

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

Thursday, March 24, 2022
WELL WORK PLUGGING PERMIT
Vertical Plugging

MINERAL RESOURCE MANAGEMENT, L.L.C. PO BOX 603

JANE LEW, WV 26378

Re: Permit approval for 5 (A-453) 47-041-01854-00-00

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: 5 (A-453)

Farm Name: WHITE, G. L.

U.S. WELL NUMBER: 47-041-01854-00-00

Vertical Plugging
Date Issued: 3/24/2022

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	Decembe	r 9	,	2021	
2) Oper				-	
Well	No. CLV	Vhite A-453			
3)API	Well No	. 47-041		- 01854	

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

	APPLICATION FOR A PERM	IT TO PLUG AND ABANDON
4)	Well Type: Oil/ Gas X/ Liquid	injection/ Waste disposal/
		erground storage) Deep/ Shallow_X
		5 5
5)	Location: Elevation 1171'	Watershed Rush Run
	District Freemans Creek	County_Lewis Quadrangle_Camden
	Well OperatorMineral Resource Management, LLC	Grea Hicks
6)	Address PO Box 603	7) Designated Agent Greg Hicks Address PO Box 603
	Jane Lew, WV 26378	Jane Lew, WV 26378
	Jane Lew, VV 20070	danc Lew, WV 20010
8)	Oil and Gas Inspector to be notified	9) Plugging Contractor
0)	Name Sam Ward	Name To be Determined Upon Issuance of Permit
	Address P. O. Box 2327	Address
	Buckhannon, WV 26201	
	** See Attached Plug	iging Manners **
	oce / titachea / hag	ging Manners
	CLASS	MORE THAN 3% CALCIUM CHLORIDE, OTHER ADDITIVES.
	COEL : FRESH WATER WITH A	RECEIVED Office of Oil and Gas
	GEL: FRESH WATER WITH A 6% BEWERONITE, BY	per one or
		WV Department of Environmental Protection
	fication must be given to the district oil can commence.	l and gas inspector 24 hours before permitte
~ L II	· Can Commonder	

Work order approved by inspector Sphunest Date 1/13/2022

API No

47-041-01854

Farm

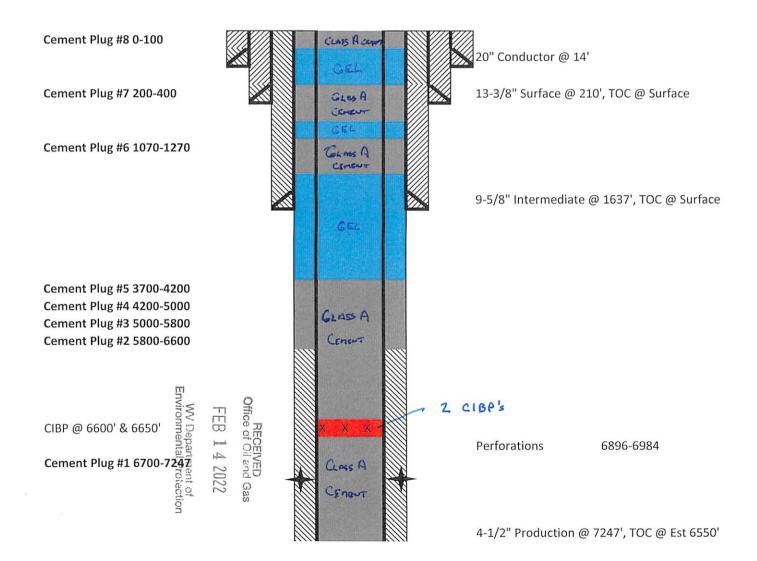
G.L. White

Well#

A-453

County

Lewis, WV



PLUGGING PROCEDURE

- 1 Clean Out to TD w/ Tricone
- 2 Run Tubing to TD



- 3 Establish Circulation w/ Fresh Water, Load Hole w/ Fresh Water
- 4 Set Cement Plug #1 (Balanced Plug), TOOH
- 5 Tag TOC, Set 2 CIBP's w/ WL
- 6 Run CBL to Determine TOC on 4.5" Casing
- 7 Free Point, Cut and Recover 4-1/2" Casing
- 8 Set Cement Plug #2 (Balanced Plug), TOOH
- 9 Set Cement Plug #3 (Balanced Plug), TOOH
- 10 Set Cement Plug #4 (Balanced Plug), TOOH
- 11 Set Cement Plug #5 (Balanced Plug), TOOH
- 12 Tag TOC
- 13 Set Cement Plug #6 (Balanced Plug), TOOH
- 14 Tag TOC
- 15 TIH, Set Cement Plug #7 (Balanced Plug), TOOH
- 16 Set Cement Plug #8 (Balanced Plug), TOOH
- 17 Install Monument

A SPACERS BETWEEN CLASS A CEMEN
PLUCE SHALL BE GEL.

5 De 1/13/2022

GEL IS FRESH WATER WITH A MINIMOM OF 6% BENTONITH BY WEIGHT.

I w m

4704101854

Oil_

Comb._

Gas X C. NOLL

OG-10 Rev. - 9-71



STATE OF WEST VIRGINIA DEPARTMENT OF MINES

Oil and Gas Division

RECORD

Acres 198

SE 2 3 Vadis Quadrangle_

Company Allegheny Land & Mineral Co.

Clarksburg, W. Va.

DistrictFreemans Creek County Lewis The surface of tract is owned in fee by O. E. White

Location (waters) Burnside Run of Creek

Initial open flow 80,000cu. ft. bbls. Final production _____ cu. ft. per day _____bbls.

2450#

72 hr.

Farm G.L. White

Address Route 2 Camden, W. Va. Mineral rights are owned by Same ___ Address_

Drilling Commenced June 7, 1972 Drilling Completed July 3, 1972

Well open _____hrs. before test___

Permit No. Lew-1854

Well No. A-453

Well treatment details:

M SHOL

Rock Pres.

Water Flood Storage(Kind)				
Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)	
Size 20-16 Cond. 20 ¹⁹	14,	14:		
13-10" 73"	2101	2101	-125	
9 5/8	16371	16371	-560	
8 5/8				
7				
5 1/2			316	
4 1/2	72471	72471	-220	
3			*	
2			Cemented to 653	
Liners Used				

Rotary_X

Recycling

Cable_

Attach copy of cementing record. Fractured 7-18-72 By Halliburton

None Coal was encountered at. Inches Show 350 Fresh water_ Salt Water_ Chert Producing Sand_

Formation Color Hard or Sof	Top Feet	Bottom Feet	Oil, Gas or Water * Remarks
Soil Sand slate Sand Shale Sand Sand shale Big Lime Big Injun Sand Shale Gordon sand Shale Sth sand Shale Benson sand Shale Tulley Lime Shale Onondaga Lime Chert Oriskany Helderberg Total depth	0 4050392545562004444846668879145756222232944666887914	40 514999254502004448460 146752800044484668877260 2222446668877260 7722	### Casing performent of light of the size

(over)

* Indicates Electric Log tops in the remarks section.

4704101,854 Latitude 39 G.L. WHIT 1980 RECEIVED
Office of Oil and Gas FEB 1 4 2022 WV Department of Environmental Protection Fracture.... Source of Elevation 14444 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. Redrill.... New Location. Drill Deeper Minimum accuracy, one part in200 Abandonment 🗀 Company PLLEGHENY LAND & MINERAL CO. STATE OF WEST VIRGINIA Address CLARKS BURG, W.VA. 26301 DEPARTMENT OF MINES OIL AND GAS DIVISION G. L. WHITE CHARLESTON Lease No. WELL LOCATION MAP Serial No. A-453 Well (Farm) No. 5 FILE NO. Lew - 1854 Elevation (Spirit Level) // 7/ Quadrangle VADIS + Denotes location of well on United States District FREEMANS CK. Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown. Engineer's Registration No. 105 2. L - Denotes one inch spaces on border line of File No 221/34 _Drawing No. original tracing. Date 3-25-72 Scale / " = 500 Dep Well (Helderberg)
APR 19 1972
Ken : 254 G. & W. LEACH CO., PGH., PA. Murphy Creek- (150)

WW-4A Revised 6-07

Number	
	Number

3) API Well No.: 47 -

041 01854

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

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n
n
n
100 - 1
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filed this Notice and Application and irginia Department of Environmental Form WW-6. Copies of this Notice, named above (or by publication in
RECEIVED
Office of Oil and Gas
Office of Oil and Gas
Office of Oil and Gas
FEB 1 4 2022
Office of Oil and Gas FEB 1 4 2022 WV Department of Environmental Protection
d in

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.

30	U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only
유도	For delivery information, visit our website at www.usps.com .
570b	OFFICIAL SE
<u></u>	Certified Mall Fee
	Extra Services & Fees (check box, add fee as appropriate)
0001	Return Receipt (electronic) \$ Postmark
	□ Certified Mail Restricted Delivery \$ □ Adult Signature Required \$ □ Adult Signature Restricted Delivery Restricted Delivery Restricted Delivery Restricted Delivery Restricted Delivery Restricted Delivery
0320	Adult Signature Restricted Delivery \$
ED.	s
	Total Postage and Fees
7021	Sent To Charles E White 23:101
2	Street and Apt. No., or PO Box No. 472 The Ima Avenue
,	City, State, ZIP+4°; Xenia DH 45385
	PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

RECEIVED . Office of Oil and Gas

FEB 1 4 2022

WV Department of Environmental Protection



HG Energy, LLC 5260 Dupont Road Parkersburg, WV 26101 (304) 420-1100 - Office (304) 863-3172 - Fax

February 7, 2022

Charles E. White 472 Thelma Avenue Xenia, OH 45385

RE:

G. L. White A-453 (47-041-01854) Freemans Creek District, Lewis County West Virginia

Dear Mr. White:

Enclosed are copies of various application papers that we have filed with the West Virginia Department of Environmental Protection (WVDEP), Office of Oil and Gas. A well work permit is being requested for the above-referenced well.

Pursuant to WV Code Chapter 22B, Article 6, you are receiving copies of this correspondence because the well or other anticipated disturbance is located on your surface property. Your rights as a landowner are detailed in the enclosed permit application papers.

No action on your part is required. If you have any questions or comments regarding this application, you may call this office at (304) 420-1119 or via email at <a href="https://dwh.email.org/dwh.email.em

Very truly yours, Diane White RECEIVED
Office of Oil and Gas

FEB 1 4 2022

WV Department of Environmental Protection

Diane White

SURFACE OWNER WAIVER

Operator's Well Number

G L White A-453

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

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Office of Oil and Gas

FEB 1 4 2022

WV Department of Environmental Protection

<u>Time Limits and methods for filing comments.</u> 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.

		nned work	k described in these materials, and I have no
objection to a permit being issued on thos			707 777 6777 677 777 1 607 707 1 FT
FOR EXECUTION BY A NATURAL PER	RSON		FOR EXECUTION BY A CORPORATION,
ETC.			
	Date	Name	
Signature		By	
		Its _	Date

WW-9 (5/16)

API Number 47 - 0	11 _ 0185	4
Operator's Well No.	GL White	A-453

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

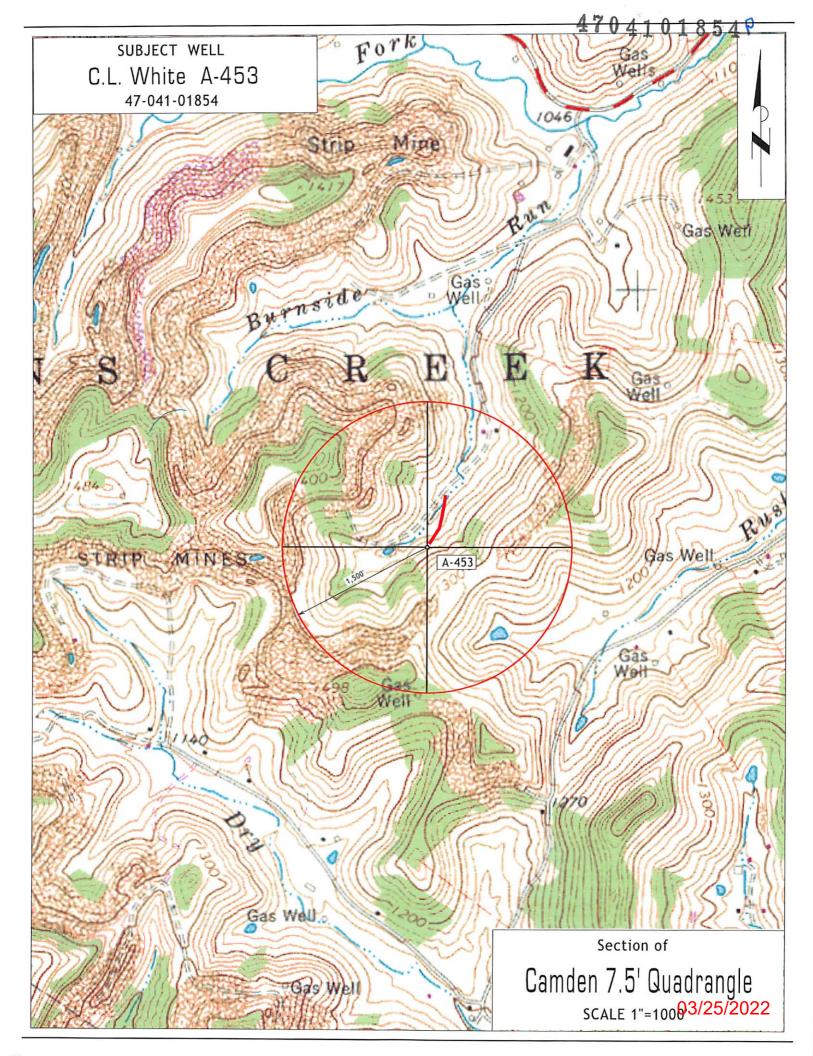
Operator Name Mineral Resource Management, LLC	OP Code 494470730
Watershed (HUC 10) Rush Run	Quadrangle Camden
Do you anticipate using more than 5,000 bbls of wat Will a pit be used? Yes No No	er to complete the proposed well work? Yes No
If so, please describe anticipated pit waste:	
Will a synthetic liner be used in the pit? Ye	s No ✓ If so, what ml.?
Proposed Disposal Method For Treated Pit	Wastes:
	ted provide a completed form WW-9-GPP) JIC Permit Number
)
Off Site Disposal (Supply Other (Explain_No fluids or v	form WW-9 for disposal location) vastes anticipated, any well effluent will be contained until disposed of at an approved disposal site
Will closed loop system be used? If so, describe:	lo
Drilling medium anticipated for this well (vertical an	d horizontal)? Air, freshwater, oil based, etc. NA
-If oil based, what type? Synthetic, petroleu	m, etc. NA
Additives to be used in drilling medium? NA	
Drill cuttings disposal method? Leave in pit, landfill,	removed offsite, etc. If any; remove off site to approved disposal site RECEIVED Office of Oil and Gas
-If left in pit and plan to solidify what mediu	m will be used? (cement, lime, sawdust) NA
-Landfill or offsite name/permit number?	FEB 1 4 2022
	WV Department of FOil and Gas of any load of drill cuttings or associated waste rejected at anyal Protection provided within 24 hours of rejection and the permittee shall also disclose
on April 1, 2016, by the Office of Oil and Gas of the provisions of the permit are enforceable by law. Viol or regulation can lead to enforcement action. I certify under penalty of law that I have application form and all attachments thereto and that	erms and conditions of the GENERAL WATER POLLUTION PERMIT issued at West Virginia Department of Environmental Protection. I understand that the ations of any term or condition of the general permit and/or other applicable law personally examined and am familiar with the information submitted on this based on my inquiry of those individuals immediately responsible for o btaining e, accurate, and complete. I am aware that there are significant penalties for of fine or imprisonment.
Company Official Signature	
Company Official (Typed Name) Greg Hicks	
Company Official Title President	
Subscribed and swom before me this 3PD	day of February, 20 22
My commission expires December	Notary Public OFFICIAL SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA Kathy J. Belt 204 Murphy Creek Road Weston WV 26452 My Commission Expires December 2, 2025

Form WW-9 Operator's Well No. GL White A-453 Proposed Revegetation Treatment: Acres Disturbed .5 acre Preveg etation pH ___ 3 Tons/acre or to correct to pH 6.5 10/20/20 Fertilizer type 500 lbs/acre Fertilizer amount Straw Tons/acre Mulch **Seed Mixtures** Permanent Temporary lbs/acre Seed Type Seed Type lbs/acre 40 Tall Fescue 40 Tall Fescue Latino Clover 5 Latino Clover 5 ** Sediment Control Will Be In Place At All Times ** 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. RECEIVED Comments: WV Department of Environmental Protection

Date: 1/13/2022

Field Reviewed?

) Yes



West Virginia Department of Environmental Protection Office of Oil & Gas

WELL LOCATION FORM: GPS

API:47	- 041 - 01854	WELL NO:	A-453
FARM NAME:	G.L. White		
RESPONSIBLE PARTY	NAME: Mineral Resourc	e Management, LLC	
COUNTY:	Lewis	DISTRICT:	Freemans Creek
QUADRANGLE:	Camden 7.5'		· .
SURFACE OWNER:	Charles E. White et al.		
ROYALTY OWNER:		· .	
UTM GPS NORTHING:	4,325,325		
UTM GPS EASTING:	538,991	GPS ELEVATION:	357 m.
height abo 2. Accuracy	AD 1983, Zone:17 North, Coordina ve mean sea level (MSL) - meters. to Datum - 3.05 meters ection Method:	·	RECEIVED
Survey Grade G	GPSPost Processed Differential	ıl 、	Office of Oil and Gas FFB 1 4 2022
Mapping Grade	e GPS X Post Processed Differential	ıl X	WV Department of Environmental Protection
	certify this data is correct to the best aformation required by law and the reaf Oil and Gas.	•	
Diane Wh	ite	Accountant	HG Energy LL
Signature		Title	, ,
2-7-2022	· · · · ·		
Date			



HG Energy, LLC 5260 Dupont Road Parkersburg, WV 26101 (304) 420-1100 - Office (304) 863-3172 - Fax

February 7, 2021

Jeff McLaughlin WVDEP Division of Oil & Gas 601 57th Street Charleston, West Virginia 25304

RECEIVED Office of Oil and Gas

FEB 1 4 2022

RE:

G. L. White A-453 (47-041-01854)

Freemans Creek District, Lewis County

West Virginia

WV Department of Environmental Protection

Dear Mr. McLaughlin:

Enclosed are Forms WW-4(A), WW-4(B), WW-9, WW-7, topo map, well record and copy of certified mailing receipt for a plugging application for Mineral Resource Management, LLC.

Please let me know if you have any questions or need further information. I can be reached at 304-420-1119 or dwhite@hgenergyllc.com.

Yours Truly,

Diane White

Diane White

Enclosures

cc:

Charles E. White, et al - Certified

Sam Ward - Inspector



Stansberry, Wade A <wade.a.stansberry@wv.gov>

Plugging Vertical Well Work Permits API: (47-041-01854)

Stansberry, Wade A <wade.a.stansberry@wv.gov>

Thu, Mar 24, 2022 at 1:35 PM

To: Diane White <dwhite@hgenergyllc.com>, "Ward, Samuel D" <samuel.d.ward@wv.gov>, John Breen <jbreen@assessor.state.wv.us>

I have attached a copy of the newly issued well permit numbers:

47-041-01854 - C L WHITE A-453

These will serve as your copy.

Thank you,

Wade A. Stansberry

Environmental Resource Specialist 3

West Virginia Department of Environmental Protection

Office of Oil & Gas

601 57th St. SE

Charleston, WV 25304

(304) 926-0499 ext. 41115

(304) 926-0452 fax

Wade.A.Stansberry@wv.gov

2 attachments

