

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, July 28, 2022
WELL WORK PLUGGING PERMIT
Coal Bed Methane Well Plugging

DIVERSIFIED PRODUCTION LLC 101 MCQUISTON DRIVE JACKSON CENTER, PA 16133

Re: Permit approval for WPHC-006A 47-109-02497-00-00

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: WPHC-006A

Farm Name: FOREST LAND GROUP

U.S. WELL NUMBER: 47-109-02497-00-00

Coal Bed Methane Well Plugging
Date Issued: 7/28/2022

Promoting a healthy environment.

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	April	11	27	, 2	0 22
2)Oper Well	ator	s	006A	24	
3)API	Well	No.	47 - 109		02497

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

	OFFICE OF C	JIL AND GAD
	APPLICATION FOR A PERM	IT TO PLUG AND ABANDON A COALBED METHANE WEE
	Well Type: Oil/ Gas X / Liquid	injection / Waste disposal/
4)	Well Type: Oil/ Gas X/ Higher (If "Gas, Production X or Und	derground storage) Deep/ Shallow X
F.1	Location: Elevation_1758.61ft	Watershed Rockhouse Fork of Clear Fork
5)	District Oceana	County Wyoming Quadrangle McGraws
C)	Well Operator Diversified Production, LLC	7) Designated Agent Jeff Mast
0)	Address 414 Summers Street	Address 31 Hickory Drive
	Address 414 Summers Subst	Barboursville, WV 25504
	Charleston, WV 25301	
8)	Oil and Gas Inspector to be notified	
	Name Gary Kennedy	* 257235
	Address 66 Old Church Lane	Address P.O. Box 40
	Pipestem, WV 25979	Hueysville, KY 41640-0040
	THIS IS AN ACCESS WELL PINNATE WELL. NO PRO	FOR A HORIZOWTAL CBM
		Office of Oil and Gas APR 25 2022 WV Department of Environmental Protection
WOI	ck can commence.	oil and gas inspector 24 hours before permitted Lewert
Wo	rk order approved by inspector	Kenny Date 4/22/22

Plugging Prognosis

API#: 4710902497

Casing Schedule:

13 3/8" @ 103 (CTS w/ 24 cu ft) 7" @ 561' (CTS w/ 136 cu ft)

TD listed as 611' Estimated kickoff @ 575'

- B Hole
- Lower Beckley: 17,500' x 4.75" Hole ID = 2,153 Cu ft = 480 BBL w/ 125% excess ✓

Completion – Pilot Well for CBM production, projected depth of coal seam 575' to 611'. Unknown if well has bridge plug in it.

Fresh Water: None listed Salt Water: None listed Gas Shows: None listed Oil Shows: None listed

Coal: None Listed Coal 267

Elevation: 1,759'

- 1. Notify Inspector Gary Kennedy @ 304-382-8402, 48 hrs prior to commencing operations.
- 2. Record pressure on csg.
- 3. Tag TD and record TD.
- 4. Kill well as needed w/ 6% bentonite gel
- 5. Bridge lateral with bentonite pellets. Top not to exceed 611'
- 6. TIH w/ tbg to 611'. Pump 100' C1A cement plug from 611' to 511' (7" csg shoe plug). Tag TOC
- 7. TOOH w/ tbg to 511'. Pump 6% bentonite gel spacer from 511' to 153'.
- 5 8. Confirm 7" csg is cemented to surface. If not TOOH w/ tbg. Free point csg and set plug 50' in/out of cut for total of 100'.
 - 9. TOOH w/ tbg to 153'. Pump 153' C1A cement plug from 153' to surface
- 4. 10. Reclaim site and set monument per WV DEP regulations.
- 9. 11. Note: The uncased 4 ¾" wellbore from curve to lateral will be filled w/ gel/cement from the production well (47-109-2498) when plugging it.

6 SET CIBP AS CLOSE TO

BOTTOM OF 7" CASING AS POSSIBLE.

7 FILL WITH EXPANDING CEMENT FROM

CIBP TO TOP OF 7" CASING.

RECEIVED
Office of Oil and Gas

APR 2 5 2022

WV Department of Environmental Protection

Jew un

Rocktouse Fork

109-01139

15

ACCESS

109-02497

25 1

PRODUCTION 147-12498

109-01329

WR-35

DATE: 02/22/2006 API#:: 4710902497C

State of West Virginia Division of Environmental Production Section of Oil and Gas

Well Operator's Report of Well Work

-	O. andress			
Quadrangle: McGraws 7 1/2'				
	County: Wyo	mina		
Dog 45				
	A			
Deg. 21	- NII) 1. 50			
Casing and Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.	
13 3/8"	103'	103'	24 cu ft	
7"	561'	561'	136 cu ft	
		7		_
				-
				_
	}			
			-	
				1886
				All I
1	4	E:	· ·	
	Pa	v zone depth (ft)		RECEIVED
Oil: Initial open flo		STATES OF THE STATES OF THE STATES		Office of Oil and Gas
	Bbl/d	•		100 0 = 0
	Hours			APR 2 5 2022
ce pressure) after	- Hou	ırs		
oc pressure,				Environmental D
				Environmental Protection
1/47		Vd		1
al tests:				
pressure) after	Hol	ITS		
LLOWING: 1). DE, PHYSICAL CHA. GICAL RECORD (ETAILS OF PER NE, TEC. 2). TH OF ALL FORMA	FORATED HE WELL LOG ATIONS, INCLUD	VICTORIAN CONTRACTORIAN CONTRA	Cas X Y O 247
	Oil: Initial open file Final open flow al tests: ce pressure) after Cit: Initial open flow al tests: ce pressure) after	Deg. 45 Min. 00 Deg. 27 Min. 30 Casing and Tubing Used in drilling 13 3/8" 103' 7" 561' Oil: Initial open flow	Casing and Used in Left in well	Deg. 45 Min. 00 Sec. Deg. 27 Min. 30 Sec. Casing and Tubing drilling Left in well up Cu. Ft. 13 3/8" 103" 103" 24 cu ft 7" 561" 561" 136 cu ft 136 cu ft

4710902497

FORM WR-35R (REVERSE)

DETAILS OF PERFORATIONS, FRACTURING, OR PHYSICAL CHANGE, ETC.

PERMIT #.4710902497C WELL #: WPHC-006A

THE

FORMATIONS	TOP	воттом	REMARKS
Sandstone/Shale/Coal	0	1332	
Coal (Lower Beckley)	1332		Turned Horizontal

CONL @ 267'

Office of Oil and Gas

APR 2 5 2022

WV Department of Environmental Protection WW-4A Revised 6-07

1) Date: April 11, 2023	2		
2) Operator's Well Numb WPHC-006A	oer		
3) API Well No.: 47 -	109	 02497	

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

NOTICE OF A	PPLICATION'	TO PLUG AN	D ABANDON A WELL	
4) G G G G G G G G G G G G G G G G G G G	5) (a)	Coal Operator		
 Surface Owner(s) to be served: (a) Name Lyme Mountaineer Timberla 		Name	None	
Address 23 South Main		Address		
Hanover, NH 03755			() ith Declaration	
(b) Name		12.12	ner(s) with Declaration West Virginia Mid Vol Inc.	
Address		Name	836 Euclid Avenue, Suite 302	
		Address	Lexington, KY 40502	
		Name	Lexington	
(c) Name		Address		
Address		, Madrees		
		(c) Coal Les	ssee with Declaration	
6) Inspector Gary Kennedy		Name	Prime Met Inc.	
Address 66 Old Church Lane Pipestem, WV 25979		Address	836 Euclid Avenue, Suite 302	
		•	Lexington, KY 40502	
To THE PERSONS NAMED		-		
The reason you received these documer However, you are not required to take an Take notice that under Chapter 22-6 of accompanying documents for a permit the Protection, with respect to the well at the Application, and the plat have bee certain circumstances) on or before the	the West Virginia Code o plug and abandon a w ne location described or mailed by registered	the undersigned we well with the Chief of the attached Application or certified mail or of	Il operator proposes to file or has the Office of Oil and Gas, West V	filed this Notice and Application and irginia Department of Environmental

OFFICIAL SEAL NOTARY PUBLIC	Well Operator	Diversified Producti	on, LLC	
STATE OF WEST VIRGINIA Phyllis A. Copley	By:	15/1	Jeff Mast	
144 Willard Circle	Its:	Director Technical		Office of Oil and Gas
Hurricane, WV 25528 My Commission Expires September 16, 2023	Address	414 Summers Street		Office of Off and Gas
My Commission Commissio	4	Charleston, WV 25	301	APR 2 5 2022
	Telephone	304-543-6988	1.	
Subscribed and sworn before me th	nis 11 40 d	ay of Ci	Pul 2022 Notary Publi	

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.

47-109-02497 WPNC-006A

U.S. Postal Service" **CERTIFIED MAIL® RECEIPT** 587 Domestic Mail Only ENHEUS? Ш Certified Mail Fee \$3.75 522 0523 \$3.05 W 1 04 Extra Services & Fees (check box, add fee as appropria Return Receipt (hardcopy) 1000 \$0.00 APostmark Return Receipt (electronic) \$0.00 Certified Mail Restricted De Adult Signature Required \$0.00 Adult Signature Restricted D 50 \$1.76 04/19/2022 T' Total F \$8.56 WPHC-006A WPHC-006B 7020 Lyme Mountaineer Timberlands Street 23 South Main Hanover, NH 03755 City, S PS Fo U.S. Postal Service™ **CERTIFIED MAIL® RECEIPT** 900 Domestic Mail Only www.usps.com[®]. For delivery information, visit our Lexinston, KY 40502 十二 Certified Mail Fee \$3.75 0523 75. APR 114 Extra Services & Fees (check box, a Return Receipt (hardcopy) Posmark \$0.00 Return Receipt (electronic) 022 Certified Mail Restricted Delivery \$0.00 Adult Signature Required \$0.00 Adult Signature Restricted Delivery \$ 3160 Postage \$1.76 04/19/2022 Total WPAC-006A WPHC-006B 7020 West Virginia Mid Vol Inc. 836 Euclid Avenue, Suite 302 Stree Lexington, KY 40502 City, U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only For delivery information, visit our website at www.usps.com® 7 H Lexinaton, KY 40502 ы 0523 Certified Mail Fee \$3.75 527 04 \$3.05 Extra Services & Fees (check box, add fee as appropria Return Receipt (hardcopy) \$0.00 Return Receipt (electronic) \$0.00 Certified Mail Restricted Deli Adult Signature Required \$0.00 Adult Signature Restricted Deli 50 \$1.76 04/19/2022

WPHC-006B

836 Euclid Avenue, Suite 302

Lexington, KY 40502

WPHC-006A, Prime Met Inc.

Office of Oil and Gas

APR 20 2022

W Department of Environmental Protection

Total

Sent

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City,

PS Form Jour, April 2019

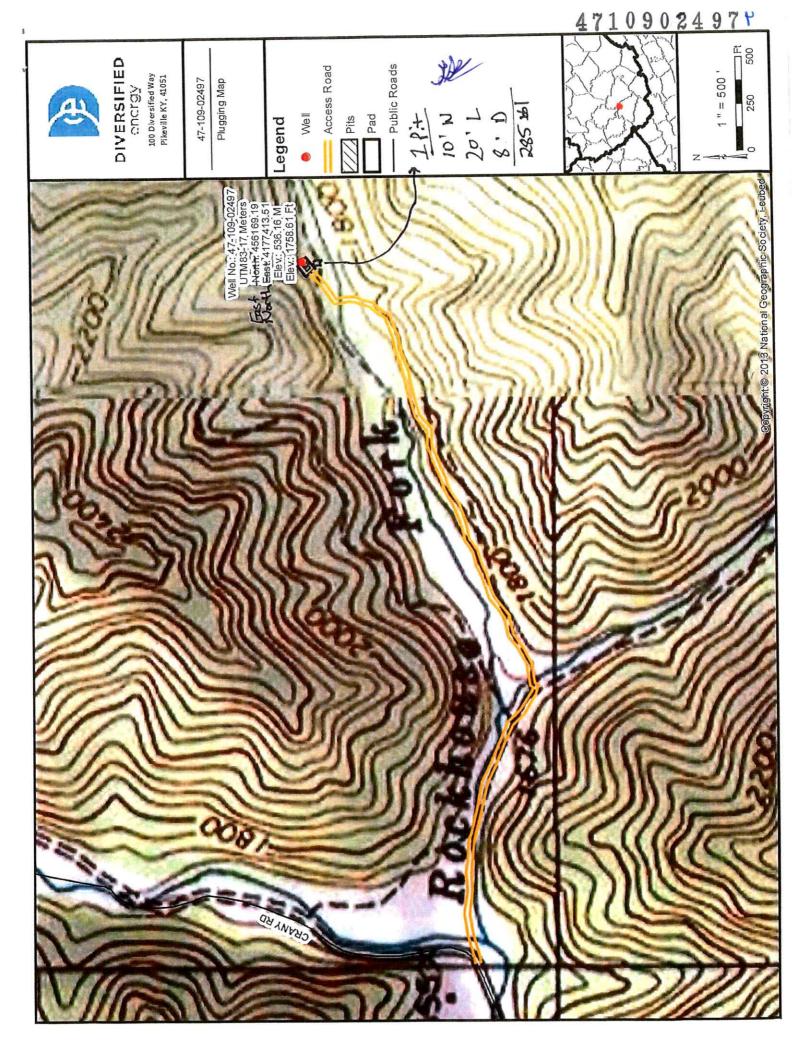
WW-9 (5/16)

API Numbe	r 47	7 -	109	_ 02497	
Operator's	Well	No	. WP	HC-006A	

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN	
0.0 1.404524121	
Ouadrangle McGraws	
the coop blood water to complete the proposed well Work? Yes 100	
vo v	
If so, please describe anticipated pit waste: Produced had and general and an arrangement and an arrangement and arrangement arran	
Will a synthetic liner be used in the pile.	
Proposed Disposal Method For Treated Pit Wastes:	
Land Application (if selected provide a completed form WW-9-GPP) Underground Injection (UIC Permit Number Twin Branch 47471511	
Reuse (at API Number) Off Site Disposal (Supply form WW-9 for disposal location)	
Off Site Disposal (Supply form w w = 9 for disposal todates) Other (Explain	
Will closed loop systembe used? If so, describe: N/A	
Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. N/A	
Is all based what type? Synthetic, petroleum, etc, N/A	
the drilling medium? NA	
Dilly with an diamonal method? Leave in pit, landfill, removed offsite, etc. 1975	
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 Cas 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 I, 2016, by the Office of Oil and Cas 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 o btaining 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 Company Official Title Director Technical Services I certify under penalty of law that I have personally examined and am familiar with the information submitted on this information is understand that the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for o btaining application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for o btaining application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for o btaining application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for o btaining application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for o btaining application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for o btaining application form and all attachments thereto and that, based on my inquiry of thos	
Subscribed and sworn before me this 11 day of Office of Oil and Gas	
APR 2 5 2022 Apr 2 5 2022	
My commission expiresSeptember 16, 2023	ion

posed Revegetation Treatment:	Acres Disturbed 1 +/-	Preveg etation pl	1	
	Tons/acre or to correct to pH			
Fertilizer type	10-20-20 or equivalent			
Fertilizer amount	lbs	s/acre		
Mulch 2				
-				
	Seed	<u>Mixtures</u> Perma	anent	
Tempor		Seed Type	lbs/acre	
Seed Type	lbs/acre 40	Red Fescue	15	
Red Fescue	5	Alsike Clover	5	
Alsike	15	5		
Annual Rye	10			
rovided). If water from the pit of the L, W), and area in acres, of the	land application area.	cation (unless engineered plans incl vater volume, include dimensions (I	uding this info have _, W, D) of the pit, a	been and dimen
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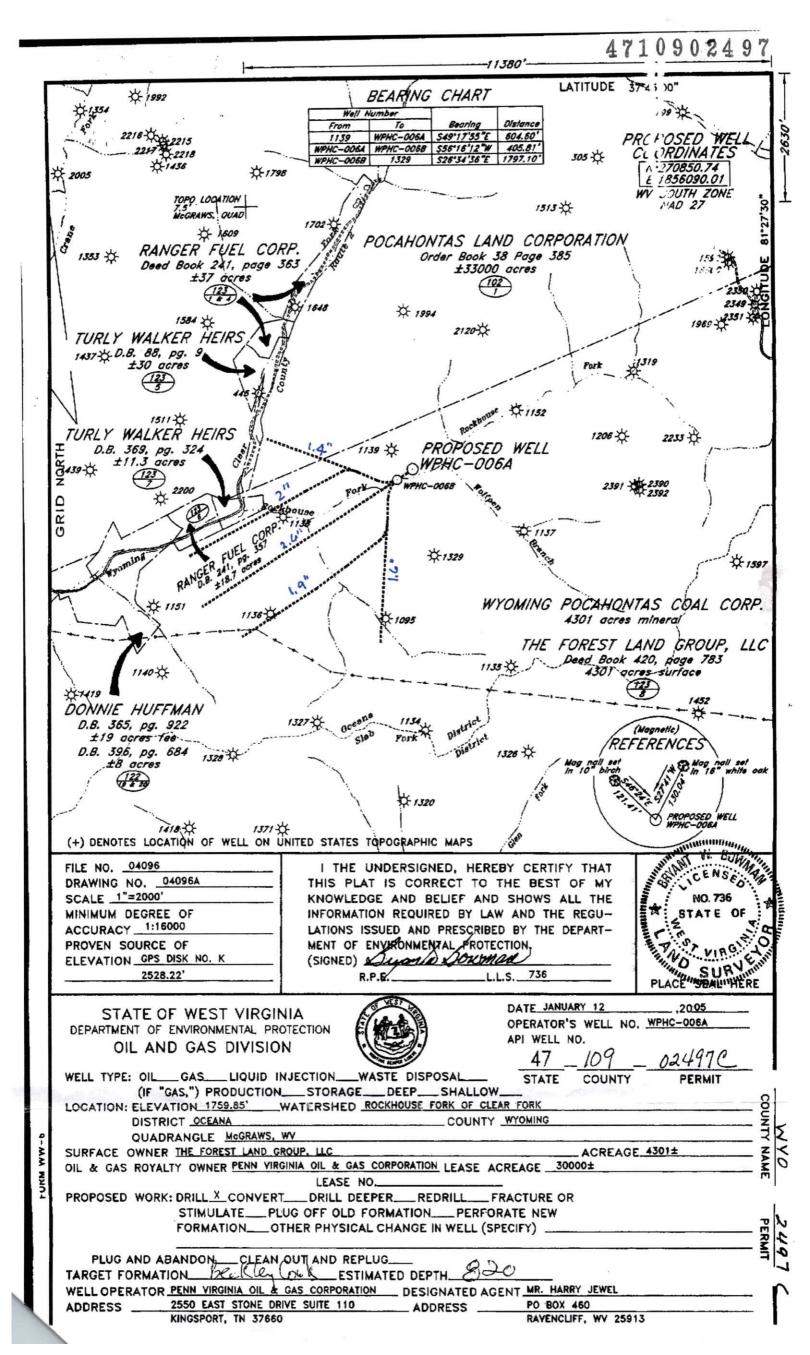




West Virginia Department of Environmental Protection Office of Oil and Gas

WELL LOCATION FORM: GPS

WELL LOC	MITON I OIGH, GIS	
_{API} : 4710902497	WELL NO.: V	VPHC-006A
FARM NAME: The Forest I	_and Group	
RESPONSIBLE PARTY NAME:	Diversified Producti	on LLC
COUNTY: Wyoming	DISTRICT: Oc	eana
$_{QUADRANGLE:}$ McGraws,	WV	
SURFACE OWNER: Lyme M	ountaineer Timberl	ands
ROYALTY OWNER: DP Blue	egrass LLC	
UTM GPS NORTHING: 41774	13.51	
UTM GPS EASTING: 456169	.19 GPS ELEVAT	_{ION:} 1758.61
The Responsible Party named above preparing a new well location plat for above well. The Office of Oil and Gathe following requirements: 1. Datum: NAD 1983, Zone height above mean sea levent above	r a plugging permit or assigned as will not accept GPS coordinate: 17 North, Coordinate Units: movel (MSL) – meters.	API number on the es that do not meet
	me Differential	
Mapping Grade GPS X : Post	Processed Differential X	Office of Oil and Gas
Real	-Time Differential	APR 2 5 2022
4. Letter size copy of the to I the undersigned, hereby certify this belief and shows all the information prescribed by the Office of Oil and O	required by law and the regulation	knowledge andironmental Protection
Digitally signed by Austin Sutler Date: 2022.04.08 12:19:41 -04'00'	Sr. Proj. Manager	4/8/2022
Signature	Title	Date





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

ATTN 4710902497 plugging application has been issued.

1 message

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

Thu, Jul 28, 2022 at 10:27 AM

To: Gary L Kennedy <gary.l.kennedy@wv.gov>, Wade A Stansberry <wade.a.stansberry@wv.gov>, Jeffrey W McLaughlin <jeffrey.w.mclaughlin@wv.gov>, mecook2@assessor.state.wv.us, Phyllis Copley <pcopley@dgoc.com>, asutler@dgoc.com

To whom it may concern, 4710902497 plugging application have been issued.

James Kennedy WVDEP OOG

2 attachments



4710902497.pdf 2916K



IR-8 Blank.pdf 237K