

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

Friday, May 14, 2021
WELL WORK PLUGGING PERMIT
Vertical Plugging

DIVERSIFIED PRODUCTION LLC 101 MCQUISTON DRIVE

JACKSON CENTER, PA 16133

Re: Permit approval for 6275 47-047-01789-00-00

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: 6275

Farm Name: MEGA MINERALS, INC.

U.S. WELL NUMBER: 47-047-01789-00-00

Vertical Plugging
Date Issued: May 14, 2021



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. <u>Failure to adhere to the specified permit conditions may result in enforcement action.</u>

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.

47	0	4	7	0	1	7	8	94	1) Date April 15 2) Operator's Well No. 6275		2021
									3 \ 7 DT WO 1 1 NO 47-	D47	_ 01790

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

	APPLICATION FOR A PER	MIT TO PLUG AND ABANDON
4)	Well Type: Oil/ Gas X/ Liqui	d injection/ Waste disposal/
	(If "Gas, Production X or Un	derground storage) Deep/ Shallow X
5)	Location: Elevation 755.5ft	Watershed Low Gap Branch of Elkhorn Creek
0 /	District Elkhorn	County McDowell Quadrangle Keystone
	· · · · · · · · · · · · · · · · · · ·	
6)	Well Operator Diversified Production LLC	7)Designated Agent Jeff Mast
	Address P.O. Box 6070	Address P.O. Box 6070
	Charleston, WV 25362	Charleston, WV 25362
8)	Oil and Gas Inspector to be notified	9)Plugging Contractor
0)	Name Gary Kennedy	Name Diversified Production LLC (In-house Rig)
	Address 66 Old Church Road	Address 1951 Pleasantview Ridge Road
	Pipestem, WV 25979	Ravenswood, WV 26164
		
	See Atta	ACHED Office of Oil and Gas APR 26 2021 WV Department of Environmental Protection
	ification must be given to the district o	il and gas inspector 24 hours before permitted
Work	c order approved by inspector	much Date 4/2/21

PLUGGING PROGNOSIS

API# 47-047-01789 West Virginia, McDowell County 37.3839809767559, -81.4234048107765

Nearest ER: Welch Community Hospital: 454 McDowell St. Welch, WV 24801

Casing Schedule

12 3/4" csg @ 21' 9 5/8" csg @ 220' cemented to surface w/ 100 sks 7" csg @ 1189' cemented to surface w/ 190 sks 4 1/2" csg @ 5015' est TOC 4080' w/ 75 sks TD 5050'

Completion: Frac Weir 4501'-4511' Berea 4890'-4896'

Fresh Water: non reported Gas Shows: 4501', 4890' Oil Show: No shows

Coal: 150' Elevation: 2487'

1. Notify Inspectors Gary Kennedy @ 304-382-8402, 48 hours prior to commencing operations.

Check and record pressures on csg.

3. Check TD w/ wireline.

- 4. TIH w/ tbg to 4896'. Kill well as needed with 6% bentonite gel. Pump a minimum of 10 bbls. Pump 116' C1A cement plug from 4896'-4790' (Berea gas show). Tag TOC. Top off as needed.
- 5. TOOH w/ tbg to 4790'. Pump 6% bentonite gel from 4790'-4511'.
- 6. TOOH w/ tbg to 4511'. Pump 110' C1A cement plug from 4511'-4401' (Weir gas show).
- 7. TOOH w/tbg to 4401'. Pump 6% bentonite gel from 4401'-2487'. TOOH LD tbg
- TOOH w/ tbg to 4401. Pump 6% pentonne genroin 4401-2467. TOOH ES 108
 Free point 4 ½" csg. Cut and TOOH. Set 100' C1A cement plug across csg cut. 50' in/out of cut. Do RECEIVED
 Office of Oil and Gas not omit any plugs listed below. Perforate as needed.
- 9. TIH w/ tbg to 2487'. Pump 100' C1A cement plug from 2487'-2387' (Elevation).

APR 26 2021

WV Department of

Environmental Protection

- 10. TOOH w/ tbg to 2387'. Pump 6% bentonite gel from 2387'-1239'.
- 11. TOOH w/ tbg to 1239'. Pump 100' C1A cement plug from 1239'-1139' (7" csg st).
- 12. TOOH w/ tbg to 1139'. Pump 6% bentonite gel from 1139'-200'.
- 13. TOOH w/ tbg to 200'. Pump 200' C1A cement plug from 200'-0' (Coal and surface).
- 14. Erect monument with API#, date plugged, and company name.
- **15.** Reclaim location and road to WV-DEP specifications.

QWW AND SURFACE,

05/28/2021

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

DATE: 01/30/2004 470 4701789 470 1789 470 1789 9

Well Operator's Report of Well Work

Farm name: Mega Minerals	Opera	ntor Well No.:	5275	
LOCATION: Elevation: 2487.13'	Qua	drangle: Key	stone, WV 7.5	*
District: Elkhorn Latitude: 11,915 Feet South of 37 Deg. Longitude 2,015 Feet West of 81 Deg. 25	25 Min. (00 Sec.	Dowell	19.00
Company: Dominion Exploration & Production, Inc.	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: P O Box 1248				
Jane Lew, WV 26378				
Agent: Rodney J. Biggs				
Inspector: Ronald Scott				
Date Permit Issued: 05/02/2003				
Date Well Work Commenced: 11/11/2003	12 3/4"	21'	21'	Sand In
Date Well Work Completed: 12/02/2003				
Verbal Plugging: N/A	9 5/8"	220'	220'	100 sks
Date Permission granted on: N/A			11001	100.1
Rotary X Cable Rig	7"	1189'	1189'	190 sks
Total Depth (feet): 5050'	A 1/22	5015'	5015'	75 sks
Fresh Water Depth (ft.): N/A	4 1/2"	3013	3013	73 SKS
Salt Water Depth (ft.): N/A		-		
Sait water Deptit (it.): WA		 		RECEIVED
Is coal being mined in area (N/Y)? N				Office of Oil and Gas
Coal Depths (ft.): N/A 150		1		
(co)	15	3.48	E)	APR 26 2021
OPEN FLOW DATA				74.0.1
Berea			4890-4896	Carrier and the second
Producing formation Weir			(ft) 4501-451	1, Protectio
<u> </u>		open floBbl/d		
	nitial and final	-		
Static rock Pressure 450 psig (su	ırface pressur	e) after <u>12</u>	Hours	RECOGNIST OF THE PROPERTY OF T
Second producing formation	Pay zo	ne depth (ft)_		Opposition of the Allina
	Initial open i		301/4	FEB 18 2014
	inal open flor		bl/d	FEB ACCOUNT
Time of open flow between initial and		Hou		N Depain From
Static rock Pressurepsig (surface	ce pressure) a	fterHo	urs	FEB WW Deportment of color from the first color fr
NOTE: ON BACK OF THIS FORM PUT THE INTERVALS, FRACTURING OR STIMULATE LOG WHICH IS A SYSTEMATIC DETAILED INCLUDING COAL ENCOUNTERED BY THE	NG, PHYSICA GEOLOGICA	L CHANGE, E	ETC. 2). THE W	ELL
Signed:	KM B	est.		Jeff.
By: Rodney J. Biggs		11,		
Date:	2/17	104	nR	• •

WELL 6275 12/02/2003

TWO STAGE FRAC. <u>BEREA 4890' - 4896' (19 HOLES) - 70Q FOAM FRAC - 20,900 LB 20/40 SAND, 107 BBL FLUID, 185,000 SCF N2, 500 GAL 15% HCL IN FLUSH FOR 2ND STG, BDP 1380#, ATP 1637#, AIR</u>

20 BPM. <u>WEIR 4501' - 4511' (21 HOLES)</u> - 70Q FOAM FRAC - 36,000 LB 20/40 SAND, 140 BBL FLUID, 249,000 SCF N2,

BDP 1473#, ATP 1433#, AIR 20 BPM, ISIP 1304#.

Overburton	0	15
Sandstone	15	420
Sandy Shale	420	650
Sandstone	650	950
Shale	950	1180
Sandstone	1180	1300

FORMATIONS TOPS

Pride Shale	1305	1455
Avis Lime	1810	1854
Upper Maxton	2497	2550
Middle Maxton	2766	2812
Lower Maxton	2965	3008
Little Lime	3104	3429
Big Lime	3429	4222
Price FM	4222	4886
Weir	4479	4534
Sunbury	4853	4886
Berea	4886	4903
LTD		5088'

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Office of Oil and Gas

APR 26 2021

WV Department of Environmental Protection



WW-4A Revised 6-07

1)	Date:	April 15, 2021		_		 	-
2)	Operator	's Well Number					
	6275				_		

3) API Well No.: 47 -

047 - 01789

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

4)	Surface Own	er(s) to be served:	5) (a) Coal Operator		
•	(a) Name	Cleveland Cliffs Inc, Princeton WV Division	Name		
	Address	640 Clover Dew Dairy Road	Address		
		Princeton, WV 24739			
	(b) Name		(b) Coal Own	ner(s) with Declaration	
	Address		Name	Cleveland Cliffs Inc., Princeton WV Division	
			Address	640 Clover Dew Dairy Road	
				Princeton, WV 24739	
	(c) Name		Name		
	Address		Address		
6) [Inspector	Gary Kennedy	(c) Coal Less	see with Declaration	
	Address	66 Old Church Lane	Name	x	
		Pipestem, WV 25979	Address		
	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.

			10.0	RECEIVED Office of Oil and Gas
OF WEST U	OFFICIAL SEAL NOTARY PUBLIC	Well Operator	Diversified Production, LLC Jeff Mast	ADD 0.0.00
	STATE OF WEST VIRGINIA Phyllis A. Copley	By: Its:	Director Production	AFR 2 0 2021
	144 Willard Circle	Address	P.O. Box 6070	WV Department of
My	Commission Expires September 16, 20	23 1	Charleston, WV 25362	Environmental Protection
		Telephone	304-543-6988	
Subscribed and	d sworn before me the	yllusa. Co	ay of April, 2021 pluy Notary Public	É

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.

Well 6275 API: 47-047-01789

1150	U.S. Postal Service CERTIFIED MAIL® RECE Domestic Mail Only For delivery information, visit our website	0333
	Pringeton 1 2 239 A	0 3 -
파	Certified Mali-Fee \$3.60	0523 03
3854	Extra Services & Fees (check box; add fee as appropriate)	QQ.
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LI.	Return Receipt (electronic) \$ \$0.00	Here
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	Street and Apt. No., or PO Box No.	Companyant and a second
L	City State, 2194	739
	Print Profit	See Reverse for Instructions
	PS Form 3800, April 2015 For 5330, 88	

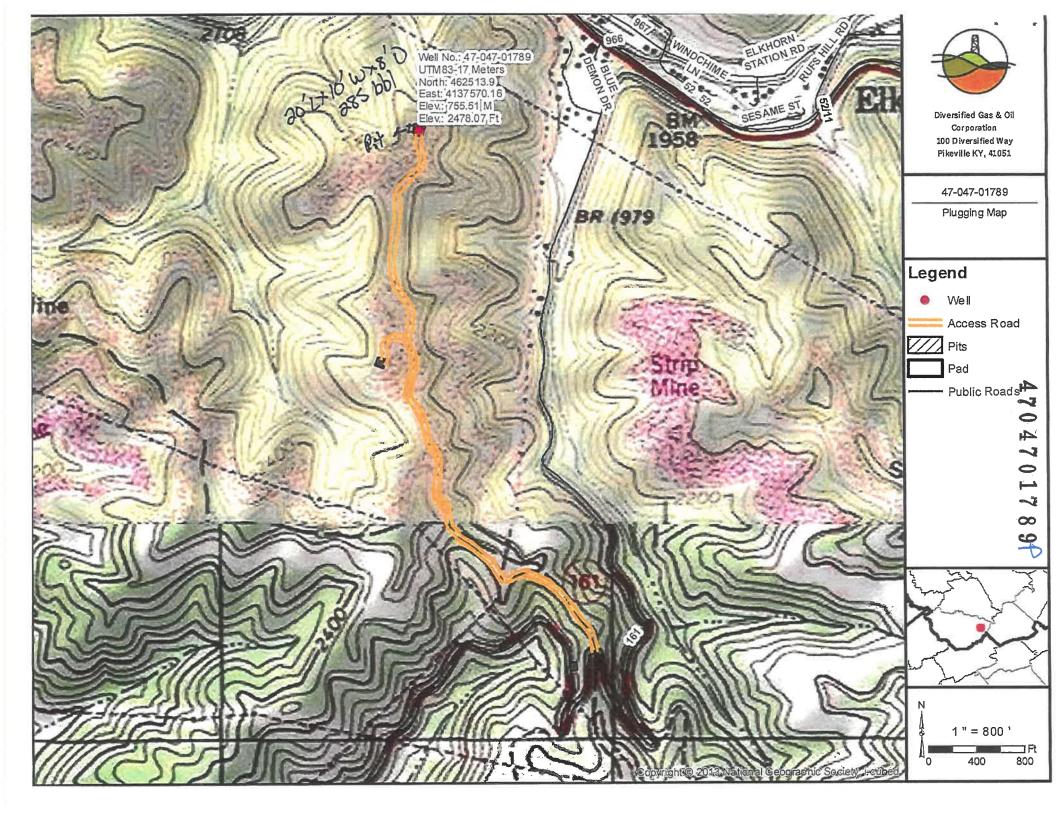
SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON D	
 Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mallplece, or on the front if space permits. Article Addressed to: Cleve land Cliffs Irr Cleve land Cliffs Irr Dew Salry Read Prince ton WY 34739 	B. Received by (Printed Name) D. Is delivery address different from If YES, enter delivery address by	C. Date of Delivery C. Date of Delivery C. Date of No
9590 9403 0267 5155 0091 06 2. Article Number (Transfer from service label)	3. Service Type Adult Signature Adult Signature Restricted Delivery Certified Mail® Certified Mail Restricted Delivery Collect on Delivery Collect on Delivery Insured Mail Insured Mail	□ Priority Mail Express® □ Registered Mail™ □ Registered Mail Restricte Delivery □ Return Receipt for Merchandise □ Signature Confirmation™ □ Signature Confirmation Restricted Delivery

API Number 47 - 047 - 01789 Operator's Well No. 6275

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

Operator Name Diversified Production LLC	OP Code 494524121	
Watershed (HUC 10)_Low Gap Branch of Elkhorn Creek Quadrangle K		-
Do you anticipate using more than 5,000 bbls of water to complete the proposed we	ell work? Yes No V	<u></u>
Will a pit be used? Yes V No		
If so, please describe anticipated pit waste: Produced fluid and cement re	eturns	
Will a synthetic liner be used in the pit? Yes No If so	o, what ml.?_20	-
Proposed Disposal Method For Treated Pit Wastes:		
Land Application (if selected provide a completed form Underground Injection (UIC Permit Number 47-047-015 Reuse (at API Number Off Site Disposal (Supply form WW-9 for disposal loca Other (Explain	ition))
Will closed loop systembe used? If so, describe:		
Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater	, oil based, etc.	
-If oil based, what type? Synthetic, petroleum, etc		
Additives to be used in drilling medium?		
Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc		Office of Oil and Gas
-If left in pit and plan to solidify what medium will be used? (cement, lim	e, sawdust)	APR 26 2021
-Landfill or offsite name/permit number?		WV Department of
Permittee shall provide written notice to the Office of Oil and Gas of any load of di West Virginia solid waste facility. The notice shall be provided within 24 hours of where it was properly disposed.	rejection and the permittee shall at	ected at any so disclose
I certify that I understand and agree to the terms and conditions of the GE on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of provisions of the permit are enforceable by law. Violations of any term or condition or regulation can lead to enforcement action. I certify under penalty of law that I have personally examined and am application form and all attachments thereto and that, based on my inquiry of those the information, I believe that the information is true, accurate, and complete. I submitting false information, including the possibility of fine or imprisonment. Company Official Signature	of Environmental Protection. I und on of the general permit and/or othe of familiar with the information su de individuals immediately responsi	derstand that the er applicable law ubmitted on this ble for o btaining ant penalties for
Company Official (Typed Name) Jeff Mast	+ 144 Willam	d Circle
Company Official Title Director Production	My Commission Expires	
Subscribed and swom before me this 15th day of april	, 20/ Notary Public	
My commission expires September 16, 2023		

		0.5	
Fertilizer type	Tons/acre or to correct	to pH 6.5	
	0-20 or equivalent		
Fertilizer amount_		lbs/acre	
Mulch_2		Tons/acre	
		Seed Mixtures	
Те	mporary	Perma	nent
Seed Type	lbs/acre	Seed Type	lbs/acre
Red Fescue	40	Red Fescue	15
Alsike	5	Alside Clover	5
Annual Rye	15		
Maps(s) of road, location, pi provided). If water from the	pit will be land applied, prov	application (unless engineered plans incluvide water volume, include dimensions (L,	W, D) of the pit, and dimensions
Maps(s) of road, location, pi provided). If water from the (L, W), and area in acres, of Photocopied section of invol	pit will be land applied, prov the land application area.	application (unless engineered plans incluvide water volume, include dimensions (L,	W, D) of the pit, and dimensions RECEIVED Office of Oil and APR 26 20
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Maps(s) of road, location, piprovided). If water from the (L, W), and area in acres, of Photocopied section of involutional Plan Approved by:	pit will be land applied, prov the land application area.	application (unless engineered plans incluvide water volume, include dimensions (L,	W, D) of the pit, and dimensions RECEIVED Office of Oil and APR 26 20
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West Virginia Department of Environmental Protection Office of Oil and Gas

WELL LO	CATION FORM: GPS		
_{API:} 47-047-01789	WELL NO.: 62	275	
FARM NAME: Mega Mine	rals Inc		
RESPONSIBLE PARTY NAME:	Diversified Production	on LLC	
COUNTY: McDowell	bistrict: Elk	horn	
QUADRANGLE: Keystone		:	
SURFACE OWNER: Clevela			
ROYALTY OWNER: Diversified Production LLC			
UTM GPS NORTHING: 4,137	7,570.16	(2476')	
UTM GPS EASTING: 462,51	3.9 GPS ELEVATI	ON: 755.5 m	RECEIVED
	t tropp t		Office of Oil and Gas
The Responsible Party named above preparing a new well location plat for above well. The Office of Oil and Other following requirements: 1. Datum: NAD 1983, Zon height above mean sea letter above mean sea letter above to Datum – 3.0. 3. Data Collection Method Survey grade GPS: Post Part Post Preparency of the	or a plugging permit or assigned A Gas will not accept GPS coordinate e: 17 North, Coordinate Units: me evel (MSL) — meters. D5 meters	API number on the sthat do not meet	APR 26 2021 WV Department of vironmental Protectio
	Time DifferentialX		
Mapping Grade GPS X: Pos	al-Time Differential		
	topography map showing the we is data is correct to the best of my is required by law and the regulation	knowledge and	
	Director Production	04/13/2020	-
Signature	Title	Date	

Well: 6275

API: 47-047-01789

PLUGGING PERMIT CHECKLIST

Plugging Permit	
WW-4B WW-4B signed by inspector	
SURFACE OWNER WAIVER or PROOF THAT APPLICATION WAS SENT BY REGISTER MAIL	RED OR CERITFIED
COAL OWNER/COAL OPERATOR/COAL LESSEE WAIVERS or PROOF THAT APPLICA BY REGISTERED OR CERTIFIED MAIL	ATION WAS SENT
WW-9 PAGE 1 (NOTARIZED)	
WW-9 PAGE 2 with attached drawing of road, location, pit and proposed area fo	r land application
WW-9 GPP PAGE 1 and 2 if well effluent will be land applied	
RECENT MYLAR PLAT OR WW-7	
WELL RECORDS/COMPLETION REPORT	RECEIVED Office of Oil and Gas
TOPOGRAPHIC MAP OF WELL, SHOWING PIT IF PIT IS USED	APR 26 2021
MUST HAVE VALID BOND IN OPERATOR'S NAME CHECK FOR \$100 IF PIT IS USED.	WV Department of Environmental Protection