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west virginia department of environmental protection

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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)

Monday, July 17, 2023

**WELL WORK PLUGGING PERMIT**  
Not Available Plugging

WEST VIRGINIA LAND RESOURCES, INC.  
46226 NATIONAL ROAD WEST

ST. CLAIRSVILLE, OH 43950

Re: Permit approval for M-1787  
47-051-02503-00-00

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: M-1787  
Farm Name: ANDREW L & DANA L SCHMIDT  
U.S. WELL NUMBER: 47-051-02503-00-00  
Not Available Plugging  
Date Issued: 7/17/2023

A blue ink signature of James A. Martin, Chief, is written over a blue circular stamp. The signature is cursive and appears to read 'James A. Martin'.

## 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

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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.

1) Date JUNE 10, 20 23  
2) Operator's  
Well No. M-1787  
3) API Well No. 47-051-2899

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  / Liquid injection  / Waste disposal  /  
(If "Gas, Production  or Underground storage  ) Deep  / Shallow

5) Location: Elevation 1429.74' 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  
Name STRADER GOWER  
Address 2525W ALEXANDER RD.  
VALLEY GROVE, WV 26060  
9) Plugging Contractor  
Name \_\_\_\_\_  
Address \_\_\_\_\_

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

See Exhibit No. 1 and MSHA 101-C Exemption

Marshall County Mine (MSHA ID# 46-01437)  
MSHA 101-C Docket No. M-2016-016-C

Approximate Surface Elevation = 1429.74'  
Approximate Bottom Of Coal = 273.74'  
Approximate Depth = 1156.00'

WELL PLUGGED AND  
LEFT AS VENT FROM  
TOP OF GEL @ 1156' TO  
SURFACE THROUGH 8 5/8" CASING.  
JWM

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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 6/16/2023

**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.
- ★ (b) If abandoned well: Clean out to the first plug 200 feet below the lowest minable coal seam.  $\approx 1356'$ .

**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

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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

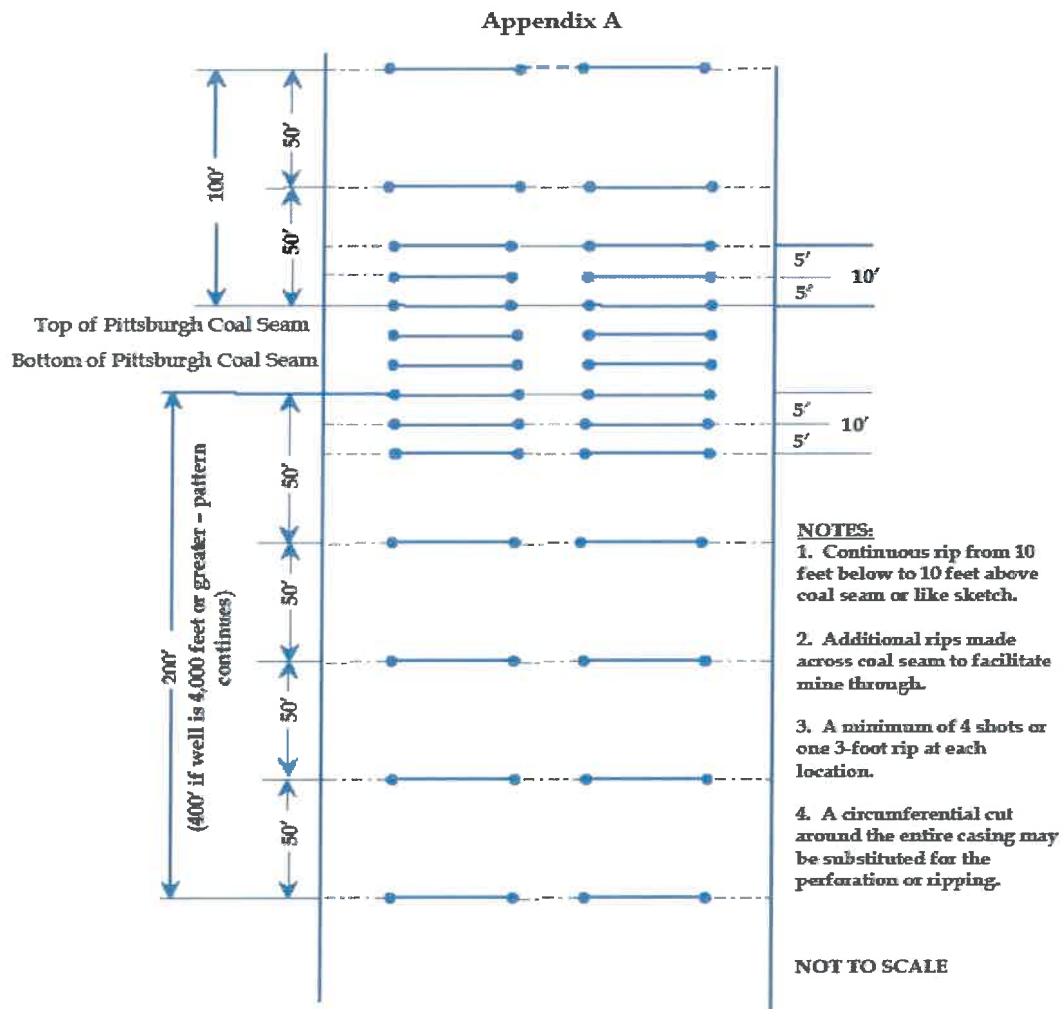
**III. Abandoned Well**

- 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).

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- 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



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



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

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.

<u>Emeral Coal Co. of West Virginia</u> <small>COAL OPERATOR OR OWNER</small> <u>1900 Grant Building</u> <u>Pittsburgh, Pennsylvania 15219</u> <small>ADDRESS</small>	<u>The Manufacturers Light &amp; Heat Co.</u> <small>EMPLOYER</small> <u>800 Union Trust Building</u> <u>Pittsburgh, Pennsylvania,</u> <small>COMPLETE ADDRESS</small> <u>Marsh 28th</u> 19 <u>67</u> <small>WELL AND LOCATION</small> <u>Idberry</u> District <u>Marshall</u> County Well No. <u>1834</u> <u>Earnest Wendt</u> Farm
<small>COAL OPERATOR OR OWNER</small> <small>ADDRESS</small> <small>LEASE OR PROPERTY OWNER</small> <small>ADDRESS</small>	

STATE INSPECTOR SUPERVISING PLUGGING Bryan Shuman, Wileyville West Virginia

AFFIDAVIT

STATE OF WEST VIRGINIA,

County of Marshall } SS:

Phillip D. Whipkey and Jack C. Adrian  
 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 The Manufacturers Light & Heat Co. well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 14th day of February, 1967, and that the well was plugged and filled in the following manner:

BAND OR ZONE RECORD	FILLING MATERIAL	PLUGS USED		CASING	
		SIZE & LENG	CGR PULLED	CGR LEFT IN	
FORMATION	Total Depth,	11"	3018'	324'	
327h-	Aquagel	7"	1535'	800'	
327h to 2980	Cement	8 5/8"	1558'	1558'	
2980 to 2920	Aquagel				
2920 to 2760	Cement				
2760 to 2600	Aquagel				
2600 to 2380	Cement				
2380 to 2320	Aquagel				
2320 to 1520	Cement				
1520 to 1510	Aquagel				
1510 to 1150					
Notes: All Plugging Material except plug from 1520' to 1510' Was Run by Well Services Inc. Using Original 1 1/2" Tubing					
COAL SEAMS		DESCRIPTION OF MONUMENT			
(NAME) <u>Pittsburgh,</u>	<u>1156 to 1147</u>	<u>8 5/8" Casing Was Eased Placed At Ground Level, 6' of 2 3/8" Pipe was welded through the plate w/ an angle weld on top to serve as vent, cement</u>			
(NAME)					
(NAME)					



monument was erected around vent & plate bearing Co. name & well no. was affixed to vent, and that the work of plugging and filling said well was completed on the 3rd day of March, 1967.

And further deponents saith not.

Sworn to and subscribed before me this 14th day of March, 1967.

My commission expires:

My Commission Expires July 7, 1970

*Phillip D. Whipkey*  
*Jack C. Adrian*  
*Notary Public*

Permit No. None 489



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

WELL RECORD

Quadrangle Cameron

Permit No. 22459

Oil or Gas Well Gas

Company The Manufacturers Light and Heat Company  
Address 800 Union Trust Bldg. Pgh. Pa. 15219  
Farm Emmet Wendt Acres 218  
Location (waters) \_\_\_\_\_  
Well No. 1834 Elev. 1426'  
District Liberty County Marshall  
The surface of tract is owned in fee by \_\_\_\_\_  
Address \_\_\_\_\_

Mineral rights are owned by \_\_\_\_\_  
Address \_\_\_\_\_

Drilling commenced February 22, 1915

Drilling completed April 20, 1915

Date Shot \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_

With \_\_\_\_\_

Open Flow /10ths Water in \_\_\_\_\_ Inch  
/10ths Merc. in \_\_\_\_\_ Inch

Volume \_\_\_\_\_ Cu Ft.

Rock Pressure lbs \_\_\_\_\_ hrs.

Oil \_\_\_\_\_ lbs. 1st 24 hrs.

Fresh water \_\_\_\_\_ feet \_\_\_\_\_ feet

Salt water \_\_\_\_\_ feet \_\_\_\_\_ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
12			
10	358	00	Size of Packer
8 1/2	1561	1561	6-5/8 x 4
8 1/4	2338	2338	Depth set 3223-5/12
8 1/8			
2			Perf. top
2			Perf. bottom
2			Perf. top
2			Perf. bottom

CASING CEMENTED	SIZE	No. Ft.	Date

COAL WAS ENCOUNTERED AT	FEET	INCHES

Formation	Color	Hard or Soft	Top	Bottom	THICKNESS	Depth Found	Remarks
Slate & Lime			0	715	715	2-bailers water no Pits. coal	
Native Coal			715	718	3	Apr 11 24, 1915 Well tubed with 4"	
Lime Slate			718	1045	327	Packer in Gordon Sand with 1-	
Mapletooth Coal			1045	1051	6	6-5/8 x 4" Anchor Packer at 3223'05"	
Lime & Slate			1051	1147	96	Anchor 40.07 ft. 2 jts. 8 thro 2nd	
Pittsburgh Coal			1147	1156	9	Above Packer 2063.06' 94 jts. 2d	
Lime & Slate			1156	1230	74	Above Packer 1186.09' 56 jts. 10 thro none	
Red Rock			1230	1270	10	Total 3300'. 10' 152	
Lime & Red Rock			1240	1360	120	Cage on top of 2nd joint	
Murphy Sand			1360	1380	20	Packer on top of cage	
Red Rock Lime & Slate			1350	1815	435	Well made in 4" tubing 85-195	
Gas Sand			1815	1855	40	175-215-255-775 in 4 pay	
Lime & Slate			1855	1950	95	Well made with tube 27/10 water	
1st Salt Sand			1950	1990	40	in 6-5/8 casing	
Slate Shells			1990	2039	49	Shot in Apr. 24-1915 at 12:10 P.M.	
Sand			2039	2059	20	Gas at 2042 small show	
Slate Shells			2059	2110	51		
2nd Salt Sand			2110	2170	60		
Slate & Shells			2170	2190	20		
Maxon Sand			2190	2215	25	Show of oil 2212	
Big Lime			2270	2240	70	Show of gas 2400	
Big Injun			2340	2605	265		
Sort. Sand White hard			2980	3002	22		
Sort. Sand White hard			3140	3170	30		
Gordon Stray White hard			3203	3212	9		
Red Rock Red sort			3212	3215	3		
Gordon Sand White hard			3215	3237	22		
4th Sand			3250	3274	14	Gas at 3254	
Total Depth			3274				





4705102503

Formation	Color	Hard or Soft	Top	Bottom	THICKNESS	Depth Found	Remarks
Slate - black - soft			2215	2230	15		
Lime - black - hard			2230	2265	35		
Pencil Cave - black - soft			2265	2270	5		
B. Lime - white - hard			2270	2040	70		
Slate & Shell			2605	2670	65		
Lime - white - hard			2670	2690	20		
Slate - black - soft			2690	2740	50		
Lime - white - hard			2740	2812	72		
Slate - black - soft			2812	2840	28		
Lime - white - hard			2840	2860	20		
Slate & Shell - black - soft			2860	2890	30		
Slate - black - soft			2890	2980	90		
Slate - black - soft			3002	3015	13		
Lime - white - hard			3015	3040	25		
Slate - black - soft			3040	3065	25		
Red Rock - red - soft			3065	3100	35		
Slate - black - soft			3100	3140	40		
Slate - black - soft			3190	3203	13		
Slate - white - soft			3237	3260	23		

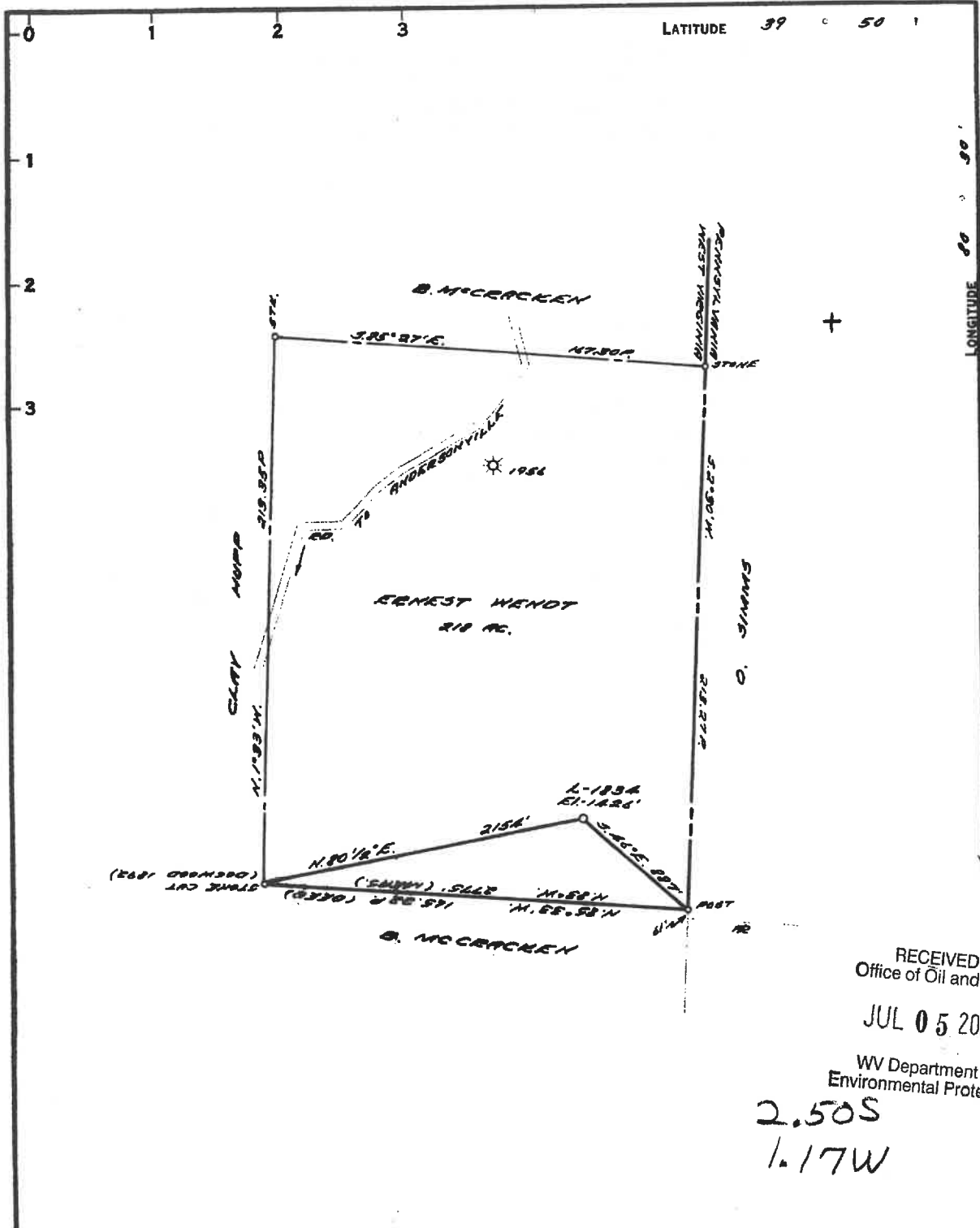
Date January 12, 19 67  
 APPROVED THE MANUFACTURERS LIGHT & HEAT CO., Owner  
 By: Walter A. Brown  
 (Title)  
 Manager, Land, Leasing and Right of Way

07/21/2023

Liberty District, Marshall County, W. Va.  
 By Manufacturers Light & Heat Co.  
 Completed April 29, 1915.  
 Record from Mr. Schillbahn Sept. 30, 1915.

484A

	Top.	Bottom.
Pittsburgh Coal	1147	- 1156
Murphy Sand	1360	- 1380
Gas Sand	1835	- 1855
1st Salt Sand	1950	- 1990
2nd Salt Sand (small show, 2042')////	2110	- 2170
Maxton Sand (show oil, 2212')	2190	- 2215
Big Lane	2270	- 2340
Big Injun Sand	2340	- 2615
30-Foot Sand	2980	- 3002
50-Foot Sand	3140	- 3170
Gordon Stray Sand	3203	- 3212
Gordon Sand	3215	- 3237
Fourth Sand	3260	- 3274
Total depth		3274



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2.50S  
1.17W

COAL OWNED BY EMERALD COAL COMPANY

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."  
Minimum degree of accuracy is one part in 200.

Signed Robert H. Heil (106)

COMPANY THE MANUFACTURERS LIGHT & HEAT  
 ADDRESS 800 UNION TRUST BLDG., PH. 44.  
 FARM ERNEST WENDT  
 MAP 0-25/35 ACRES 218 LEASE NO. 3160  
 WELL (FARM) NO. 1 SERIAL NO. 1854  
 ELEVATION (SPIRIT LEVEL) 1426'  
 QUADRANGLE CAMERON  
 COUNTY MARSHALL DISTRICT LIBERTY  
 POINT OF PROVEN ELEVATION R.J. 1581 ON CAMERON TOPO  
1:2400, APPROX. 1.5 MI. NORTH OF WELL  
 FILE NO. Y-28-381  
 DATE 9 JAN. 1967 SCALE 1" = 200'

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION  
CHARLESTON  
WELL LOCATION MAP

FILE NO. 208-479-A

+ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS, SCALE 1 TO 62,500. LATITUDE AND LONGITUDE LINES BEING REPRESENTED BY BORDER LINES AS SHOWN.  
- DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING.

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Select County: (051) Marshall

Enter Permit #: 30489

Get Data Reset

Select datatypes:  (Check All)

Location  Production  Plugging

Owner/Completion  Stratigraphy  Sample

Pay/Show/Water  Logs  Bim Hole Loc

[Table Descriptions](#)  
[County Code Translations](#)  
[Permit-Numbering Series](#)  
[Usage Notes](#)  
[Contact Information](#)  
[Disclaimer](#)  
[WVGES Main](#)  
[Pipeline-Plus](#)

Well: County = 51 Permit = 30489 [Link to all digital records for well](#)

Report Time: Monday, July 17, 2023 1:41:43 PM

07/21/2023

Location Information: [View Map](#)  
 API 4705130489 Marshall 30489 Liberty Cameron Cameron 39.797163 -80.521792 540940.3 4405354

Owner Information:

API 4705130489 4/20/1915 Original Loc Completed Ernest Wendt 1 1834 2160 unknown Manufacturers Light & Heat Co.

Completion Information:

API 4705130489 4/20/1915 1428 Ground Level Cameron Fourth Fourm Development Well unclassified Oil Cable Tool unknown 3274 3274

Pay/Show/Water Information:

API 4705130489 4/20/1915 Show Oil Vertical 2042 2nd Salt Sand 2212 Maxton 0 0

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	SURFIX	FM	FM QUALITY	DEPTH	TOP DEPTH	QUALITY	THICKNESS	THICKNESS	QUALITY	ELEV DATUM
4705130489	Original Loc	Pittsburgh coal	Well Record	1147	Reasonable	9	Reasonable	1428	Ground Level	
4705130489	Original Loc	Morgantown S&M	Well Record	1360	Reasonable	20	Reasonable	1428	Ground Level	
4705130489	Original Loc	1st Salt Sand	Well Record	1950	Reasonable	40	Reasonable	1428	Ground Level	
4705130489	Original Loc	2nd Salt Sand	Well Record	2110	Reasonable	60	Reasonable	1428	Ground Level	
4705130489	Original Loc	Maxton	Well Record	2190	Reasonable	25	Reasonable	1428	Ground Level	
4705130489	Original Loc	Big Lime	Well Record	2270	Reasonable	70	Reasonable	1428	Ground Level	
4705130489	Original Loc	Big Injun (undiff)	Well Record	2340	Reasonable	275	Reasonable	1428	Ground Level	
4705130489	Original Loc	Thirty-foot	Well Record	2980	Reasonable	22	Reasonable	1428	Ground Level	
4705130489	Original Loc	Filly-foot	Well Record	3140	Reasonable	30	Reasonable	1428	Ground Level	
4705130489	Original Loc	Gordon Shry	Well Record	3203	Reasonable	9	Reasonable	1428	Ground Level	
4705130489	Original Loc	Gordon	Well Record	3215	Reasonable	22	Reasonable	1428	Ground Level	
4705130489	Original Loc	Fourth	Well Record	3260	Reasonable	14	Reasonable	1428	Ground Level	

Wireline (E-Log) Information:

\* There is no Scanned/Raster Log data for this well

\* There is no Digitized/LAS Log data for this well

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

Plugging Information:

API 4705130489 3/3/1967 0

There is no Sample data for this well



4705102503P

WW-4A  
Revised 6-07

1) Date: JUNE 10, 2023  
2) Operator's Well Number M-1787  
3) API Well No.: 47 - 051 - 30489

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

<b>4) Surface Owner(s) to be served:</b>	<b>5) (a) Coal Operator</b>
(a) Name <u>ANDREW L. &amp; DANA L. SCHRACK</u>	Name <u>WEST VIRGINIA LAND RESOURCES INC.</u>
Address <u>2008 HUPP RIDGE RD.</u>	Address <u>1 BRIDGE STREET</u>
<u>CAMERON, WV 26033</u>	<u>MONONGAH, WV 26554</u>
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
	Address _____
(c) Name _____	Name _____
Address _____	Address _____
<b>6) Inspector</b> <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 WEST VIRGINIA LAND RESOURCES INC.  
 By: JAY HORES  
 Its: PROJECT ENGINEER  
 Address 6126 ENERGY ROAD  
MOUNDSVILLE, WV 26041  
 Telephone (304) 843-3565

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JUL 05 2023

Subscribed and sworn before me this 16 day of June 2023  
Christian K Warfield Notary Public  
My Commission Expires June 10, 2024

WV Department of Environmental Protection

**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](mailto:depprivacyoffier@wv.gov).

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4705102503P

9589 0710 5270 0863 2774 24

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 Domestic Mail Only

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Certified Mail Fee \$ \_\_\_\_\_

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 \$ \_\_\_\_\_

Total Postage and Fees \$ \_\_\_\_\_

Postmark Here

Sent to  
**Andrew Schrach**  
 Street and Apt. No., or PO Box No. **2008 Hupp Ridge RD M-1787**  
 City, State, ZIP+4® **Cameron, WV 26033**

PS Form 3840, January 2020 (PSN 7530-02-000-9000) See Reverse for Instructions

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 Environmental Protection

07/21/2023

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WW-9  
(5/16)

API Number 47 - 051 - 30489  
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

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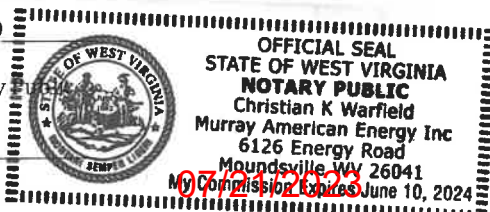
WV Department of  
Environmental Protection

Subscribed and sworn before me this 16 day of June 2023, 20

Chris Warfield

Notary

My commission expires June 10, 2024



4705102503 P

# WEST VIRGINIA LAND 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](mailto:JayHores@acnrinc.com)

### JAY HORES

Project Engineer

June 26, 2023

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

To Whom It May Concern,

As per the Division of Environmental Protection, Office of Oil and Gas request, West Virginia Land Resources submits the following procedures utilizing pit waste.

Upon submitting a well work application (without a general permit for Oil & Gas Pit Waste Discharge Application), West Virginia Land Resources 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

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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 Gower

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

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Oil and Gas Inspector

Title: Professional Surveyor

Date: 6/16/2023

Field Reviewed? ( X ) Yes

( ) No

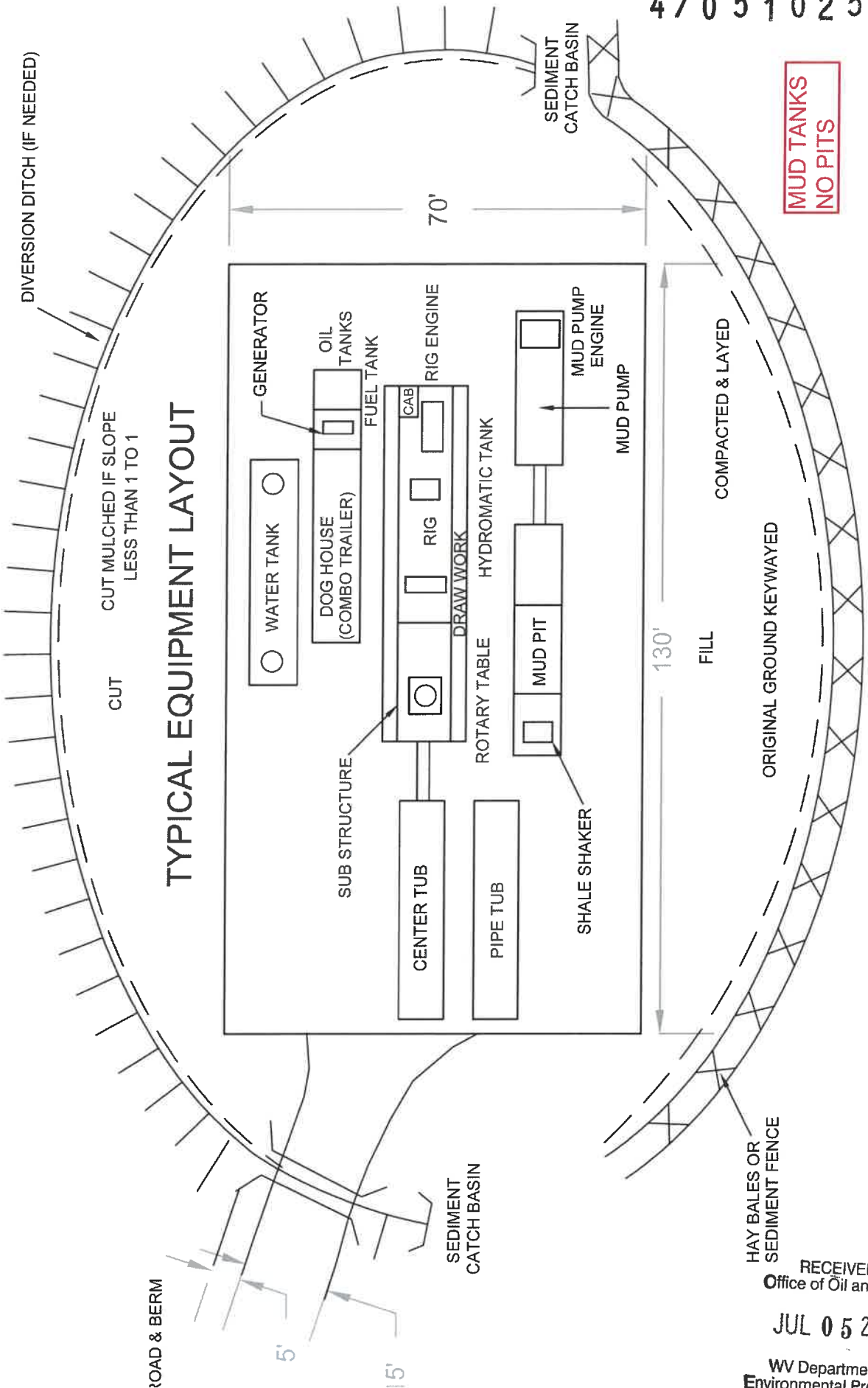
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# TYPICAL DRAWING OF WELL PLUGGING SITE PLAN

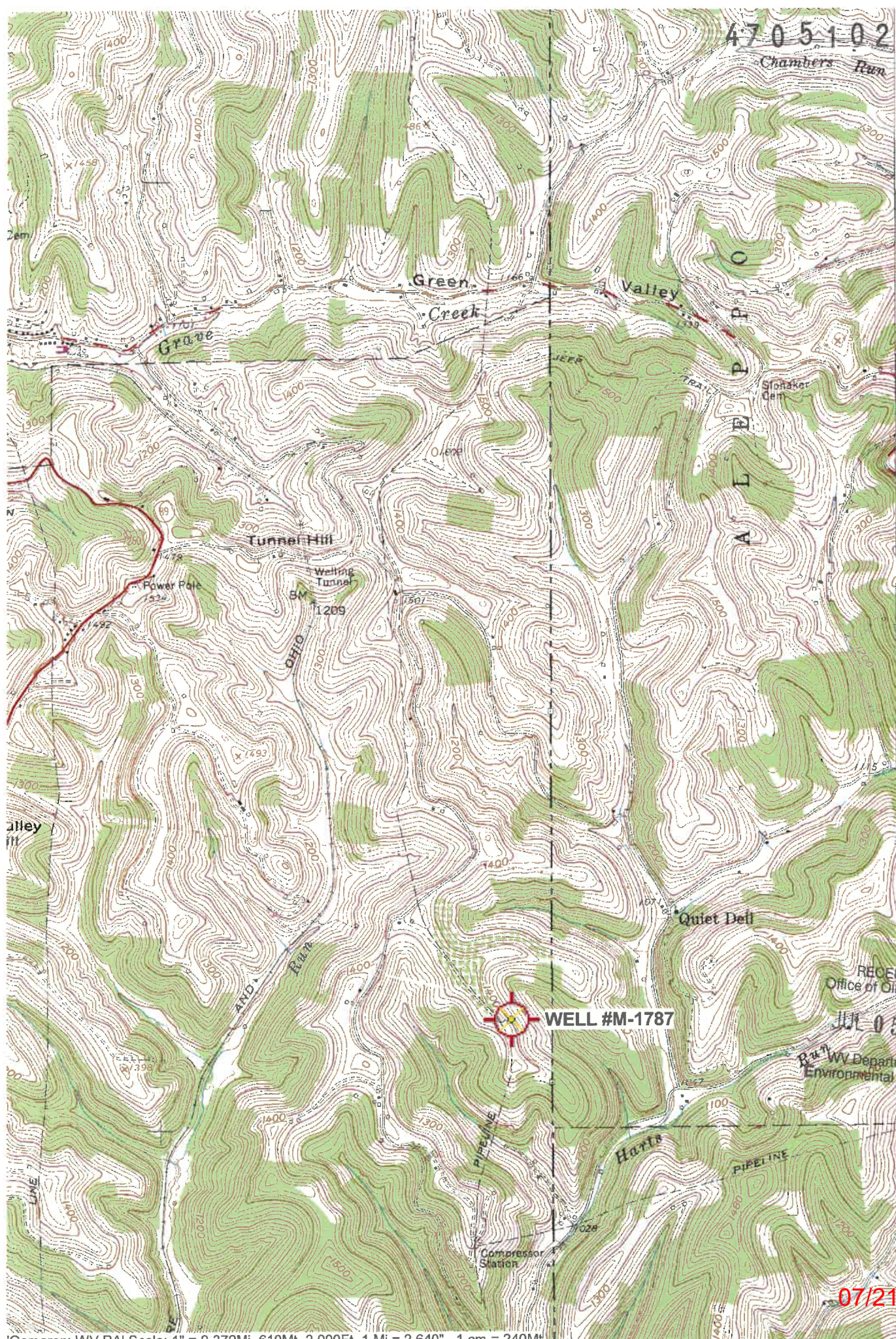


MUD TANKS  
NO PITS

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4705102 503P



50'

4409

4408

4406

4405

4404

9.2 MI. TO P.A. 18

(NEW FREEPORT)  
4963 IV SW

**WELL #M-1787**

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4405  
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WW-7  
8-30-06

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West Virginia Department of Environmental Protection  
Office of Oil and Gas

**WELL LOCATION FORM: GPS**

API: 47-051-30489 WELL NO.: M-1787

FARM NAME: EARNEST WENDT

RESPONSIBLE PARTY NAME: WEST VIRGINIA LAND RESOURCES INC.

COUNTY: MARSHALL DISTRICT: LIBERTY

QUADRANGLE: CAMERON WV, PA

SURFACE OWNER: ANDREW L. & DANA L. SCHRACK

ROYALTY OWNER: \_\_\_\_\_

UTM GPS NORTHING: 4,405,279 m (1430')

UTM GPS EASTING: 540,958 m GPS ELEVATION: 436 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 \_\_\_\_\_

- 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.

Professional Surveyor

Title

JUNE 10, 2023

Date

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N/A

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API Number 47 - 051 - 30489  
Operator's Well No. \_\_\_\_\_

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]

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

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N/A

Page \_\_\_\_\_ of \_\_\_\_\_  
API Number 47 - 051 - 30489  
Operator's Well No. \_\_\_\_\_

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

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

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

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