



west virginia department of environmental protection

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

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Tuesday, May 11, 2021

WELL WORK PLUGGING PERMIT
Vertical Plugging

CM ENERGY HOLDINGS, LP
200 GEORGE ST. SUITE 4

BECKLEY, WV 25801

Re: Permit approval for 147
47-109-00451-00-00

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.

A handwritten signature in blue ink, appearing to read 'James A. Martin'.

James A. Martin
Chief

Operator's Well Number: 147
Farm Name: RITTER, W. M. LMBR. CO.
U.S. WELL NUMBER: 47-109-00451-00-00
Vertical Plugging
Date Issued: 5/11/2021

I

4710900451P

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.

05/14/2021

1) Date February 1, 2021
2) Operator's
Well No. Ritter Lumber Co. 147
3) API Well No. 47-109 - 00451

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil ___ / Gas x / Liquid injection ___ / Waste disposal ___ /
(If "Gas, Production x or Underground storage ___) Deep ___ / Shallow x

5) Location: Elevation 1971.78 ft Watershed Big Cub Creek
District Clear Fork County Wyoming Quadrangle Oceana

6) Well Operator CM Energy Holdings, LP 7) Designated Agent Jim Higgins
Address 200 George Street, Suite 4 Address 200 George Street, Suite 4
Beckley, WV 25801 Beckley, WV 25801

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Gary Kennedy Name R & J Well Service, Inc
Address 66 Old Church Lane Address P.O. Box 40
Pipestem, WV 25979 Hueysville, KY 41640

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

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector *Gary Kennedy* Date 2/19/21

4710900451P

Well # WYO-451
API 42-109-00451
Elevation- 1961.38'
Coal- 98'
Water- 180'
Gas- 1319'
3180'
3388'
Oil Show- none listed
TD- 4068'

Casing Schedule- 16" @ 23'
13 3/8" @ 134'
10 3/4" @ 610'
8 5/8" @ 2567'
7" @ 3201'

- 1) Notify inspector, Gary Kennedy, at least 48 hrs prior to commencing plugging operations.
- 2) Move in rig up. Check TD. TIH with tubing to 4050'. Pump 6% gel to kill well, 20bbl minimum. Set 135' cement plug 4050' – 3915' (Berea). TOOH with tubing to 3388', WOC, tag TOC, add cement as needed.
- 3) Pump 20bbl of 6% gel. Set 287' cement plug from 3388' – 3101 (gas show / 7" casing seat). WOC. Tag TOC, add cement as needed. TOOH with tubing.
- 4) Free point 7" casing. Cut @ free point, TOOH. TIH with tubing to casing cut, set 100' cement plug, 50' in / 50' out of casing cut.
- 5) TOOH with tubing to 2617', pump 30bbl 6% gel. Set 100' cement plug 2617' – 2517' (8 5/8" casing seat). WOC, tag TOC, add cement as needed. TOOH with tubing.
- 6) Free point 8 5/8" casing, cut @ free point, TOOH. TIH with tubing to casing cut, set 100' cement plug, 50' in / 50' out across casing cut.
- 7) TIH with tubing to 1961'. Pump 50bbl 6% gel. Set 100' cement plug 1961' – 1861' (elevation). WOC, tag TOC, add cement as needed.
- 8) TOOH with tubing to 1319' pump 35bbl 6%. Set 100' cement plug 1319' – 1219' (gas show 1319'). WOC, tag TOC, add cement as needed.
- 9) TOOH with tubing to 680', circulate hole with 6% gel. Pump 100' cement plug from 660' - 560' (10 3/4" casing seat). TOOH with tubing, WOC, tag TOC, add cement as needed.
- 10) Free point 10 3/4" casing. Cut @ free point, TOOH. Perforate 13 3/8" casing @ 100' / 75'.
- 11) TIH with tubing to casing cut. Pump 100' cement plug, 50' in / 50' out across of casing cut. WOC, tag TOC, add cement as needed.
- 12) TOOH with tubing to 230'. Set cement plug from 230' to surface (water @ 180' / coal @ 98'). TOOH with tubing. Top off with cement as needed. Install monument to WV DEP specs.

05/14/2021

Geneville

Permit No. WYO-451

WELL RECORD

47109004510

Oil or Gas Well Gas

(KIND)

Company UNITED PRODUCING COMPANY, INC.
 Address Box 1913, Charleston 27, W. Va.
 Farm W. M. Ritter Lumber Company Acres 67,182
 Location (waters) McDonald Fork of Big Cub Creek
 Well No. 147 (2410) Elev 1961.38' DF
 District Clear Fork County Wyoming
 The surface of tract is owned in fee by W. M. Ritter Lumber Co., 115 East Rich St. Address Columbus 15, Ohio
 Mineral rights are owned by Same
 Address _____
 Drilling commenced October 5, 1955
 Drilling completed January 25, 1956
 Date Shot 1/26/56 From 4019' To 4059'
 With 200 qts. nitroglycerine
 Open Flow 31 /10ths Water in 2 Inch
 _____ /10ths Merc. in _____ Inch
 Volume 235,000 Cu. Ft.
 Rock Pressure 765 lbs. 96 hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water 160 feet _____ feet
 Salt water _____ feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16"	23'	23'	Kind of Packer <u>Bottom hole</u>
13 3/8"	13 1/2'	13 1/2'	Size of <u>10 3/4"</u>
10 3/4"	610'	610'	Depth set. <u>610'</u>
8 5/8"	2567'	2567'	
6 7/8" OD	3201'	3201'	
5 8/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED 13 3/8" SIZE 60' No. Ft. 10-7-55 Date
 Cemented 8 5/8" 30' 12-6-55

COAL WAS ENCOUNTERED AT 94 FEET 18 INCHES
 _____ FEET _____ INCHES FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate			0	94			
Coal			94	98			
Slate			98	180	Water	160'	1 bbl. per hr.
Sand			180	202			
Slate			202	290			
Sand			290	360			
Slate			360	604			
Sand			604	624			
Slate			624	785			
Sand			785	837			
Slate			837	935			
Sand			935	1050			
Slate			1050	1070			
Sand			1070	1153			
Slate			1153	1187			
Sand			1187	1485	Gas	1319'	
Slate			1485	1490			
Sand			1490	1923			
Slate			1923	1930			
Sand			1930	2028			
Slate			2028	2038			
Sand			2038	2076			
Slate			2076	2110			
Sand			2110	2165			
Slate			2165	2190			
Sand			2190	2278			
Slate			2278	2339			
Sand			2339	2375			
Red Rock			2375	2401			
Sand			2401	2503			
Red Rock			2503	2520			
Slate			2520	2545			
Lime			2545	2590			
Red Rock			2590	2596			
Lime			2596	2640			

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 Environmental Protection

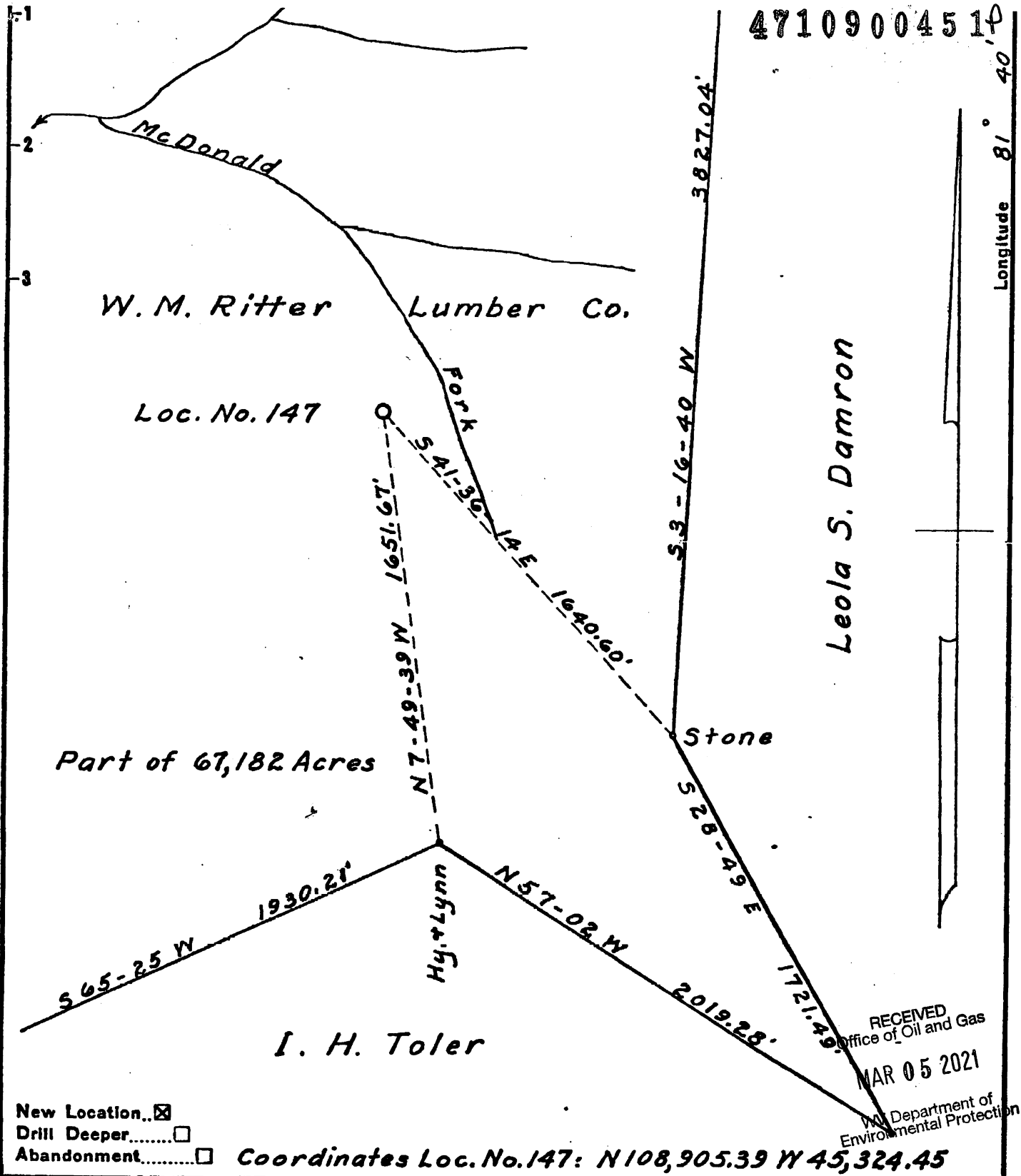


Sand		2923	2960			
Slate & Shells		2960	3016			
Little Lime		3016	3080			
Slate		3080	3100			
Big Lime		3100	3450	Gas	3180'	show
Injun Sand		3450	3540	Gas	3388'	show
Lime		3540	3620			
Lime	Gritty	3620	3654			
Slate & Shells		3654	4000			
Shale	Brown	4000	4019			
Berea Sand		4019	4059			
Slate		4059	4068			
TOTAL DEPTH			4068'			

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47109004510

Longitude 81° 40'



New Location..
 Drill Deeper.....
 Abandonment.....

Coordinates Loc. No. 147: N108,905.39 W 45,324.45

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Company United Producing Co. Inc.
 Address Charleston, W. Va.
 Farm W. M. Ritter Lumber Co.
 Tract _____ Acres 67,182 Lease No. 4157
 Well (Farm) No. 147 Serial No. 2410
 Elevation (Spirit Level) 1956.08'
 Quadrangle Pineville
 County Wyoming District Clear Fork

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

WELL LOCATION MAP
 FILE NO. Wyo-451

05/14/2021

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, lat-

4710900451P
Operator's Well No. Ritter Lumber 147
A.P.I. NO. 47-109-00451

Proposed Revegetation Treatment: Acres Disturbed 1 +/- Prevegetation pH

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20 or equivalent

Fertilizer amount 650 lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Red Fescue	40	Red Fescue	15
Alsike	5	Alsike	5
Annual Rye	15		

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: *[Signature]*

Comments:

Title: *Inspector* Date: *4/9/21*

Field Reviewed? () Yes () No

WW-4A
Revised 6-07

1) Date: February 1, 2021
2) Operator's Well Number
Ritter Lumber Co. 147
3) API Well No.: 47 - 109 - 00451

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

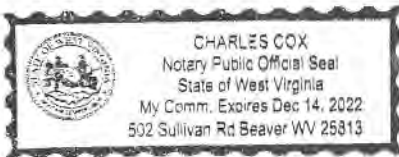
4) Surface Owner(s) to be served: (a) Name: Lyme Mountaineer Timberlands I, LLC; Address: 23 South Main Street, Hanover, NH 03755; (b) Name: ; Address: ; (c) Name: ; Address: ; 5) (a) Coal Operator: Name: CM Energy Operations, LP; Address: 200 George Street, Suite 4, Beckley, WV 25801; (b) Coal Owner(s) with Declaration: Name: WPP, LLC; Address: 5260 Irwin Road, Huntington, WV 25705; (c) Coal Lessee with Declaration: Name: CM Energy Operations, LP; Address: 200 George Street, Suite 4, Beckley, WV 25801; 6) Inspector: Gary Kennedy; Address: 66 Old Church Lane, Pipestem, WV 25979; Telephone: 304-382-8402

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: CM Energy Holdings, LP
By: Jim Higgins
Its: Designated Agent
Address: 200 George Street, Suite 4, Beckley, WV 25801
Telephone: 681-207-7393 ext 4

Jim Higgins

Subscribed and sworn before me this 9th day of February 2021
My Commission Expires Dec 14, 2022
Notary Public

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Office of Oil and Gas
MAR 05 2021
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 depprivacyofficer@wv.gov.

4710900451P

7016 2140 0000 2516 0962

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Huntington, WV 25705

OFFICIAL USE

Certified Mail Fee	\$3.60	0306 12
Extra Services & Fees (check box, add fee as appropriate)	\$2.85	
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00	Postmark Here
<input type="checkbox"/> Return Receipt (electronic)	\$0.00	
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00	
<input type="checkbox"/> Adult Signature Required	\$0.00	
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00	
Postage	\$2.20	03/01/2021
Total Postage and Fees	\$8.65	

Sent To **WPP, LLC**
 Street and Apt. No., or PO Box No.
5260 Irwin Rd.
 City, State, ZIP+4®
Huntington, WV 25705

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

7016 2140 0000 2516 0979

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Hanover, NH 03755

OFFICIAL USE

Certified Mail Fee	\$3.60	0306 12
Extra Services & Fees (check box, add fee as appropriate)	\$2.85	
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00	Postmark Here
<input type="checkbox"/> Return Receipt (electronic)	\$0.00	
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00	
<input type="checkbox"/> Adult Signature Required	\$0.00	
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00	
Postage	\$2.20	03/01/2021
Total Postage and Fees	\$8.65	

Sent To **LYME MT LLC**
 Street and Apt. No., or PO Box No.
23 South Main St.
 City, State, ZIP+4®
Hanover, NH 03755

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

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05/14/2021

SURFACE OWNER WAIVER

Operator's Well
Number

API NO. 47-109-00451

Ritter Lumber Co. 147

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have **FIVE (5) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation..."

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application For A Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON
ETC.

FOR EXECUTION BY A CORPORATION,

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Office of Oil and Gas
MAR 05 2021
WV Department of
Environmental Protection

_____	Date _____	Name _____	Lyme Mountaineer Timberlands I, LLC
Signature		By _____	
		Its _____	_____
			Date _____
		Signature _____	Date 05/14/2021

WW-4B

API No. 47-109-00451 P
Farm Name _____
Well No. Ritter Lumber Co. 147

**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 than 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.

WAIVER

The undersigned coal operator X / owner _____ / lessee X / 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.

Date: 2/8/21

CM Energy Operations, LP

By: Jim Higgins

Its Chief Engineer



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Environmental Protection

05/14/2021

API No. 47-109-00451 P
Farm Name _____
Well No. Ritter Lumber Co. 147

**INSTRUCTIONS TO COAL OPERATORS
OWNERS AND LESSEE**

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WAIVER

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Date: _____

WPP, LLC

By: _____

Its _____

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WV Department of
Environmental Protection

WW-9
(5/16)

4710900451P

API Number 47 - 109 00451
Operator's Well No. Ritter 147

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

Operator Name CM Energy Holdings LP OP Code _____

Watershed (HUC 10) Buffalo Creek-Guyandotte River Quadrangle Oceana

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: fresh water

Will a synthetic liner be used in the pit? Yes No If so, what ml? 20

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 Any fluid recovered will be hauled to a core tank battery and disposed of properly) *JHK*

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

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

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

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)

-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 James C. Higgins, II

Company Official (Typed Name) James C Higgins, II

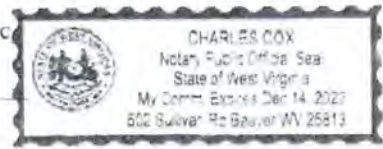
Company Official Title Designated Agent

Subscribed and sworn before me this 8th day of February, 20 21

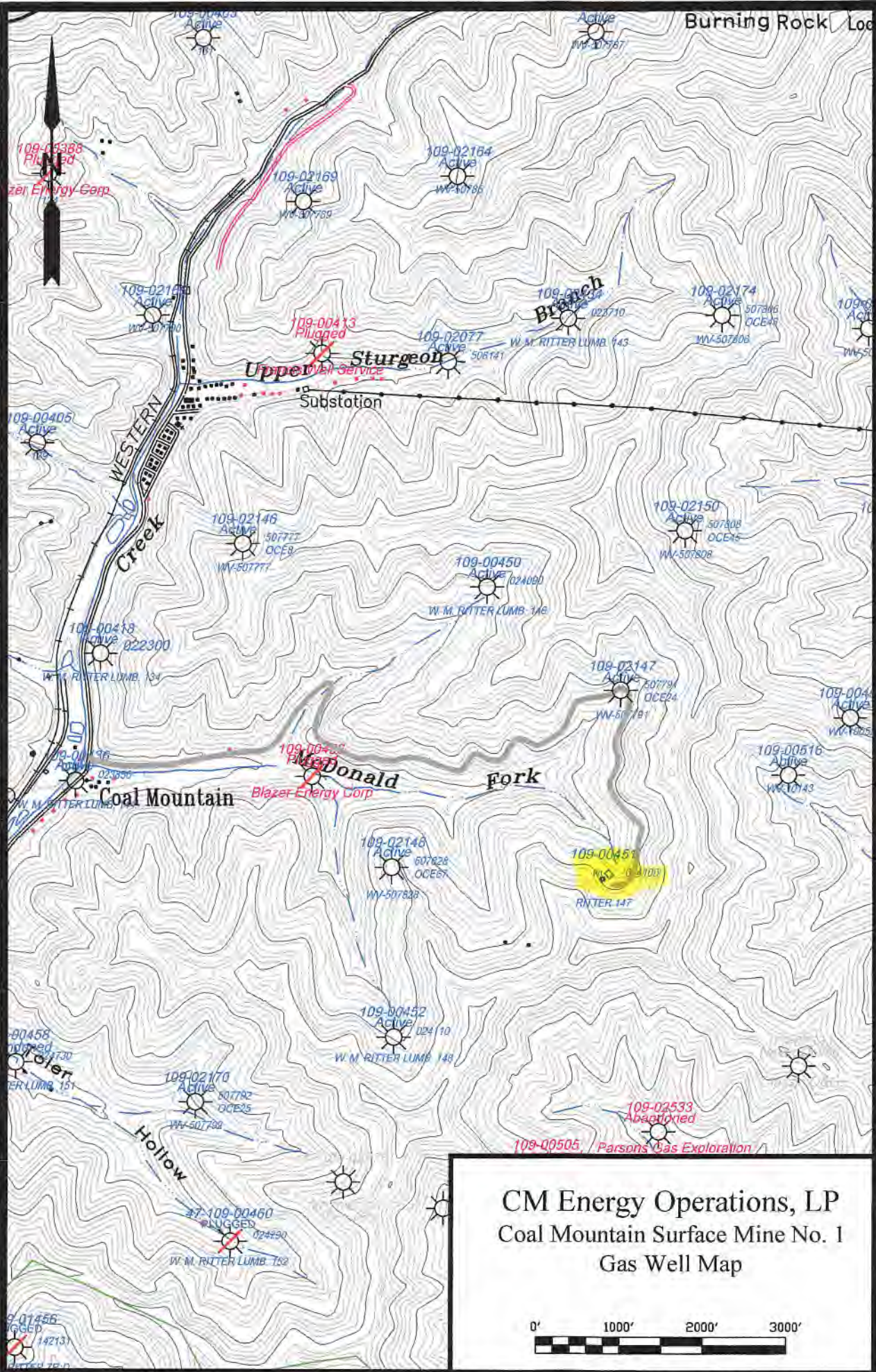
Charles Cox

Notary Public

My commission expires Dec 14, 2022



05/14/2021



Pit 20'x20'x6'
Location 60'x150'

**CM Energy Operations, LP
Coal Mountain Surface Mine No. 1
Gas Well Map**

RECEIVED
Office of Oil and Gas
MAR 05 2021
WV Department of
Environmental Protection

05/14/2021



1/28/2021, 12:21:22 PM

Individual Wells

- ◻ Gas
- ◻ Oil
- ◻ Oil and Gas Combination

- ◻ Dry
- ◻ Service
- ◻ Other (including Permits)
- ◻ Labels (7.5' Quadrangles)

- ◻ 7.5' Quadrangles
- ◻ State Boundary
- ◻ Counties
- ◻ County Labels

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Office of Oil and Gas
1:18,056
MAR 05 2021
0 0.15 0.3 0.6 mi
0 0.25 0.5 1 km
WV Department of Environmental Protection
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05/14/2021



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

API: 47-109-00451-00 WELL NO.: 1153398

FARM NAME: W.M. Ritter Lumber Company

RESPONSIBLE PARTY NAME: CM Energy Holdings, LP

COUNTY: Wyoming DISTRICT: Clear Fork

QUADRANGLE: Oceana

SURFACE OWNER: CM Energy Holdings, LP

ROYALTY OWNER: CM Energy Holdings, LP

UTM GPS NORTHING: 4,168,973.09 (1971')

UTM GPS EASTING: 437,643.89 GPS ELEVATION: 601.0m

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.

Jim Higgins
Signature

Chief Engineer
Title

2/8/2021
Date

RECEIVED
Office of Oil and Gas
MAR 05 2021
WV Department of
Environmental Protection