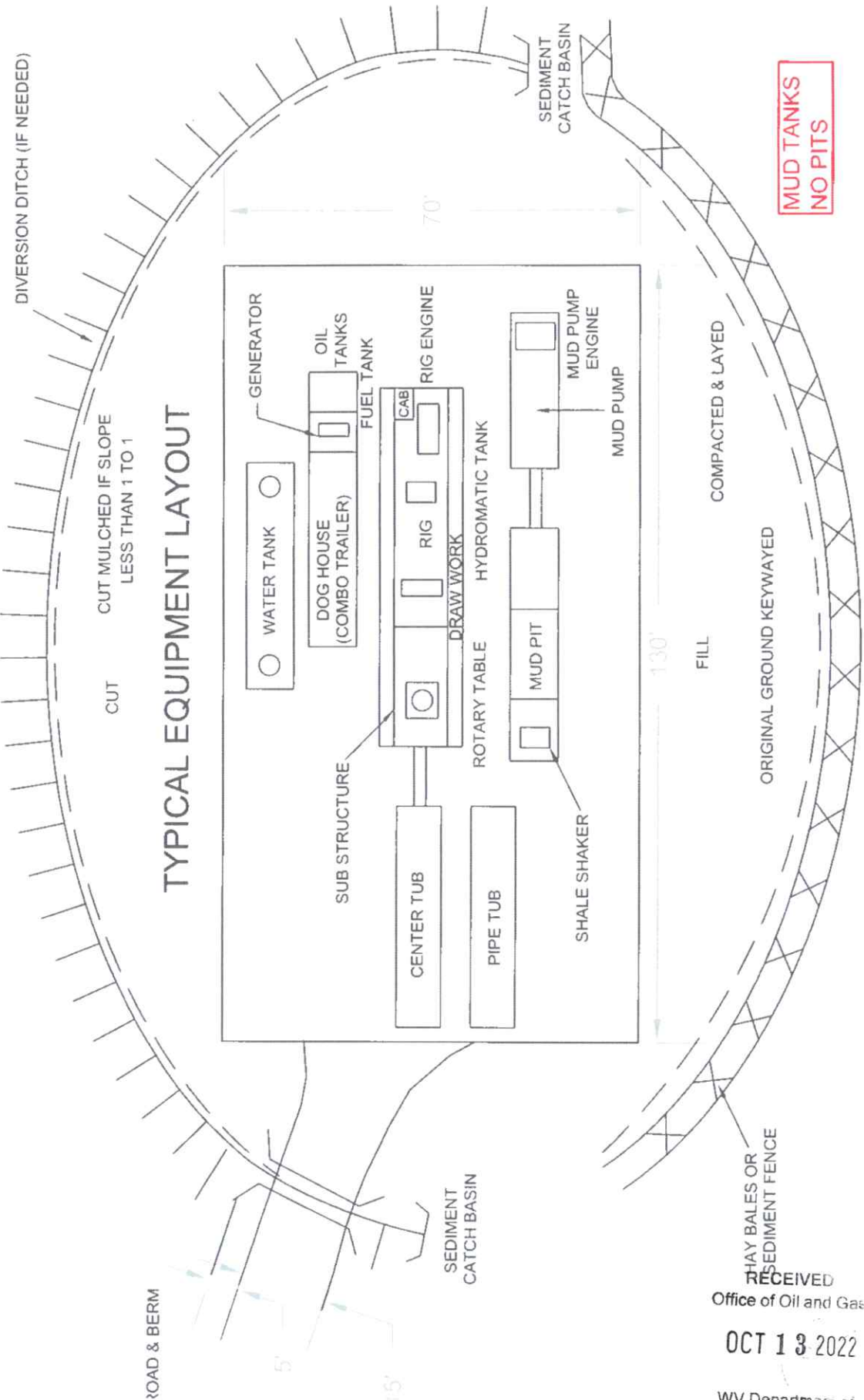
WV Department of
Environmental Protection

Title: Oil & Gas Inspector

Date: 10/07/2022

Field Reviewed? Yes No

TYPICAL DRAWING OF WELL PLUGGING SITE PLAN



MUD TANKS
NO PITS

RECEIVED
Office of Oil and Gas
OCT 13 2022
WV Department of
Environmental Protection
12/16/2022

N/A

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

Operator Name: WEST VIRGINIA LAND RESOURCES INC.
Watershed (HUC 10): HARTS RUN OF PENNSYLVANIA FORK OF FISH CREEK Quad: CAMERON WV,PA
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.

[Empty response box for question 1]

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

[Empty response box for question 2]

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

[Empty response box for question 3]

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

[Empty response box for question 4]

RECEIVED
Office of Oil and Gas
OCT 13 2022
WV Department of
Environmental Protection

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

N/A

[Empty rectangular box for response]

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

[Empty rectangular box for response]

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.

[Empty rectangular box for response]

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

[Empty rectangular box for response]

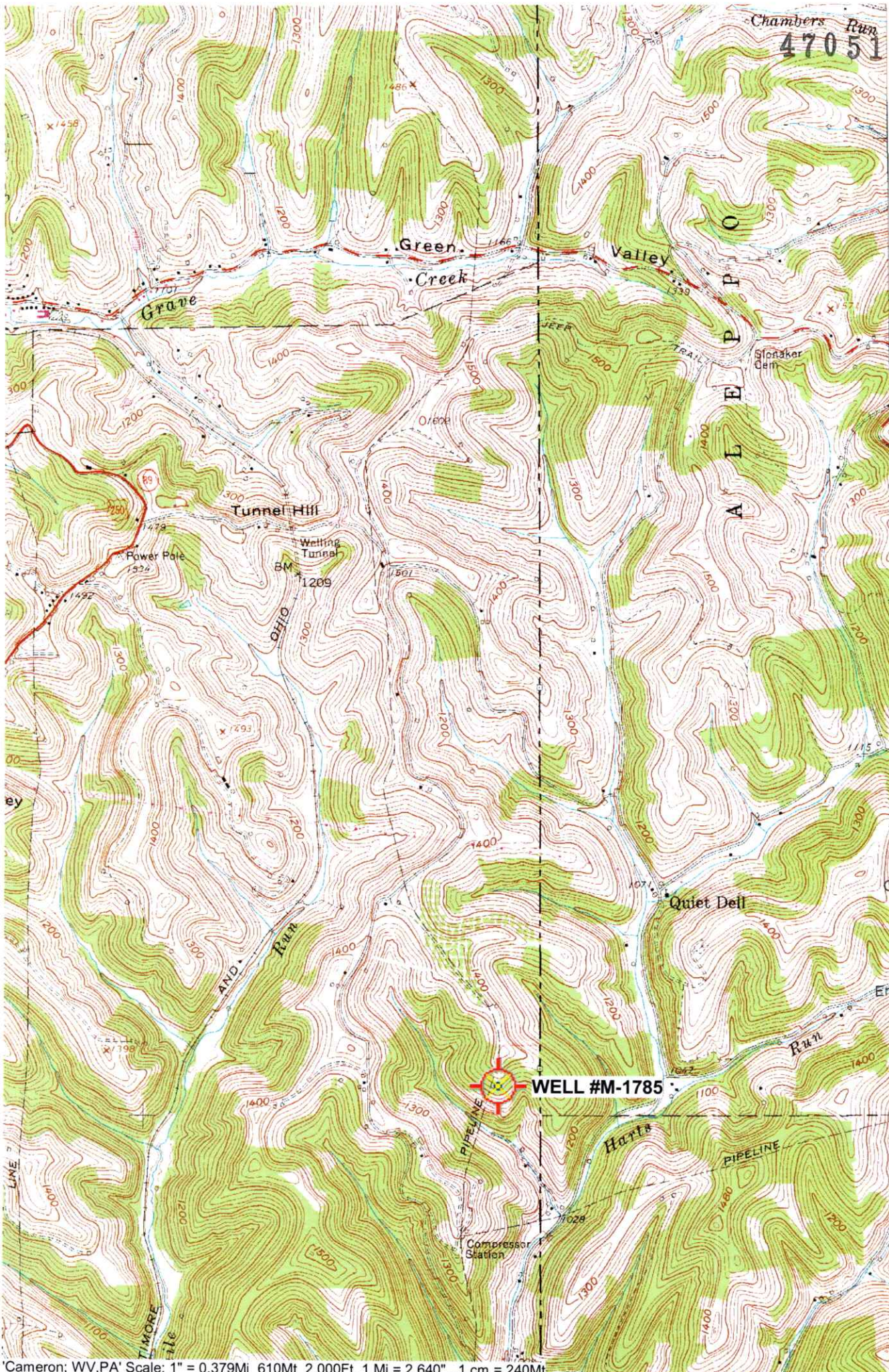
RECEIVED
Office of Oil and Gas
OCT 13 2022

Signature: _____

Date: _____

WV Department of Environmental Protection

4705102476P



50'
4409
4408
4406
4405
4404

(NEW FREEPORT)
4963 IV SW

RECEIVED
Office of Oil and Gas
OCT 13 2022
WV Department of
Environmental Protection

12/16/2022

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-051-30150 WELL NO.: M-1785

FARM NAME: HENRY WENDT

RESPONSIBLE PARTY NAME: WEST VIRGINIA LAND RESOURCES INC.

COUNTY: MARSHALL DISTRICT: LIBERTY

QUADRANGLE: CAMERON WV, PA

SURFACE OWNER: DALE MARSHALL & DANIEL R. WOOD

ROYALTY OWNER: _____

UTM GPS NORTHING: 4,404,886 m (1319')

UTM GPS EASTING: 540,954 m GPS ELEVATION: 402 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:

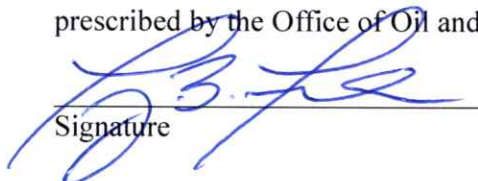
- Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
- Accuracy to Datum – 3.05 meters
- Data Collection Method:

Survey grade GPS : Post Processed Differential _____
Real-Time Differential

Mapping Grade GPS _____ : Post Processed Differential _____
Real-Time Differential _____

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

Professional Surveyor
Title

OCTOBER 1, 2022
Date

RECEIVED
Office of Oil and Gas
OCT 13 2022
WV Department of
Environmental Protection



Kennedy, James P <james.p.kennedy@wv.gov>

Plugging permits issued 4705102322 05102476

1 message

Kennedy, James P <james.p.kennedy@wv.gov>

Mon, Dec 12, 2022 at 1:29 PM


To: "Roddy, David" <DavidRoddy@acnrinc.com>, Strader C Gower <strader.c.gower@wv.gov>, ebuzzard@marshallcountywv.org


To whom it may concern, plugging permits have been issued for 4705102322 05102476.


James Kennedy


WVDEP OOG

4 attachments

 **IR-8 4705102322.pdf**
120K

 **4705102322.pdf**
2756K

 **IR-8 4705102476.pdf**
120K

 **4705102476.pdf**
2346K

12/16/2022