

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, May 4, 2023 WELL WORK PLUGGING PERMIT Vertical Plugging

PILLAR ENERGY, LLC 1244 MARTINS BRANCH RD

CHARLESTON, WV 25312

Re:

Permit approval for STURM B-1

47-093-00096-00-00

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: STURM B-1

Farm Name: STURM, JERRY

U.S. WELL NUMBER: 47-093-00096-00-00

Vertical Plugging

Date Issued: 5/4/2023

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

- 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.
- 2. Well work activities shall not constitute a hazard to the safety of persons.
- 3. 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.

WW-4BRev. 2/01

1) Date March 15	2023
2) Operator's	
Well No. Sturm B-1	
3) API Well No. 47-003	_00098.

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

022102 02	old into old
APPLICATION FOR A PER	MIT TO PLUG AND ABANDON
4) Well Type: Oil/ Gas X/ Liqui	
(If "Gas, Production X or Un	derground storage) Deep/ Shallow
5) Location: Elevation 2425'	Watershed Jobs Run
District Black Fork	County Tucker Quadrangle Parsons 7.5'
Dillor Energy 11 C	3
6) Well Operator Pillar Energy, LLC	7) Designated Agent
Address 1244 Martins Branch Road Charleston, WV 25312	Address
Chaneston, VV 20012	
8) Oil and Gas Inspector to be notified	9) Plugging Contractor
Name Gayne Knitowski	Name
Address	Address
See attached procedure. * PLUCS SHALL BE CLASS A C PLUC FROM 4550' - 4350'. * GEL SPACERS BETWEEN ALL PLUC	EMENT, WITH EXCEPTION OF LATER

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

Gayne

Digitally signed by Gayne Knitowski Date: 2023.03.30 14:51:44 -04'00'

Sturm #1 API# 47-093-00096 Elevation: 2425' GL

Latitude/Longitude: 39.067260, -79.724034

Sturm #1 Well Data (Drilled September 2003)

Casing:

20" Conductor csg @ 30' MD.

13-3/8" 48 ppf Surface csg @ 217' MD. Cemented to surface.

9-5/8" 40/36 ppf Intermediate csg @ 1302' MD. Cemented to surface.

7" 23 ppf Production csg @ 6269' MD. Cemented to surface. = 3550 100

PBTD:

5140' MD (Original TD 7143' MD, but has CIBP set @ 5140' MD).

Perforations:

4470' - 4499' (100 holes)

Coal:

N/A

Fresh Water Shows:

920' 4680'

Salt Water Shows: Gas/Oil Shows:

4475'

& USE CLASS A CEMENT TO PLUC.

H2S LIKELY PRESENT

Sturm #1 Procedure:

- 1. Notify State Inspector, Gayne Knitowski (304)-546-8171 Gayne J.Knitowski @wv.gov 24 hours prior to commencing operations.
- 2. Prep location.
- 3. MIRU service rig, steel pits, and other ancillary equipment.
- 4. Blow well down and check for H2S, load hole w/ FW to kill well if necessary.
- 5. TOOH w/ 2-3/8" production tubing.
- 6. PU 2-3/8" work string & TIH to CIBP @ 5140' MD.
- 7. Pump 20 BBIs 6% gel, followed by 100' cement plug F/ 5140' T/ 5040' MD.
- 8. TOOH to 4700', pump 20 BBIs 6% gel, followed by 100' cement plug F/ 4700' T/ 4600' MD.
- TOOH to 4550' and set 200' LATEX cement plug F/ 4550' T/ 4350' MD.
- 10. TOOH to 3000', WOC 8 hrs, TIH & tag plug, add cement if needed.
- 11. 7" Casing will be ripped and removed from well bore where free. The following cement plugs set will be set, with the order depending on where casing is free and able to be a. 100' plug across from casing rip, 50' below and 50' above rip. $\approx 3200 - 3400'$ Toc7''removed, with 6% gel spotted between each plug.

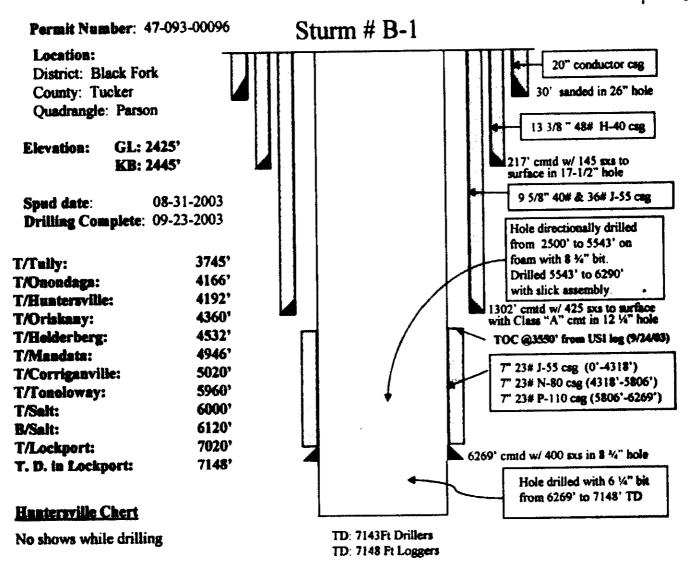
 - b. 100' plug F/ 2475' T/ 2375'. (Csg Ripped or Perf'd @ ~2425' if 7" csg is present)
 - c. 100' plug F/ 970' T/ 870'. (Csg Ripped or Perf'd @ ~920' if 7" csg is present)
 - d. 200' plug F/200' T/ surface'.
- 1350' To 1250' 12. Erect a monument to WV DEP specifications (CSR 35-4-5.5 sub "b").
 - 13. Reclaim location and roads to WV DEP Specifications.

Prior to the start of the plugging procedure a metal plate of equivalent is to be place to protect bridge culvert from vehicle traffic. GJK 3-30-2023 Gayne

Knitowski

05/05/2023

9.Wm D bo' OF CLASS A 98/8" SHOR



Oriskasy

Natural gas flow encountered at 4475' (3375 units)

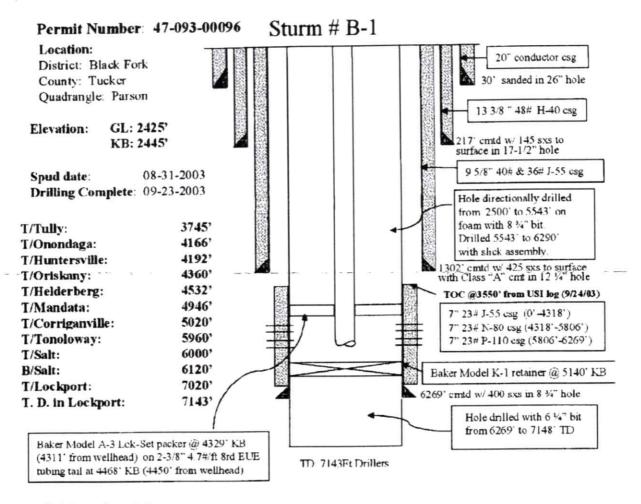
Helderberg

Salt water flow encountered at 4680'

RECEIVED
Office of Oil and Gas

First 5 2023

WV Department of Environmental Protection



Oriskany Completion

Natural gas flow encountered at 4475' KB while drilling (3375 units). On 11/8/04 Perforated 4489-4499' 6 SPF (60 holes) and 4470-4480' 4 SPF (40 holes) w/ Baker Atlas 3-1/8" HSC, 60° phased. Wireline set 7" (3BB) Model K-1 cement retainer @ 5140' KB and ran Lok-Set packer on tubing. Acid/Frac Job - On 11/10/04 spotted 840 gal 15% Fe acid & pumped 20 bbls treated water to break perfs (breakdown = 1173 psi, ISIP = 1758 psi, 5-minute ISIP = 1592 psi) followed by 74 bbls Fe acid w/ 121 perf balls. Displaced acid with 20 bbls treated water. Surged off balls. Halliburton frac'd down tubing with 150 bbls gelled pre-pad, 250 bbls cross-linked pad, 162 bbls with Brady 20/40 sand ramped from 0.5 to 2 ppg, 96 bbls @ 2 ppg, 113 bbls @ 3 ppg sand concentration (total 256 sacks in formation). Treated at 10-11 BPM and pressure ramped to 4900 psi. Flushed with 16.5 bbls treated freshwater. ISIP = 2380 psi, 5-minute ISIP = 1987, 10-minute ISIP = 1906 psi.

Initial Rock Pressure: 1590 psig on tubing on 12/10/2004

WR-35 Rev (5-01) DATE: August 31, 2005

API#: 47-093-00096

100 (5 01)	State of West	Virginia			/
Departr	ment of Environ	mental Protec	ction		6
	Office of Oil				130
				le	(O).0
Well	Operator's Repo	ort of Well Wo	ork	\&\.	000
Farm name: Jerry Sturm	Opera	ator Well No.:	Sturm B-1		
			7.51	_	3
LOCATION: Elevation: 2425'	Quad	rangle: Par	sons 7.5		
District: Black Fork	Cou	nty: <u>Tucker</u>			1
Latitude: 5780 Feet South of 39	Deg5	Min	<u>0</u> _Sec.		
Longitude 4390 Feet West of -79	Deg4	2_Min	30 Sec.		
Company: MegaEnergy Operating, Inc.		l **- * *-	T of to make	Cement fill	
	Casing &	Used in	Left in well	up Cu. Ft.	
	Tubing	drilling	30'	Sanded in	-
Address: 9085 E. Mineral Cir, Ste 270	20" csg	30'	217'	145 sxs	45
Englewood, CO 80112	13-3/8" H40	1302'	1302'	425 sxs	CTS
Agent: Paul Smith	9-5/8" J-55		6269'	400 sxs	
Inspector: Craig Duckworth	7" J55/N80/	6269'	6209	400 888	
Date Permit Issued: 10-28-2004	P110		4460' (VD)	-	-
Date Well Work Commenced: 11-4-2004	2-3/8" tbg		4468' (KB)	+	_
Date Well Work Completed: 11-19-2004					_
Verbal Plugging: N/A					_
Date Permission granted on: N/A				+	_
Rig: Key Service Rig #770					_
Total Depth (feet): 7148					_
Fresh Water Depth (ft.): 920					_
				-	_
Salt Water Depth (ft.): 4680				-	_
					_
Is coal being mined in area (N/Y)? N					_
Coal Depths (ft.):	l	I	I	I.	
OPEN FLOW DATA					
Producing formation Oriskany	Pay 2	zone depth (f	a) 4470'-4500'		
Gas: Initial open flow 120 MCF/d Oil:				-	
Final open flow 200 MCF/d F	linel open flor		Bbl/d		
Time of open flow between initial and			Hours		
Static rock Pressure 1590 psig (surface	illiai tests_3	Her 17 days			
Static rock Pressure_1590_psig (surface	ce pressure) a	iter _1/ days	_ nours		
Second producing formation	Pay zo	ne depth (ft)			
Gas: Initial open flowMCF/d Oil:	Initial open f	low	Bbl/d		
Final open flow MCF/d I	inal open flov	N .	Bbl/d		
Time of open flow between initial and			ours		
Static rock Pressure psig (surfa			lours		
Julie Took Trossareporg (surfa-	p u.				
NOTE: ON BACK OF THIS FORM PUT THE	FOLLOWING:	1). DETAIL	S OF PERFORA	TED	
INTERVALS, FRACTURING OR STIMULATE	NG, PHYSICA	L CHANGE,	ETC. 2). THE V	VELL	
LOG WHICH IS A SYSTEMATIC DETAILED	GEOLOGICA	L RECORD	OF ALL FORMA	ATIONS,	
INCLUDING COAL ENCOUNTERED BY THE					
1./1 44/	V				
Signed:					
By: J. Scott Hornafius	/				
Date: August 31, 2005	/				

· WR-35

DATE: November 4, 2003 API #: 47-093-00096

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

Well Operator's Report of Well Work

ACC2500 × • E		*** ***	c. D.1 D	
Farm name: Jerry Sturm	Operato.	r Well No.:_	Sturm B-1 Revi	sed
LOCATION: Elevation: 2425'	Quadran	igle: Parso	ons	
District: Union	County:	Tucker		
Latitude: 5780 Feet South of 39		Min. 00	Sec.	
Longitude 4390 Feet West of 79		Min. 30	Sec.	
Company: MegaEnergy Operating, Inc.				1.6
	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: 8501 East Dry Creek Place	20"	30'	30'	Sanded in
Englewood, CO 80112	13-3/8" H-40	217'	217'	145 sks
Agent: Land & Resource Management	9-5/8" J-55	1302'	1302'	425 sks
Inspector: Craig Duckworth	7" J-55/N-80	6269'	6269'	400 sks
Date Permit Issued: 8/28/2003				
Date Well Work Commenced: 8/31/2003				
Date Well Work Completed: 9/23/2003				
Verbal Plugging: N/A				
Date Permission granted on: N/A				
Rotary Rig: Union Drilling Rig # 45				
Total Depth (feet): 7148'				
Fresh Water Depth (ft.): 920'				
Salt Water Depth (ft.): 4680'				
				-
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.); N/A	1	1	t	1
OPEN FLOW DATA				
Producing formation Oriskany Sand	Pay zone depth	(ft) 4470'	-4500°	
Gas: Initial open flow 200 MCF/d Oi	1: Initial open flo	w	Bbl/d	
Final open flow not tested MCF/d	Final open flow	,	Bbl/d	
Time of open flow between initial and	final tests N/A	Hour	s	
Static rock Pressure no test psig (sur	rface pressure) a	fter N/A	Hours	
State food from the fact of th				
Producing formation Pa	v zone depth (ft)			
Gas: Initial open flow MCF/d O	il: Initial open fl	ow	Bbl/d	
Final open flow MCF/d	Final open flow		Bbl/d	
Time of open flow between initial and		Hou	rs	
Static rock Pressure psig (surface	e pressure) after			
Static rock riessarepung (care				
NOTE: ON BACK OF THIS FORM PUT THE	FOLLOWING: 1).	DETAILS	OF PERFORAT	TED
INTERVALS FRACTURING OR STIMULATI	NG. PHYSICAL (CHANGE, I	ETC. 2). THE W	ELL
LOG WHICH IS A SYSTEMATIC DETAILED	GEOLOGICAL I	RECORD O	F ALL FORMA	TIONS,
INCLUDING COAL ENCOUNTERED BY THE	WELLBORE.			
// 1.4 41	_			
Signed:				
By: /J. Scott Hornafius				
Date: November 4, 2003				

Owner/Completion Location
Owner/Completion
Pay/Show/Water Select datatypes: Select County: (093) Tucker Reset 96000 Enter Permit #: Get Data LOGY UNDERLIES IT ALL "Pipeline"

Plugging Btm Hole Sample 000 Stratigraphy
Logs Production (Check All)

Thursday, April 27, 2023 1:40:45 PM

Report Time:

WV Geological & Economic Survey

Well: County = 93 Permit = 00096 Link to all digital records for well

Location Information: View Map

API COUNTY PERMIT TAX DISTRICT QUAD 75 QUAD 15 LAT DD LON DD UTME UTMN
4709300096 Tucker 96 Black Fork Parsons Parsons 39.067632 -79.72359 610425.8 4325057.1

There is no Bottom Hole Location data for this well

Owner Information

OPERATOR AT_COMPLETION PROP_VD PROP_TRGT_FM TFM_EST_PR MgaEnergy Operating, Inc.
MagaEnergy Operating, Inc. API CMP_DT SUFFIX STATUS SURFACE_OWNER WELL_NUM CO_NUM LEASE LEASE_NUM MINERAL_OWN 4709300096 9f.23/2003 Dvid Orgni Loc Completed Jerry Slurm 8-1 revised 11/19/2004 Dvid Wrkd Ovr Completed Jerry Slurm 8-1 B-1 revised Jerry Slurm Jerry Slurm

KOD GBEF G_AFT O_BEF O_AFT NGL_BEF NGL_AFT P_BEF TI_BEF P_AFT TI_AFT BH_I 200 1500 1590 408 TMD NEW_FTG K 7148 7148 Rotary Fractured 7
Rotary Acid+Frac 7 INITIAL_CLASS FINAL_CLASS TYPE
New-field Wildcat New-field Discovery Gas
Development Well Development Well Gas McKenzie Fm N McKenzie Fm N McKenzie Fm

G_BEF G_AFT O_BEF O_AFT WATER_QNTY
 SECTION DEPTH_TOP FM_TOP
 DEPTH_BOT FM_BOT PM_BOT PM_B PRODUCT S
Fresh Water V
Gas
Gas
D
Gas
D
Salt Water ACTIVITY R Water P Pay C Pay C Pay C Pay/Show/Water Information:

API CMP DT ACTIVITY
4709300096 912372003 Water
4709300096 111912004 Pay
4709300096 11192004 Pay
4709300096 912332003 Water

Production Gas Information: (Volumes in Mcf)

AUG SEP OCT N 2,196 4,322 7,230 5 3,433 4,696 4,322 7,230 5 3,605 0 0.95 2,3 3,605 0 0.95 2,3 4,721 4,651 3,949 4 3,426 3,048 2,355 2 1,483 1,284 35 1,187 1,336 928 1,187 1,396 928 MAR APR N 0 0 0,070 6,781 6,125 4,467 4,877 4 4,252 5,432 5,076 3,781 4 3,697 1,854 2 2,129 1,857 1 1,506 0 1,506 133 N GAS JAN FEB N 25,244 49 0 5,244 49 0 5,524 4428 428 428 428 428 5,583 5,889 5,489 4,435 5,589 5,489 4,435 5 5,589 5,489 4,435 5 5,589 5,489 4,435 5 5,589 5,489 7,199 7,388 7,99 1,697 388 7,99 PRODUCING_OPERATOR

MegaEnergy Operating, inc.

6 MegaEnergy Operating, inc.

6 MegaEnergy Operating, inc.

6 Saga Petroleum, LLC of Colorado

6 Saga Petroleum, LLC of Colorado

6 Gastar Exploration USA, inc.

6 Gastar Exploration USA, inc. 4709300096 N 4709300096 N 4709300096 S 470930096 S 470930096 G 470930096 G 470930096 G 4709300096 F 4709300096 F 4709300096 F 4709300096 F

wells only. Other wells are incomplete at this time. some operators may

wells only. Other wells are incomplete at this time

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		0	0	0	0
MTR	0	0	0	0	0
ANN WTR JAN					
YEAR	2016	2018	2019	2020	2021
PRD					
ODUCING OPERATOR	Pillar Energy, LLC	Pillar Energy, LLC	Pillar Energy, LLC	Pillar Energy, LLC	

ide ideas	1								
API	API SUFFIX	FM	FM QUALITY		DEPTH QUALITY	THICKNESS	DEPTH TOP DEPTH QUALITY THICKNESS THICKNESS_QUALITY ELEV DATUM	ELEV	DATUM
4709300096	Dvtd Orgni Loc E	Driller's Tully	Drillers E-log pick		Deviated Drig		Deviated Drlg	2425	Ground Level
4709300096	Dvtd Orani Loc	Onondaga Ls	Drillers E-log pick	4166	Deviated Drig		Deviated Drlg	2425 G	Ground Level
4709300096	Dvtd Oranl Loc	Oriskany	Drillers E-log pick	4360	Deviated Drlg		Deviated Drlg	2425	Ground Level
4709300096	Dvtd Orani Loc	Helderberg	Drillers E-log pick	7	Deviated Drlg		Deviated Drlg	2425	Ground Level
4709300096	Ovtd Orani Loc	Mandata Sh	Drillers E-log pick	4946	Deviated Drla		Deviated Drlg	2425	Ground Level
4709300096	Ovtd Orani Loc	Corriganville	Drillers E-log pick	•	Deviated Drlg		Deviated Drlg	2425	Ground Level
4709300096	Ovtd Orani Loc	Tonoloway Fm	Drillers E-log pick	5960			Deviated Drlg	2425	Ground Level
4709300096	Dvtd Orani Loc	Salina	Salina Drillers E-log pick	0009	Deviated Drig	120		2425	Ground Level
4709300096	Ovtd Orani Loc	Dytd Oranl Loc McKenzie Fm	Drillers E-log pick	-	Deviated Drlg		Ostnble Pick	2425	Ground Level

Wireline (E-Log) Information: * There is no Scanned/Paper Log data for this well

* There is no Scanned or Digital Logs available for download There is no Plugging data for this well * There is no Digitized Log data for this well

There is no Sample data for this well

WW-4A Revised 6-07

1) Date: 03/15/2	023			
2) Operator's Well N Sturm B-1	umber			
3) API Well No.: 47 -	093	_	00096	

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

			ICATION TO PLUG AN	
4)	Surface Own	er(s) to be served:	5) (a) Coal Operator	NI/A
	(a) Name	Elizabeth Lancaster	Name	N/A
	Address	1021 Jobs Run Road	Address	
		Kerens, WV 26276	Vandu Bun Wall and	
	(b) Name		(b) Coal Own	ner(s) with Declaration
	Address		Name	
		H-M-M-M-M-M-M-M-M-M-M-M-M-M-M-M-M-M-M-M	Address	
	(c) Name		Name	
	Address		Address	V
	Address			
6)	Inspector	Gayne Knitowski	(c) Coal Less	see with Declaration
	Address	·	Name	
			Address	
	Telephone	304-546-8171		
		DOCUMENTAL AND ADD	OVIE	
T(THE PE	RSONS NAMED ABO	JVE: You should have recei	ved this Form and the following documents:
	(1) The a	pplication to Plug and Abandon	a Well on Form WW-4B, which	sets out the parties involved in the work and describes the
	well i	ts and the plugging work order; a	and	
	(2) The p	lat (surveyor's map) showing the	e well location on Form ww-6.	
	The reason However, yo	you received these documents is that ou are not required to take any action a	you have rights regarding the applicat all.	ation which are summarized in the instructions on the reverses side.

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.

tor Pillar Energy, LLC Jeff Isner	RECEIVED Office of Oil and Gas
CEO 1244 Martins Branch Road	APR 5 2023
Charleston, WV 25312 304-681-8599	WV Department of Environmental Protection
day of Much 2023 Notary Public	
	Jeff Isner CEO 1244 Martins Branch Road Charleston, WV 25312 304-681-8599 day of

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.

COMPLETE THIS SECTION ON DELIVERY SENDER: COMPLETE THIS SECTION A. Signature Complete items 1, 2, and 3. -Agent Kin Kyl Addressee Print your name and address on the reverse C. Date of Delivery so that we can return the card to you. B. Received by (Printed Name) Attach this card to the back of the mailpiece, or on the front if space permits. D. Is delivery address different from item 17 1. Article Addressed to: If YES, enter delivery address below: Elizabeth Lancaster 1021 Jobs Run Rd Kerens WV 26274 ☐ Priority Mail Express®☐ Registered Mail™ 3. Service Type □ Registered Mail™ □ Registered Mail Restricted Delivery □ Signature Confirmation™ □ Signature Confirmation □ Restricted Delivery ☐ Adult Signature ☐ Adult Signature Restricted Delivery Certified Mail® Certified Mail Restricted Delivery Collect on Delivery Collect on Delivery Restricted Delivery 9590 9402 7179 1284 0767 18 2. Article Number (Transfer from service label) Vail Vail Restricted Delivery 7020 1810 0001 0462 5085

PS Form 3811, July 2020 PSN 7530-02-000-9053



Domestic Return Receipt

RECEIVED
Office of Oil and Gas

APR 5 2023

WV Department of Environmental Protection

SURFACE OWNER WAIVER

Operator's Well Number

	29/225 0000	
11	D 4	
Sturm	H-1	
Julii		

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	FOR EXECUTION BY A CORPORATION,
ETC.	RECEIVED
	Office of Oil and Gas

	Date	Name	Office of Oil and Gas
Signature		Ву	APR 5 2023
		Its	Date

WW-4B

API No.	47-093-00096	
Farm Name		
Well No.	Sturm B-1	

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.

v	VAIVER
has examined this proposed plugging work order. T	er/ lessee/ of the coal under this well location the undersigned has no objection to the work proposed to be has complied with all applicable requirements of the West
Date:	
	By:
	Its

RECEIVED
Office of Oil and Gas

APR 5 2023

WV Department of Environmental Protection WW-9 (5/16)

API Number	47 - 093	_00096	
Operator's We	ell No.		

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

FLOIDS/ COTTINGS DIST	
Operator Name_Pillar Energy, LLC	OP Code
Watershed (HUC 10) Jobs Run	Quadrangle Parsons 7.5'
Do you anticipate using more than 5,000 bbls of water to compl	lete the proposed well work? Yes No
Will a pit be used? Yes No	
If so, please describe anticipated pit waste:	No If so, what ml.?
Will a synthetic liner be used in the pit? Yes	No If so, what ml.?
Proposed Disposal Method For Treated Pit Wastes:	
Land Application (if selected provid	
	t Number)
Off Sita Disposal (Supply form WV	W-9 for disposal location)
Other (Explain No pit to be built. Any	well effluent will be contained in tanks and properly disposed offsite
Will closed loop systembe used? If so, describe:	
Drilling medium anticipated for this well (vertical and horizont	tal)? Air, freshwater, oil based, etc.
-If oil based, what type? Synthetic, petroleum, etc	Office of Oil and Gas
Additives to be used in drilling medium?	A PN PN
Drill cuttings disposal method? Leave in pit, landfill, removed	2023
	e used? (cement, lime, sawdust) WV Department of Environmental Protection
	Environmental Protection
Permittee shall provide written notice to the Office of Oil and Owest Virginia solid waste facility. The notice shall be provided where it was properly disposed.	Gas of any load of drill cuttings or associated waste rejected at any d within 24 hours of rejection and the permittee shall also disclose
on April 1, 2016, by the Office of Oil and Gas of the West Vin provisions of the permit are enforceable by law. Violations of or regulation can lead to enforcement action. I certify under penalty of law that I have personally application form and all attachments thereto and that, based on	conditions of the GENERAL WATER POLLUTION PERMIT issued riginia Department of Environmental Protection. I understand that the any term or condition of the general permit and/or other applicable law by examined and am familiar with the information submitted on this amy inquiry of those individuals immediately responsible for obtaining ate, and complete. I am aware that there are significant penalties for or imprisonment.
Subscribed and swam before me this 15th day of	Mand SEGIAL SEAL
Subscribed and sworn before me this day of	NOTARY PUBLIC STATE OF WEST VIRGINIA Anita E. Kirk
My commission expires June 9, 202	OFFICIAL SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA Anita E. Kirk 783 Stringers Branch Road Peytona, WV 25154 My Commsol Expires June 9, 2024

Operator's Well No._____

Form WW-9

Lime according to PH test Tons/acre or to correct to pH 7.0 Fertilizer type 10-20-20 Fertilizer amount 500	Permanent Seed Type lbs/acre
Fertilizer amount 500	Seed Type lbs/acre
Fertilizer amount 500	Seed Type lbs/acre
Mulch Hay or Straw 2 Seed Mixtures Temporary Seed Type lbs/acre Contractors Mix ttach: aps(s) of road, location, pit and proposed area for land application (unless engovided). If water from the pit will be land applied, provide water volume, incl., W), and area in acres, of the land application area. Introcopied section of involved 7.5' topographic sheet. Gayne Gayne Gayne Knitowski Gayne Knitowski Gayne Knitowski	Seed Type lbs/acre
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omments:	
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Citle: Inspector Date: 3	

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	Page	of 2
API Number 47		_ 00096
Operator's Well	No.	

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

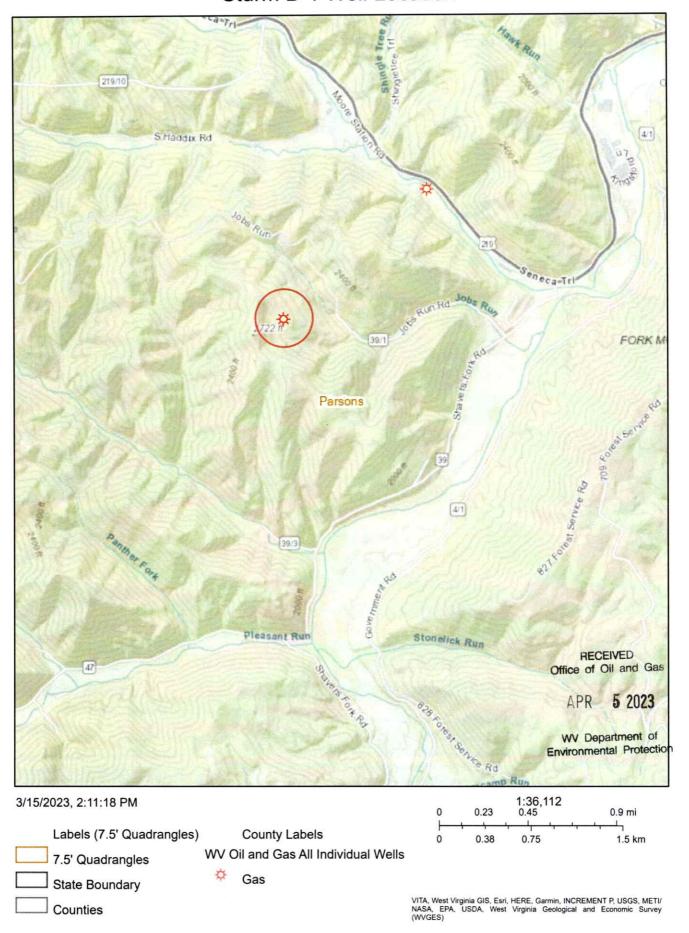
GROUNDWATE	R PROTECTION PLAN
perator Name: Pillar Energy, LLC	
Vatershed (HUC 10): Jobs Run	Quad: Parsons 7.5'
arm Name:	
groundwater.	e of fluids. Include a list of all operations that could contaminate the
Plugging of a well. All residual fluids will be disposal	captured in portable flowback tanks for proper
2. Describe procedures and equipment used to protect grou	undwater quality from the list of potential contaminant sources above.
Plugging of a well. All residual fluids will be disposal	captured in portable flowback tanks for proper
 List the closest water body, distance to closest water discharge area. 	body, and distance from closest Well Head Protection Area to the
Closest Water - Shavers Fork - ~5600'	
4. Summarize all activities at your facility that are already	regulated for groundwater protection.
	RECEIVED Office of Oil and Gas
	APR 5 2023
	WV Department of Environmental Protection
	LIMIOUNG

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

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6. Provide a statement that no waste material will be used f	or deicing or fill material on the property.
 Describe the groundwater protection instruction and traprovide direction on how to prevent groundwater contart 	aining to be provided to the employees. Job procedures shall mination.
8. Provide provisions and frequency for inspections of all	GPP elements and equipment.
Signature:	RECEIVED Office of Oil and Ga
Date	APR 5 2023

WV Department of Environmental Protection

Sturm B-1 Well Location





West Virginia Department of Environmental Protection Office of Oil and Gas

WELL LO	CATION FORM: GPS	8
	WELL NO.:	Sturm B-1
FARM NAME: Sturm		
RESPONSIBLE PARTY NAME:	Pillar Energy, LL0	
COUNTY: Tucker	DISTRICT: BI	ack Fork
QUADRANGLE: Parsons	7.5'	
SURFACE OWNER: Elizabe	eth Lancaster	
ROYALTY OWNER: Elizab	eth Lancaster	
UTM GPS NORTHING: 39.06	37627 432 5026	
UTM GPS EASTING: -79.72	3562 GPS ELEVAT	_{гіол:} 2425'
The Responsible Party named above preparing a new well location plat for above well. The Office of Oil and Gothe following requirements: 1. Datum: NAD 1983, Zone height above mean sea leterate 2. Accuracy to Datum – 3.0 3. Data Collection Method: Survey grade GPS: Post Preparent for the preparent of the p	or a plugging permit or assigned as will not accept GPS coordinate: 17 North, Coordinate Units: movel (MSL) – meters.	API number on the tes that do not meet
Real-T	ime Differential	APR 5 2023
Mapping Grade GPS: Post	t Processed Differential	/ F. 1\ 3 2023
Rea	al-Time Differential	WV Department of Environmental Protection
4. Letter size copy of the t 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 regulati	v ell location. y knowledge and
Signature	Title	Date



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

plugging permit issued 4709300096

1 message

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

Thu, May 4, 2023 at 10:02 AM

To: Trevor Schaffer < Trevor. Schaffer@pillarenergy.com >, Gayne J Knitowski < gayne.j.knitowski@wv.gov >

To whom it may concern, a plugging permit has been issued for 4709300096.

2 attachments



IR-8 4709300096.pdf 120K



4709300096.pdf 3818K