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

Tuesday, October 27, 2026
WELL WORK PLUGGING PERMIT
Vertical Plugging

PILLAR ENERGY, LLC
1244 MARTINS BRANCH RD

CHARLESTON, WV 25312

Re: Permit approval for Z-8
47-011-00658-00-00

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.

H. Jason Harmon
Chief

Operator's Well Number: Z-8
Farm Name: MEADOWS, WESLEY
U.S. WELL NUMBER: 47-011-00658-00-00
Vertical Plugging
Date Issued: 10/27/2026

Promoting a healthy environment.

10/30/2026

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. 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.

10/30/2026

WW-4B
Rev. 2/01

1) Date September 29, 2026
2) Operator's
Well No. Z-8
3) API Well No. 47-011 - 00058

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil ____/ Gas X/ Liquid injection ____/ Waste disposal ____/
(If "Gas, Production X or Underground storage ____) Deep ____/ Shallow X

5) Location: Elevation 576 Watershed Lower Guyandotte
District Grant County Cabell Quadrangle Hurlcane

6) Well Operator Pillar Energy LLC
Address 1244 Martins Branch Rd
Charleston WV 25312

7) Designated Agent Jeff Isner
Address (same)

8) Oil and Gas Inspector to be notified
Name Brian Warden
Address 49 Elk Creek Rd
Delbarton WV 25670

9) Plugging Contractor
Name TBD
Address

10) Work Order: The work order for the manner of plugging this well is as follows:

See attached procedure.

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

Work order approved by inspector Brian E Warden Date 9/29/26

10/30/2026

Z-8
API# 47-011-00658
Elevation: 576’ GL
Latitude/Longitude: 38.411687, -82.1287368

PERMITTED UNDER NEW REGULATIONS

Z-8 Well Data

Casing:	10” Conductor @ 40’
	8-1/4” Surface Csg @ 515’ Csg POOH after next string.
	6-5/8” Intermediate Csg @ 1631’ GL. Csg POOH after next string.
	5-3/16” Intermediate Csg @ 1718’ GL..
	2” tbg @ unknown depth
TD:	2144’
Perforations:	Berea Pay Zone: 2122’ – 2144’
Coal:	No record found
Fresh Water Shows:	FW potential @ 45' based on offset 011-00618
Salt Water Shows:	SW potential @ 1278' based on offset 011-00618
Gas/Oil Shows:	Berea 2122’-2144’, Injun 1604 ‘ 1700’ (1654’) and Big Lime 1365’-1543’

Z-8 Procedure:

1. Notify State Inspector, Brian Warden – (304)-205-3229– brian.warden@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 TOOH w/ tubing if present.
5. RIH w/ work string to ~2102’
6. Pump 10 BBl 6% gel.
7. Set 100’ Class A cement plug F/ 2102’ T/ 1902’.
8. TOOH to 1500’, WOC 8 hrs, RIH & tag plug, add cement if needed.
9. Set the following Class A cement plugs, w/ 6% gel spotted between each plug.
    a. 250’ plug F/ 1728’ T/ 1478’. Csg ripped or perforated at 1675’ if csg is present.
    b. 200’ plug F/ 1345’ T/ 1145’. Csg ripped or perforated at 1345’ if csg is present.
    c. 200’ plug F/ 905’ – T/ 705’. Csg ripped or perforated at ~905’ if present.
    d. 300’ plug F/ 800’ – T/ 475’. Csg ripped or perforated at ~575’ if present.
    e. 300’ plug F/ 300’ – T/ surface. Csg ripped or perforated at ~250’ if present. Apply a minimum of 200 psi pressure on surface plugs.
10. Erect a monument to WV DEP specifications (CSR 35-4-5.5 – sub “b”).
11. Reclaim location and roads to WV DEP Specifications.
12. Post-plugging methane analysis with 48 hours notice for the inspector.

APPROVED
JCB Oct 27,2026

10/30/2026

PILLAR ENERGY

WELLBORE SCHEMATIC

Well Information:

Well Name:	2-8	Company / Partnership:	Pillar Energy LLC
County / State:	Cabell / WV	API Number:	47-011-00626
District / Quad:	Grant / Hurricane	AFE Number:	
Target:	Berea / Devonian Shale	Cost Center:	
Lat:	38.411687	Pool Code	
Long:	-82.1287368	DTD / LTD:	2144

Surveys	Hole Size	Shows	Depths (KB)	SPUD DATE: June 24, 1929 TD DATE: ??	Casings	Cement
				Elevation: 576'		
					10" Conductor @ 40'	
FW @ ~45' based on offset 011-00618						
					8-1/4" Csg @ 515', POOH after 6-5/8" was set	
SW @ ~1278' based on offset 011-00618						
					6-5/8" Csg @ 1631', POOH after 5-3/16" was set	
		Oil Show @ 1654				
					5-3/16" Intermediate csg set @ 1718' GL	
Berea 2122' -2144'					2" tbg at unknown depth	
				TD @ 2144'		

Completion Information	Target:	Berea		Completion Date:	8/24/1929
Top Perforation (ft):	Frac Type/Fluid:			Breakdown:	psi
Bottom Perforation (ft):	Foam Quality:			Pre-ISIP:	psi
No. of Shots:	BD Acid Volume:		gal.	MTP:	psi
Charge (gram):	Treatment Volume:		gal.	ATP:	psi
Perf Diameter:	Sand mesh size		mesh	ISIP:	psi
Penetration:	Sand Volume		sacks	5-min SIP	psi
Phasing:	Ave. Treatment Rate:		bpm	10-min SIP	psi

Remarks: Berea Shot 2123' - 2139'

10/30/2026

Well No. Z-8,
Farm No. 1,
Lease No. HWC-39.

HARSHBARGER OIL & GAS CO. WELL RECORD
ON THE WESLEY D. MEADOWS FARM, ON THE WATERS OF CHARLEYS CREEK, GRANT DISTRICT, CABELL COUNTY, W. VA.

FORMATION	TOP	BOTTOM
Salt Sand (Gas Sand)	925	1345 ?
Little Lime	1345	1365 ?
Big Lime	1365	1543 ?
Slate and Shells	1543	1604
Big Injun-show oil 1654-	1604	1700
Slate and shells	1700	1725
Slate and shells	1725	2122
Berea Grit	2122	2144

REMARKS

Well commenced June 24, 1929.
" shot Aug. 24, with 50 qts. by Sure Shot Co. from 2123 to 2139.
Tubed and turned in line 9/11/29.
Test when tubed 250,000 cu. ft.

Casing Record

40 ft. of 10" Csg.
515 " " 8¼" " (Pulled)
1718 " " 5-3/16"
1631 " " 6-5/8" (Pulled)

22 ft. anchor below cage, Packer 100 feet above cage, 2" tubing to well mouth.

Drillers

Ed. Sunderland and Zell Martin.

Tool Dressers

C. H. Handley and C. L. Nimmo.

10/30/2026

[illegible] Sec [illegible] - 31

1929-- Harshbarger Oil and Gas Co. [illegible]--
Wesley Meadows # 1

Ed. Sunderland, C.H. [illegible]ley,
Nell Martin, Drillers. C.L. [illegible], Colders.
June [illegible]. [illegible] up.
[illegible] in. casing 40 ft
July [illegible], Run [illegible] 1/4 casing, [illegible] ft.
Salt [illegible], (including [illegible],) [illegible] to [illegible] " ?
Little Lime [illegible] to [illegible] " ?
Big Lime, [illegible] to [illegible] " ?
Slate and [illegible], [illegible] to [illegible] "
[illegible] Big Injun, show of oil, [illegible] [illegible] to 17[illegible] "
Slate and Shells ([illegible]) [illegible] to 17[illegible] "
Slate and Shells, 17[illegible] to [illegible] to
Berea Grit, [illegible] to [illegible] "
Run [illegible] Shot [illegible] qt. (Sure shot [illegible].) [illegible] to [illegible]130 "
Tubed and turned into line [illegible]-11-[illegible].
[illegible] feet anchor below cage, Packer [illegible] feet above cage,
[illegible]" tubing to well mouth.

6 5/8 and 8" casing pulled, rig torn down and moved to Hatfield farm.

Well tubed in at over 260.[illegible] feet.

J.[illegible].
11-[illegible]-29.

11-3-29

10/30/2026

WW-4A
Revised 6-07

Received
Office of Oil and Gas
OCT 05 2026
WV Department of
Environmental Protection

1) Date: 09/29/2026
2) Operator's Well Number
Z-8

3) API Well No.: 47 - 011 - 00658

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

4) Surface Owner(s) to be served:
(a) Name: Bowr LLC
Address: 638 5th Ave
Huntington, WV 25701

(b) Name:
Address:

(c) Name:
Address:

6) Inspector: Brian Warden
Address: 49 Elk Creek Rd
Delbarton WV 25670
Telephone: 304-205-3229

5) (a) Coal Operator
Name: N/A
Address:

(b) Coal Owner(s) with Declaration
Name:
Address:

Name:
Address:

(c) Coal Lessee with Declaration
Name:
Address:

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.

Well Operator: Pillar Energy LLC
By: Jeff Isner
Its: President & CEO
Address: 1244 Martins Branch Rd
Charleston WV 25312
Telephone: 681-205-8599

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
Anita E Kirk
2938 Short Creek Road
Racine, WV 25165
My Commission Expires June 9, 2029

Subscribed and sworn before me this 30th day of Sept 2026

Anita E Kirk
Notary Public

My Commission Expires June 9, 2029

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.

10/30/2026

US POSTAGE
$012.18
First-Class - IMI
ZIP 25312
09/30/2026
0368 0011821877

Bowr LLC
638 5th Ave
Huntington, WV 25701

CERTIFIED MAIL

9589 0710 5270 2352 9335 21
9589 0710 5270 2352 9335 21

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Certified Mail Fee
$ 5.55

Extra Services & Fees (check box, add fee as appropriate)
- ☑ Return Receipt (hardcopy) $ 4.65
- ☐ Return Receipt (electronic) $
- ☐ Certified Mail Restricted Delivery $
- ☐ Adult Signature Required $
- ☐ Adult Signature Restricted Delivery $

Postage
$ 1.98

Total Postage and Fees
$ 12.18

Postmark Here

Bowr LLC
638 5th Ave
Huntington, WV 25701
Z-8

for instructions

SENDER: *COMPLETE THIS SECTION*

- 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 mailpiece, or on the front if space permits.

1. Article Addressed to:

Bowr LLC
638 5th Ave
Huntington, WV 25701
Z-8

9590 9402 8699 3310 6939 40

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X
☐ Agent
☐ Addressee

B. Received by *(Printed Name)*

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☑ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Signature Confirmation™

10/30/2026

rgy LLC
tins Branch Rd
on, WV 25312

WW-9
(5/16)

API Number 47 - 011 - 00658
Operator's Well No. _____

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

Operator Name Pillar Energy LLC OP Code 494495012

Watershed (HUC 10) Lower Guyandotte Quadrangle Hurricane

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes ☐ No ☑

Will a pit be used? Yes ☐ No ☑

If so, please describe anticipated pit waste: _____

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 provide a completed form WW-9-GPP)
_____ Underground Injection (UIC Permit Number _____)
_____ Reuse (at API Number _____)
_____ Off Site Disposal (Supply form WW-9 for disposal location)
■ Other (Explain Spirit Energy Water Treatment Plant (Nitro, WV)

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

-If oil based, what type? Synthetic, petroleum, etc. _____

Additives to be used in drilling medium? N/A

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. N/A

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) _____

-Landfill or offsite name/permit number? _____

Permittee shall provide written notice to the Office of Oil and Gas 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 1, 2016, by the Office of Oil and Gas 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 obtaining 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 (Typed Name) Jeff Isner

Company Official Title President & CEO

Subscribed and sworn before me this 30th day of Sept, 2026

_____ Notary Public

My commission expires June 9, 2029

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
Anita E Kirk
2938 Short Creek Road
Racine, WV 25165
My Commission Expires June 9, 2029

10/30/2026

Form WW-9

Operator's Well No._____

Proposed Revegetation Treatment: Acres Disturbed 1/2 Prevegetation pH _____

Lime according to pH test Tons/acre or to correct to pH 7.0

Fertilizer type 10-20-20

Fertilizer amount 500 lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
		Contractors Mix	50

Attach:
Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: [signature]

Comments: Return to Dep Stand

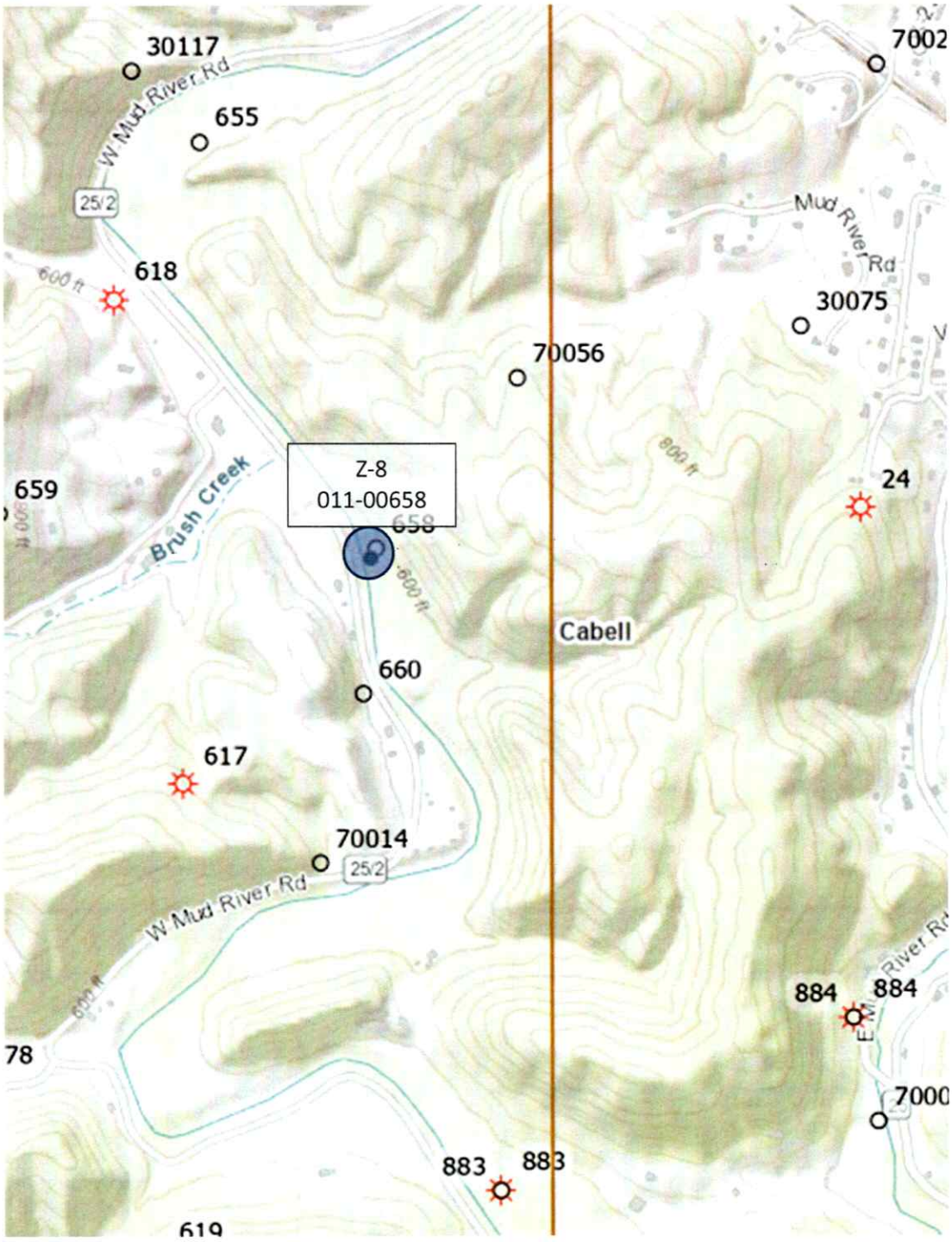
Title: [signature] Date: 9 24 26

Field Reviewed? (✓) Yes ( ) No

10/30/2026

Z-8

LOCATION MAP



10/30/2026

WW-7
8-30-06

West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 47-011-00658 **WELL NO.:** Z-8

FARM NAME: _____

RESPONSIBLE PARTY NAME: Pillar Energy LLC

COUNTY: Cabell **DISTRICT:** Grant

QUADRANGLE: Hurricane

SURFACE OWNER: Bowr LLC

ROYALTY OWNER: _____

UTM GPS NORTHING: 4,252,097.285

UTM GPS EASTING: 401,455.025 **GPS ELEVATION:** 576

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:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS ____: Post Processed Differential _____

Real-Time Differential _____

Mapping Grade GPS ____: Post Processed Differential _____

Real-Time Differential _____

4. **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	CEO Title	9-30-26 Date

10/30/2026