west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Friday, October 9, 2026
WELL WORK PERMIT
Vertical / Plugging

PILLAR ENERGY, LLC
1244 MARTINS BRANCH RD

CHARLESTON, WV 25312

Re: Permit approval for P-85
47-011-00026-00-00

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.

Please be advised that form WR-35, Well Operators Report of Well Work 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:	P-85
Farm Name:	HANDLEY, NIDE
U.S. WELL NUMBER:	47-011-00026-00-00
Vertical	Plugging
Date Issued:	10/9/2026

Promoting a healthy environment.

10/09/2026

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.

10/09/2026

WW-4B
Rev. 2/01

1) Date July 1, 2026
2) Operator's
Well No. P-65
3) API Well No. 47- 011 - 00225

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 621 Watershed Lower Guyandotte River
District Grant County Cabell Quadrangle Hurricane

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.

SEP 14 2026

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

Work order approved by inspector _____ Date _____

10/09/2026

P-85
API# 47-011-00026
Elevation: 621' GL
Latitude/Longitude: 38.410297, -82.077486

PERMITTED UNDER NEW REGULATIONS

P-85 Well Data

Casing:	10" Conductor Csg @ 21' GL
	8-1/4" Surface Csg @ 475' GL, pulled 250' after setting 6-5/8"
	6-5/8" Intermediate Csg @ 1655' GL
	No tubing listed
TD:	3601'
Perforations:	Devonian Shale, Shot F/3063 T/3464
	Berea, Shot F/2075 T/2096
Coal:	N/A
Fresh Water Shows:	45', 90', & 435'
Salt Water Shows:	550',735' & 1135'
Gas/Oil Shows:	2075' - 2096', & 3063' – 3464'

P-85 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 ~3043'
6. Pump 30 BBl 6% gel.
7. Set 100' Class A cement plug F/ 3043' T/ 2943'.
8. TOOH to 2400', WOC 8 hrs, RIH & tag plug, add cement if needed.
9. Set the following Class A plugs, w/ 6% gel spotted between each plug.
    a. 100' plug F/ 2055' T/ 1955'.
    b. 100' plug F/ 1665' T/ 1565'. Csg ripped or perforated at ~1630' if present.
    c. 100' plug F/ 1240' – T/ 1140'. Csg ripped or perforated at ~1240' if present.
    d. 300' plug F/ 975' T / 675'. Csg ripped or perforated at ~955 & 735' if present.
    e. 575' plug F/ 575' T / surface. Csg perforated at 555', 450', 100', & 50' if present. Apply a minimum of 200 psi pressure on surface plugs.
    f. 48 hour post plugging methane analysis.
10. Erect a monument to WV DEP specifications (CSR 35-4-5.5 – sub "b").
11. Reclaim location and roads to WV DEP Specifications.

JCB 10/9/2026

10/09/2026

Well No. F-65.

LARIER GAS Company

1100 Kanawha Valley Bldg. Address

Charleston, W. Va. CAB-26

COMPLETION DATA SHEET
NO. 2
FORMATION RECORD

Name	Color	Character	Oil, Gas or Water	Top	Bottom	Thickness	Total Depth	Remarks
Quick Sand			Water at:	0	20	20		
Red Rock				20	35	15		
Sand			45 ft.	35	55	20		
Blue mud				55	75	20		
Sand			90 "	75	105	30		
Blue mud				105	115	10		
Red Rock				115	135	20		
Slate & Sand			435 "	135	650	515		
Slate & Shells			550 "	650	700	50		
Sand				700	740	40		
Slate			Gas at:	740	745	5		
Sand			535 ft.	745	795	50		
Slate & Shells				795	825	30		
Sand			Water at:	825	865	40		
Slate & Shells				865	940	75		
Salt Sand			955 "	940	1255	315		
Slate	Black		Gas at:	1255	1260	5		
Maxon Sand			1265 ft.	1260	1340	80		
Slate				1340	1345	5		
Big Lime			1395 "	1345	1505	150		
Slate				1505	1510	5		
Sand				1510	1570	60		
Slate				1570	1575	5		
Big Injun				1575	1640	65		
Slate & Sand		Shells		1640	1660	20		
Lime Shell				1660	1664	4		
Slate				1664	1670	6		
Slate & Shells				1670	1930	260		
Lime		Hard		1930	1945	15		
Slate & Shells				1945	2068	123		
Shale				2068	2073	5		
Berea		Grit	Gas	2073	2097	24		
Slate & shells				2097	2440	343		
Lime Shells				2440	2510	70		
Slate	Black			2510	2780	270		
Slate	Gray			2780	3136	356		
Shale	Brown			3136	3260	124		
Slate			No gas in	3260	3300	40		
Shale	"		shale	3300	3360	60		
Slate	White		before	3360	3380	20		
Shale	Brown		shot.	3380	3460	80		
Slate	White			3460	3575	115		
Shale	Brown			3575	3595	20		
Slate				3595	3601	6		

Well was ~~shot~~ shot at 2075 to 2096 feet; well was shot at 3063 to 3464 feet.

Fresh water at 45, 90, 550 and 955 ~~Salt~~ feet; ~~salt~~ water at 435 feet.

Well was producing gas ~~oil~~

January 23, 1931. Date

LARIER GAS COMPANY,

Approved J. I. Shepard

~~Mgr~~ Gen'l Supt.

NOTE: All bottom formations must be noted as indicated above and all key-rocks and oil and gas sands must be recorded under their proper geological names in the district as well as any local names commonly used in the district for such strata.

SEP 14 2026

10/09/2026

PILLAR ENERGY

WELLBORE SCHEMATIC

Well Information:

Well Name:	P-85	Company / Partnership:	Pillar Energy LLC
County / State:	Cabell / WV	API Number:	47-011-00026
District / Quad:	Grant / Hurricane	AFE Number:	
Target:	Devonian Shale	Cost Center:	
Lat:	38.410297	Pool Code	
Long:	-82.077486	DTD / LTD:	3601

Surveys	Hole Size	Shows	Depths (KB)	SPUD DATE: November-30 TD DATE:	Casings	Cement
				Elevation: 621'		
		FW @ 45' FW @ 90'				
		FW @ 435'			8-1/4" Surface Csg @ 475', pulled 250' after setting 6-5/8"	
		Gas Show @ 535' SW @ 550'				
		SW @ 955'				
		Gas Show @ 1265' Gas Show @ 1395'				
					6-5/8" Intermediate csg set @ 1655' GL, likely on packer No Record of Cementing	
		Gas Show @ 2073'-2097'				
				TD @ 3601'		

SEP 14 2026

Completion Information Target: Devonian Shale / Berea Completion Date:

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: Devonian Shale Shot F/3063 T/3464 Berea shot F/ 2075' T/ 2096

10/09/2026

Cab-26

WEST VIRGINIA DEPARTMENT OF MINES

Oil and Gas Section

PRELIMINARY DATA SHEET NO. 1

File No. ..... Well No. P-85

LARGER GAS Company, of 1100 Kanawha Valley Building, Charleston, W. Va., on the Nide Hanley Farm containing 104 acres. Location on the waters of Indian Creek, Grant District, in Cabell County, West Virginia.

The surface of the above tract is owned in fee by Nide Handley of Culloden, W. Va., address, and the mineral rights are owned by Nide Handley of Culloden, W. Va.,

The oil and gas privileges are held under lease by the above named company, and this well is drilled under permit No. Cab. 26 issued by the West Virginia Department of Mines, Oil and Gas Section, November 29th, 1930.

Elevation of surface at top of well, ... 621.[illegible] ..... Spirit ~~Barometric~~.

The number of feet of the different sized casings used in the well.

..... feet ..... size. Wood conductor

21 feet 10" size, csg. ..... feet ..... sized csg.
Pulled 250 ft.

475 feet 8¼" size, csg. ..... feet ..... sized csg.

1655 feet 6-5/8" size, csg. ..... feet ..... sized csg.

..... packer of ..... size, set at .....

..... packer of ..... size, set at .....

..... in casing perforated at ..... feet to ..... feet.

..... in casing perforated at ..... feet to ..... feet.

Coal was encountered at No coal feet; thickness ..... inches, and at .....

feet; thickness ..... inches; and at ..... feet; thickness ..... inches.

Liners were used as follows: (Give details) No liners

.....

.....

.....

January 23, 1931.
Date.

Approved LARGER GAS COMPANY, Owner.

By J. L. Lyon
(Title) Gen'l Supt.

DEPARTMENT OF MINES JAN 24 1931 WEST VIRGINIA

SEP 14 2026

10/09/2026

WW-4A
Revised 6-07

1) Date: 07/01/2026
2) Operator's Well Number
P-85

3) API Well No.: 47 - 011 - 00026

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: Appalachian Power Co
Address: 404 29th Street W
Charleston, WV 25387

(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:

RECEIVED
SEP 14 2026

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 26th day of August 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 deprivacyoffier@wv.gov.

10/09/2026

9589 0710 5270 2352 9332 55

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
$ 5.30

Extra Services & Fees *(check box, add fee as appropriate)*
- [x] Return Receipt (hardcopy) $ 4.40
- [ ] Return Receipt (electronic) $
- [ ] Certified Mail Restricted Delivery $
- [ ] Adult Signature Required $
- [ ] Adult Signature Restricted Delivery $

Postage
$ 2.17

Total Postage and Fees
$ 11.87

Postmark Here

Appalachian Power Co
404 29th Street W
Charleston, WV 25387

P-85

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:

Appalachian Power Co
404 29th Street W
Charleston, WV 25387

P-85

9590 9402 8699 3310 6932 85

2. Article Number *(Transfer from service label)*
9589 0710 5270 2352 9332 55

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ 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
- [x] Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Signature Confirmation™
- ☐ Signature Confirmation Restricted Delivery

...Mail
...Mail Restricted Delivery
...0)

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

RECEIVED
Office of Oil and Gas
SEP 14 2026
WV Department of Environmental Protection

10/09/2026

WW-9
(5/16)

API Number 47 - 011 - 00026
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 River 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: N/A

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.

Received
Office of Oil & Gas
SEP 14 2026
WV Department of
Environmental Protection

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 26th day of August, 2026

_____ Notary Public

My commission expires June 9, 2029

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
Anita E Kirk
2938 Short Creek Road
Hurricane, WV 25526
My Commission Expires June 9, 2029

10/09/2026

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: Brian Wanless

Comments: _____

SEP 14 2026

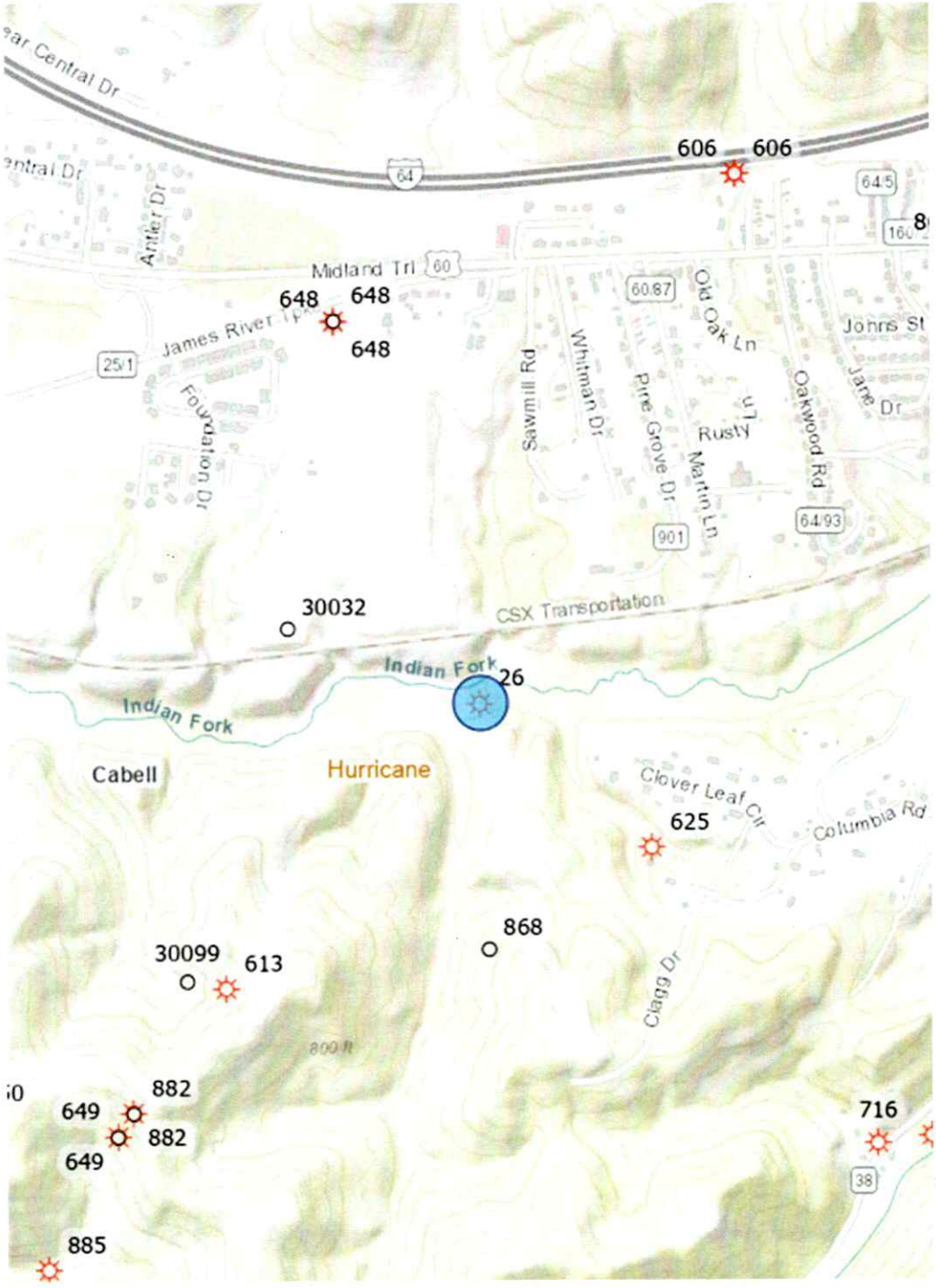
Title: _____ Date: 9/6/26

Field Reviewed? (_____) Yes (_____) No

10/09/2026

P-85

LOCATION MAP



SEP 14 2026

10/09/2026

WW-7
8-30-06

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

API: 47-011-00026 **WELL NO.:** P-85

FARM NAME: _____

RESPONSIBLE PARTY NAME: Pillar Energy LLC

COUNTY: Cabell **DISTRICT:** Grant

QUADRANGLE: Hurricane

SURFACE OWNER: Appalachian Power Co

ROYALTY OWNER: _____

UTM GPS NORTHING: 4251889.5

UTM GPS EASTING: 405927.8 **GPS ELEVATION:** 621

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 _____

Received
Office of Oil and Gas
SEP 14 2026
WV Department of
Environmental Protection

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	Title	Date
	CEO	8-25-26

10/09/2026