

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, August 25, 2022 WELL WORK PLUGGING PERMIT Vertical Plugging

TERM ENERGY CORPORATION 713 EAST MAIN STREET

HARRISVILLE, WV 263620000

Re:

Permit approval for 1 47-021-01640-00-00

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: 1

Farm Name: BOILON HEIRS

U.S. WELL NUMBER: 47-021-01640-00-00

Vertical Plugging Date Issued: 8/25/2022

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 6/15	, 2022
2)Operator's	
Well No.4	
3) APT Well No.	47-021 -01640

	STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS						
	APPLICATION FOR A PERM	MIT TO PLUG AND ABANDON					
19676	Well Type: Oil/ Gas X/ Liquid	d injection / Waste disposal/					
4)	Well Type: Oll/ Gas Dragation or Unc	derground storage Deep / Shallow					
5)	Location: Elevation 896	Watershed Sand Fork					
,	District Glenville	County Gilmer Quadrangle Gilmer 7.5					
6)		7) Designated Agent Leroy Baker					
	Address 713 East Main Street	Address					
	Harrisville, WV 26362						
8)	Oil and Gas Inspector to be notified	9) Plugging Contractor Name R&R Well Service L.L.C.					
	Name Derek Haught Dov & NEWCON	Address 42 Lynch Ridge					
	Address P.O. Box 85 Smiyhville, WV 26178	Walton WV 25286					
	SHIIIYIVIIIE, VVV 20176	Trailor IV LoLos					
,	Set cement plug 2200 to 2050 Set 100' cement plug across casing cut Set 100' plug 950 to 850 (elevation plug	HRS, TAG PLUC, ADD CENEUR IF NEED ED. RECEIVED Office of Oil & Gas E NEEDED. WW. Department of					
CL	ASS A CEMENT PLUCS						
vorl	k can commence.	il and gas inspector 24 hours before permitted					
vor)	k order approved by inspector Douglas	Newlow Date 6-28-2022					



DEPARTMENT OF MINES OIL AND GAS DIVISION

47	021	164	9
	ENIC	10	23

Perf. bottom.

Rotary Spudder Cable Tools Storage

adrangle Burnsville

ermit No GIL-1640 ompany W. H. Mossor

101 E. Hain St., Harrisville, W. Va.

arm Boilen Heirs

organtown, W. Va.

rilling commenced___ brilling completed__

Rock Pressure 720

WELL ACIDIZED

ate Shot_

)pen Flow

Dil. 23 bbl

Vith_

ucation (waters) Sand Fork Tell No (Four) # h

istrict Glenville County Gilmer he surface of tract is owned in fee by Frank Peters

lineral rights are bwned by Hadalyn Frankhouser

___Address.

From....

November 16, 1964 January 8, 1965

(mlando, W. Va. Address_

/10ths Water in.

WELL FRACTURED DOWELL 1/21/65

/10ths Merc. in Tolume 750,000 (After Fracture) WELL RECORD

Inch

_Cu. Ft.

_bbis., 1st 24 hrs.

ECORD		Oil or Gas Well Oil & Gas				
Casing and Tubing	Used in Drilling	Left in Well	Packers			
Size	20	20	Kind of Packer			
10	227 969	0	Size of			
61/4			Depth set			
5.3/16 \$ 122 2		2903	Perf. topPerf. bottom			
Liners Used			Perf. top			

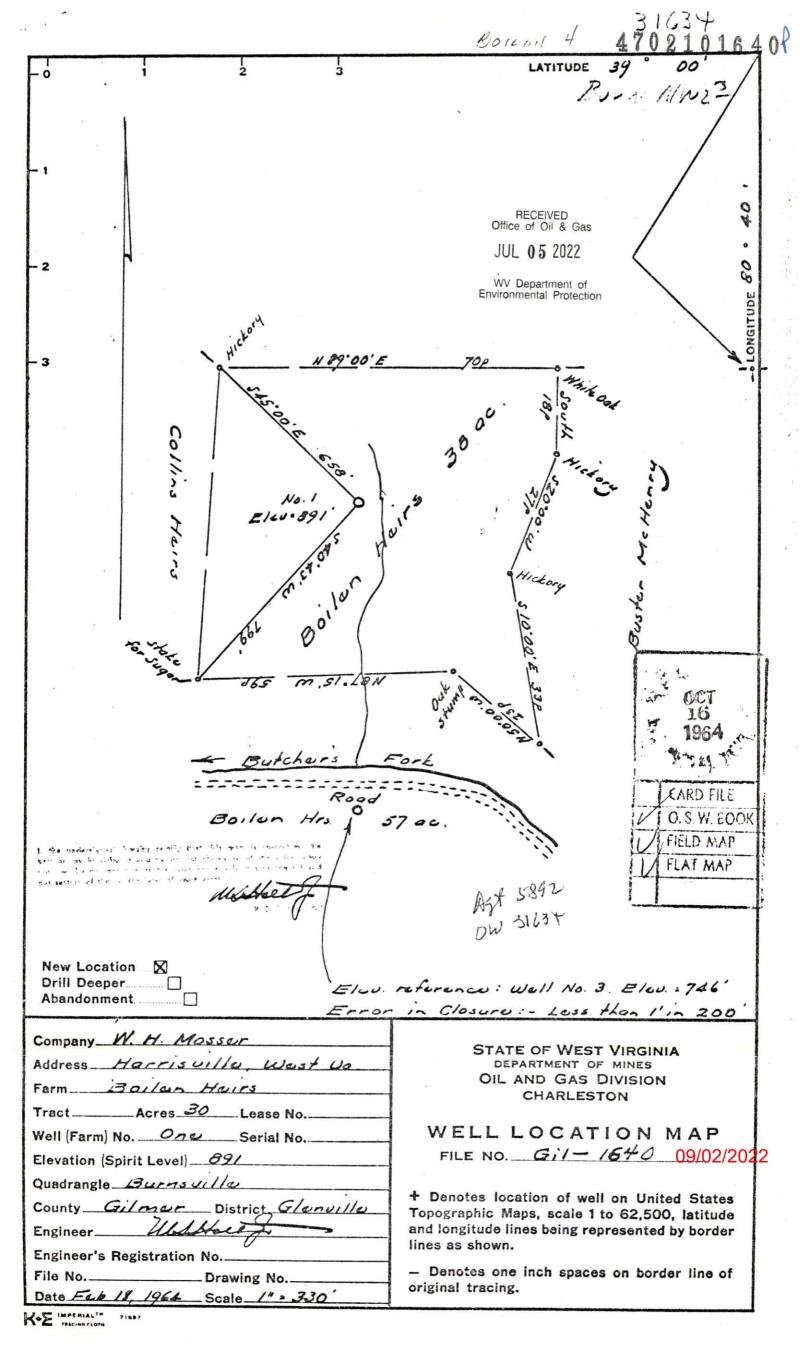
CASING CEMENTED IS SIZE 100 Dowell-135 Gu Ft of Osment	O No. Ft1/13/65 Date
COAL WAS ENCOUNTERED ATNONS	FEETINCHES
FEET INCHES	FEETINCHES
FEETINCHES	

750,000 ou ft gas and 23 bbl oil par day RESULT AFTER TREATMENT_

24

Shut in 24 hours

Formation	Color	Hard or Soft	Тор	Bottom	Oil, Gas or Water	Depth	Remarks
hed Rock Sand hed Rock Sand Red Rock Sand Slate Sand Slate Lime Slate Gerdon Sand Slate State			0 122 182 350 101 786 968 1182 1179 1850 2094 2285 2556 2622 2657 2666 2852 7660	122 182 350 101 786 968 1182 1179 1850 2094 2285 2556 2622 2657 2666 2852 2860		ľ	MAY 4 1965 CARD FILE O.S. W. ROOM U. FIELD MAP FLAT MAP
	Perforati	Gord	Injun 2119 Ion 2661 Sand 2854	2690		·	09/02/2022



WW-4A Revised 6-07

1)	Date:	6/15/22		 	_
		Well Number			
4					
2)	ADI Wall N	10 : 47	021	01640	

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE 0F APPLICATION TO PLUG AND ABANDON A WELL

	Surface Own	ner(s) to be serv		5) (a)	Coal Operator Name		
	Address	102 4th Street NE	E		Address		
		navarre, OH 4466	62		(h) Coal Own	ner(s) with Declaration	
	(b) Name					ner(s) with Declaration	
	Address				Name		
					Address		
	(c) Name				Name		
	Address				Address		
6) I	nspector	Derek Haught	Doug NEW	ILOV	(c) Coal Less	see with Declaration	
	Address	P.O. Box 85			Name		
	ruur coo	Smithville, WV 26	5178		Address		
	Telephone						·····
_					-		DECEIVED

TO THE PERSONS NAMED ABOVE: You should have received this Form and the following do RECEIVED Office of Oil & Gas

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

WV Department of

The reason you received these documents is that you have rights regarding the application which are summarized in the insmutrons mental remotection. 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.

ATTEN-	OFFICIAL SEAL NOTARY PUBLIC
6.19	STATE OF WEST VIRGINIA
日本社会	Pamela Hendrickson
1. C. S.	166 Whitetail Drive
1100	Oalro WV 26337
	My Commission Expires April 19, 2029

Well Operator	Term Energy Corp.
By:	Leroy Baker
Its:	Designated Agent
Address	713 East Main
	Harrisville, WV 26362
Telephone	

Subscribed and sworn before	me this	15th	day of	June,	otary Public	
	April	19th, 2020			 	

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.

1704	U.S. Postal Service [™] CERTIFIED MAIL [®] REC Domestic Mail Only For delivery information, visit our website	
H	Navanrez OH 44662	at www.usps.com
8020	Certified Mail Fee \$3.75 \$ Extra Services & Fees (check box, add fee as appropriate) Return Receipt (hardcopy)	0622 06
1000	Return Receipt (hardcopy) \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Postmark Here
3760	Postage \$1.56 \$ Total Postage and Fees \$3.36	07/01/2022
7020	Sent To James Bowen Heirs Yo Ruby Da Street and Api. No., or PO Box No. 102 4th St. City, State, 219-48 Nowarre, Ohio 44462	
	PS Form 3800, April 2015 PSN 7530-02-000-9047	See Reverse for Instructions

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Office of Oil & Gas

JUL 05 2022

WV Department of Environmental Protection

SURFACE OWNER WAIVER

Operator's	Well
Number	

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 Office of Oil & Gas grounds:

1) The proposed well work will constitute a hazard to the safety of persons.

JUL 05 2022

WV Department of

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 n objection to a permit being issued on to FOR EXECUTION BY A NATURAL ETC.	those materials.	e planned wor		aterials, and I have no
	Date	Name		
Signature		By		Date
		Its		Date
			Signature	Date

WW-4B

API No.	47-021-01640
Farm Name	Boilen Hrs
Well No.	#4

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 then 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
has examined this proposed plugging work	/ owner/ lessee/ of the coal under this well location order. The undersigned has no objection to the work proposed to be perator has complied with all applicable requirements of the West s.
Date:	
	Ву:
	Its

RECEIVED Office of Oil & Gas

JUL 05 2022

WV Department of Environmental Protection

API Number	47 - 021	_ 01640	
Operator's W	ell No. 4		

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

	FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN	
Operator Name Term Energy Corpor	ration OP Code	
Watershed (HUC 10)	Quadrangle Gilmer 7.5'	
Do you anticipate using more than	n 5,000 bbls of water to complete the proposed well work? Yes	No 🗸
Will a pit be used? Yes		
If so, please describe ant	icipated pit waste:	
Will a synthetic liner be	used in the pit? Yes No If so, what ml.?	
Proposed Disposal Meth	od For Treated Pit Wastes:	
	application (if selected provide a completed form WW-9-GPP)	
	ground Injection (UIC Permit Number	
 Off Site 	(at API Numbere Disposal (Supply form WW-9 for disposal location)	7
Other	(Explain_ Steel Pit will be used to contain fluids	
Will closed loop systembe used?	If so, describe: N/A	
Drilling medium anticipated for the	nis well (vertical and horizontal)? Air, freshwater, oil based, etc.	
-If oil based, what type?	Synthetic, petroleum, etc	RECEIVED
reductives to be ased in drining in	cuam	250000
Drill cuttings disposal method? L	eave in pit, landfill, removed offsite, etc	JUL 05 2022
-If left in pit and plan to	solidify what medium will be used? (cement, lime, sawdust)	WV Department of
	/permit number?	Environmental Protection
	otice to the Office of Oil and Gas of any load of drill cuttings or associ The notice shall be provided within 24 hours of rejection and the pen	
on April 1, 2016, by the Office of provisions of the permit are enforced or regulation can lead to enforced application form and all attachment the information, I believe that the	of law that I have personally examined and am familiar with the innts thereto and that, based on my inquiry of those individuals immediate information is true, accurate, and complete. I am aware that there using the possibility of fine or imprisonment. Leroy Baker	tection. I understand that the ait and/or other applicable law information submitted on this tely responsible for o btaining are significant penalties for
Subscribed and sworn before me t	this 15th day of June , 2022	OFFICIAL SEAL NOTARY PUBLIC
Pamela Henolius	200000000000000000000000000000000000000	STATE OF WEST VIRGINIA Pamela Hendrickson 166 Whitetail Drive Qairo WV 28937 My Commission Expires April 19, 20
My commission expires Apr	-11 19th, 2024	

		Operators w	ell No. 4
roposed Revegetation Trea	itment: Acres Disturbed 1	Preveg etation pl	6.5
	Tons/acre or to correct		
Fertilizer type 10-			
	500	lbs/acre	
Mulch_hay		Tons/acre	
		Seed Mixtures	
Т	emporary	Perma	nent
Seed Type	lbs/acre	Seed Type	lbs/acre
escue	30	Fescue	30
Contractor's Mix		Contractor's Mix	
Maps(s) of road, location, provided). If water from the (L, W), and area in acres, o	e pit will be land applied, pro- f the land application area.	application (unless engineered plans incluvide water volume, include dimensions (L.	ding this info have been W, D) of the pit, and di
Maps(s) of road, location, provided). If water from the (L, W), and area in acres, o	e pit will be land applied, pro- if the land application area. blved 7.5' topographic sheet.	vide water volume, include dimensions (L.	W, D) of the pit, and di
Maps(s) of road, location, provided). If water from the L, W), and area in acres, o Photocopied section of inverse.	e pit will be land applied, pro- of the land application area. olved 7.5' topographic sheet.	vide water volume, include dimensions (L.	W, D) of the pit, and di
Maps(s) of road, location, provided). If water from the L, W), and area in acres, o Photocopied section of inverse.	e pit will be land applied, pro- of the land application area. olved 7.5' topographic sheet.	vide water volume, include dimensions (L.	W, D) of the pit, and di
Maps(s) of road, location, provided). If water from the (L, W), and area in acres, o Photocopied section of involved plan Approved by:	e pit will be land applied, pro- of the land application area. olved 7.5' topographic sheet.	vide water volume, include dimensions (L.	RECEIVED
Maps(s) of road, location, provided). If water from the (L, W), and area in acres, o Photocopied section of inverse Plan Approved by:	e pit will be land applied, pro- of the land application area. olved 7.5' topographic sheet.	vide water volume, include dimensions (L.	RECEIVED Office of Oil & Gas JUL 05 2022 WV Department of
provided). If water from the (L, W), and area in acres, o Photocopied section of involutions of the control of	e pit will be land applied, pro- of the land application area. olved 7.5' topographic sheet.	vide water volume, include dimensions (L.	RECEIVED Office of Oil & Gas JUL 05 2022 WV Department of
Maps(s) of road, location, p provided). If water from the (L, W), and area in acres, o Photocopied section of invo Plan Approved by: Comments:	e pit will be land applied, pro- if the land application area. olved 7.5' topographic sheet.	vide water volume, include dimensions (L.	RECEIVED Office of Oil & Gas JUL 05 2022 WV Department of Environmental Protection

WW-9- GPP Rev. 5/16

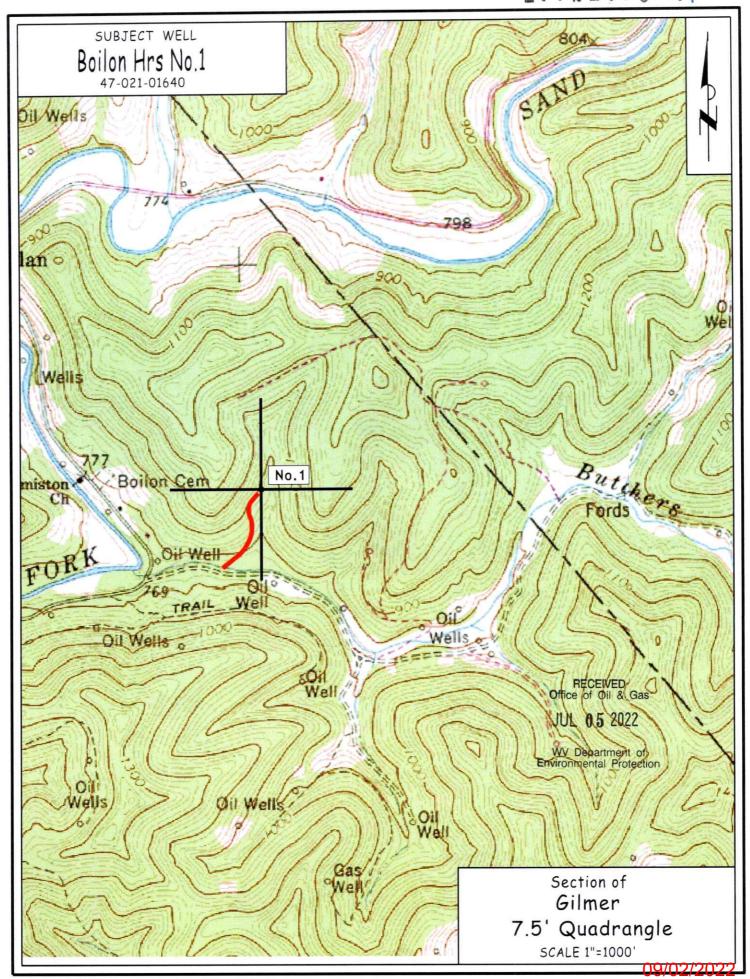
Page API Number 47 - 021	01640
	- 01010
Operator's Well No. 4	

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

Operator Name: Term Energy Corp. Quad: Gilmer 7.5' Watershed (HUC 10): Sand Fork 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. N/A 2. Describe procedures and equipment used to protect groundwater quality from the list of potential contaminant sources above. N/A 3. List the closest water body, distance to closest water body, and distance from closest Well Head Protection Area to the discharge area. RECEIVED
Office of Oil & Gas Sand Fork JUL 05 2022 WV Department of Environmental Protection 4. Summarize all activities at your facility that are already regulated for groundwater protection. N/A

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

/-9- GPP	Page 2 of 9
. 5/16	Art Number 47
	Operator's Well No. 4
Α	
Provide a statement that no waste material will be	used for deicing or fill material on the property.
o material will be used	
Describe the groundwater protection instruction provide direction on how to prevent groundwater	and training to be provided to the employees. Job procedures shall contamination.
'A	
	DEOCH ED
	RECEIVED Office of Oil & Gas
	JUL 05 2022
	WV Department of Environmental Protection
	Environmental Frotostori
	C. II CDD Language and a spin month
Provide provisions and frequency for inspections	of all GPP elements and equipment.
/A	
gnature: 2	-
1 15 00	



WW-7 8-30-06



West Virginia Department of Environmental Protection Office of Oil and Gas

WELL LOCATION FORM: GPS API: 47-021-01640 WELL NO.: #4 FARM NAME: Boilon Heirs RESPONSIBLE PARTY NAME: Term Energy Corp. COUNTY: Gilmer DISTRICT: Glenville QUADRANGLE: Gilmer 7.5' SURFACE OWNER: James H Boilen Hrs ROYALTY OWNER: __ UTM GPS NORTHING: 4311460 UTM GPS EASTING: 528947 GPS ELEVATION: 896 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: RECEIVED height above mean sea level (MSL) - meters. Office of Oil & Gas Accuracy to Datum - 3.05 meters 2. Data Collection Method: JUL 05 2022 Survey grade GPS ____: Post Processed Differential _____ WV Department of Real-Time Differential Environmental Protection 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.

Signature Pesignated Agent 1-15-2322

Title Date

11/10/2016

PLUGGING PERMIT CHECKLIST

	RECEIVED Office of Oil & Gas
Plugging Permit	JUL 05 2022
	WV Department of Environmental Protection
WW-4B	
WW-4B signed by inspector	
WW-4A	
MAIL	PLICATION WAS SENT BY REGISTERED OR CERITFIED
COAL OWNER/COAL OPERATOR/COAL LESSEE N	WAIVERS OF PROOF THAT APPLICATION WAS SENT
WW-9 PAGE 1 (NOTARIZED)	
WW-9 PAGE 2 with attached drawing of road, I	location, pit and proposed area for land application
WW-9 GPP PAGE 1 and 2 if well effluent will be	e land applied
RECENT MYLAR PLAT OR WW-7	
WELL RECORDS/COMPLETION REPORT	
TOPOGRAPHIC MAP OF WELL, SHOWING PIT IF	PIT IS USED
MUST HAVE VALID BOND IN OPERATOR'S NAM	1E
CHECK FOR \$100 IF PIT IS USED No	P. +



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

Plugging permits issued 4702101722 4702101640

1 message

Kennedy, James P < james.p.kennedy@wv.gov> Thu, Aug 25, 2022 at 11:11 AM To: leroy.baker@termenergycorp.com, Stephen E McCoy <stephen.e.mccoy@wv.gov>, Melissa Jedamski <mjedamski@wvassessor.com>

To whom it may concern, plugging permits have been issued for 4702101722 4702101640.

James Kennedy

WVDEP OOG

3 attachments



4702101640.pdf 2725K



4702101722.pdf 2595K



IR-8 Blank.pdf 237K