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 20, 2026
WELL WORK PLUGGING PERMIT
Vertical Plugging

PILLAR ENERGY, LLC
1244 MARTINS BRANCH RD

CHARLESTON, WV 25312

Re: Permit approval for 565
47-005-01554-00-00

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: 565
Farm Name: HOPKINS, J. M.
U.S. WELL NUMBER: 47-005-01554-00-00
Vertical Plugging
Date Issued: 10/20/2026

Promoting a healthy environment.

10/23/2026

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.

WW-4B
Rev. 2/01

1) Date September 8, 2026
2) Operator's
Well No. 565 Hopkins 1
3) API Well No. 47- 005 - 01654

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 687 Watershed Coal
District Scott County Boone Quadrangle Madison

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.

Received
SEP 14 2026
WV Department of
Environmental Protection

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

Work order approved by inspector [signature] Date 9/29

10/23/2026

565 Hopkins 1
API# 47-005-01554
Elevation: 687' GL
Latitude/Longitude: 38.074151 / -81.828024

PERMITTED UNDER NEW REGULATIONS

ALL DEPTHS AND ARE APPROXIMATE AND BASED ON 005-01097 DATA. ELEVATIONS ARE SIMILAR

565 Hopkins 1 Well Data (Drilled 1926)

Casing:	13-3/8" Conductor @ 20' GL
	10" Conductor @ ~70' GL
	8-1/4" Surface @ ~360' GL
	6-5/8" Intermediate Csg @ ~1000' GL
	2-3/8" Production Tbg ~1730' – Packer @ ~1200' GL
TD:	~1730'
Latch Down:	N/A
Perforations:	Open Hole F/ ~1000' – T/ ~1700'. Shot F/ ~1675' - T/1700'
Coal:	~200' GL, ~300' GL
Fresh Water Shows:	~60' GL
Salt Water Shows:	Salt Sand ~480-675'
Gas/Oil Shows:	~1040', 1097', & 1678'

565 Hopkins 1 Procedure:

1. Notify State Inspector, Murdock Howard – (681)-990-2568 – murdock.howard@wv.gov 24 hours prior to commencing operations. or Brian Warden 304 205-3229
2. Prep location.
3. MIRU service rig, steel pits, and other ancillary equipment.
4. Blow well down, and TOOH w/ production tubing and packer.
5. RIH w/ work string to ~1650'
6. Pump 10 BBl 6% gel.
7. Set 100' Class A cement plug F/ 1650' T/ 1550'.
8. TOOH to 1000', 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. 200' plug F/ 1020' T/ 820'. Csg ripped or perforated at 1000' & 950' if csg is still present.
    b. 100' plug F/ 710' T/ 610'. Csg ripped or perforated at 735' if csg is still present.
    c. 500' plug F / 500' T / surface to cover all Fresh Water Zones, and Mineable Coal. Csg perforated at 500', 300', 200', & 50' 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.

JCB 10/20/26

10/23/2026

PILLAR ENERGY

WELLBORE SCHEMATIC

Well Information:

Well Name:	565 Hopkins 1	Company / Partnership:	Pillar Energy LLC
County / State:	Boone / WV	API Number:	47-005-01554
District / Quad:	Scott / Julian	AFE Number:	
Target:	Devonian Shale	Cost Center:	
Lat:	38.07402374	Pool Code	
Long:	-81.8280375	DTD / LTD:	~1730

Surveys Hole Size Shows Depths (KB)	SPUD DATE: TD DATE:	Casings Cement
	Elevation: 687'	13-3/8" Conductor @ ~20'
FW Show @60'		10" Conductor @ ~70'
ALL WELL INFO IS BASED ON OFFSET 005-01097, ELEVATIONS ARE SIMILAR		8-1/4" Surface Casing set @ ~360'
Salt Sand ~480' - 675'		6-5/8" Intermediate csg set @ ~1000' GL
Gas Show @ 1040' Gas Show @ 1097' Gas Show @ 1678'		3" Production Tubing set @ ~1730' on Packer @~1200'
	TD @ ~1730'	

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

Completion Information Target: 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: Berea Shot around 1650'

10/23/2026

005-1097

THE OWENS BOTTLE COMPANY

Serial Well No. 239 Lease No. 238 Elevation

RECORD OF WELL No. 2

H. C. Ballard Tract of 437

in 1 Scott

Sciotoville County, State of Ky. Va.

Rig Commenced

Rig Completed

Drilling Commenced 3-31-27

Drilling Completed 7-21-27

Drilling to cost per foot

Contractor is: C. L. O. tools

Address:

Tool Pusher - J. E. Miller

Drillers' Names F. F. Jamison

Scott Rost

Well Abandoned and plugged

Conductor, Casing and Tubing

	Size	No. Joints	Left in Hole	Left in Well
Conductor				
Casing	13"		20	20
"	10"		70	
"	8¼"		358	358
"	6⅝"		1009	1009
"	5 1-16			
Tubing	3"		1727	1727
"	2"			

Packer set at 1625

Set Packer release 1167

Cove catcher at 1674

Casing 1625 & 1721

Shot 7-15 1927 with 90 qts.

Top of shot 1676

Bottom " 1697

GAS WELL

INITIAL OPEN FLOW

S. L. Berea 105,000 Cubic feet

CLOSED IN PRESSURE

	Tubing	Casing	Brauenhead
1 Min.	Berea	9	Li e 5 Pounds
2 Min.		17	7 Pounds
3 Min.		24	9 Pounds
4 Min.		30	12 Pounds
5 Min.		38	15 Pounds
10 Min.		127	25 Pounds
24 Hours		470	70 Pounds

OIL WELL

INITIAL PRODUCTION

Oil flowed barrels

Oil pumped barrels

DRILLER'S RECORD

FORMATION	Top	Bottom	Thickness	REMARKS
Sand & Gravel	0	20	20	
Slate	20	65	45	Hole full water at 65 ft.
Quick Sand	65	70	5	
Sand	70	190	120	
Coal	190	192	2	
Slate	192	205	13	
Sand	205	305	100	
Coal	305	308	3	
Slate	308	360	52	
Sand	360	450	90	
Slate & Shells	450	480	30	
Salt Sand	480	675	195	
Slate	675	730	55	
Salt Sand	730	775	45	
Slate	775	785	10	
Red Rock	785	820	35	
Slate & Shells	820	890	70	
Maxton Sand	890	935	45	
Little Lime	935	970	35	
Slate	970	998	28	Steel line 1009
Big Lime	998	1202	204	Very small show gas at 1040
Big Injun	1202	1235	33	
Slate & Shell	1235	1515	280	Very small show gas at 1097
Lime Shell	1515	1535	20	
Slate & Shell	1535	1659	124	Steel line meas. 1541
Brown Shale	1659	1674	15	
Berea Sand	1674	1699	25	Gas at 1678
Slate	1699	1727	28	" " 1684
Total depth		1727		Test before shot 224,000
				" after " 627,000

RECEIVED
NOV - 1 1977
OIL & GAS DIVISION
DEPT. OF MINES

10/23/2026

WW-4A
Revised 6-07

1) Date: 09/08/2026
2) Operator's Well Number
565 Hopkins 1

3) API Well No.: 47 - 005 - 01554

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: City of Madison
Address: Gen Del
Madison, WV 25130

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

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

Subscribed and sworn before me this 9 day of Sept 2026
Notary Public

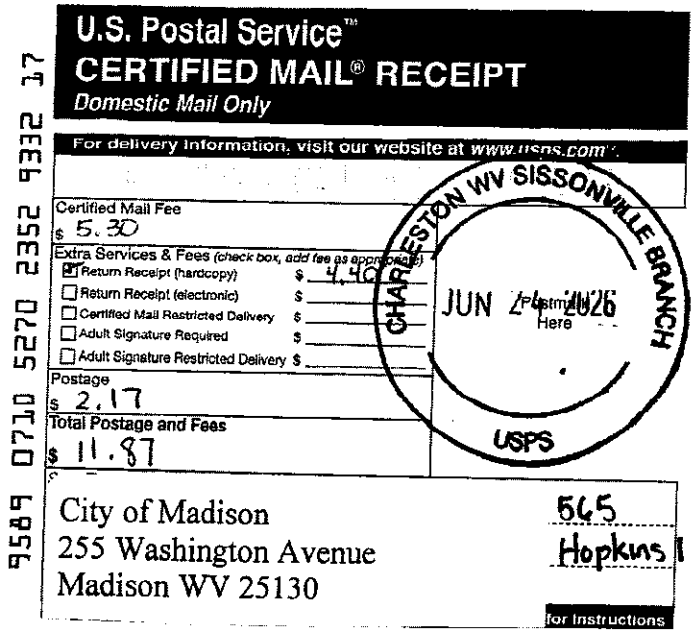
OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
Anita E Kirk
2938 Short Creek Road
Racine, WV 25165
My Commission Expires June 9, 2029

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.

10/23/2026



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CHARLESTON WV SISSONVILLE BRANCH
JUN 24 2026
USPS

9589 0710 5270 2352 9332 17

Certified Mail Fee $ 5.30
Extra Services & Fees (check box, add fee as appropriate)
☑ 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

City of Madison
255 Washington Avenue
Madison WV 25130

565
Hopkins

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:

City of Madison
255 Washington Avenue
Madison WV 25130

9590 9402 8699 3310 6933 15

2. Article Number (Transfer from service label)
9589 0710 5270 2352 9332 17

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

SEP 14 2026

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☑ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Mail
☐ Mail Restricted Delivery
00)
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

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

10/23/2026

ALERT: IMPACTS FROM THE WORLD SOCCER TOURNAMENT HELD IN MAJOR CITIES THROUGHOU...

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SEP 14 2026
WV Department of Environmental Protection

Track Another Package

Enter tracking or barcode numbers

10/23/2026

WW-9
(5/16)

API Number 47 - 005 - 01554
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) Coal Quadrangle Madison

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 47-019-00460)
_____ Reuse (at API Number _____)
_____ Off Site Disposal (Supply form WW-9 for disposal location)
_____ Other (Explain _____

Will closed loop systembe used? If so, describe: N/A

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. N/A

-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) N/A

-Landfill or offsite name/permit number? N/A

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 and 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 9th 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

10/23/2026

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
		Contractor 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 Stamped

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

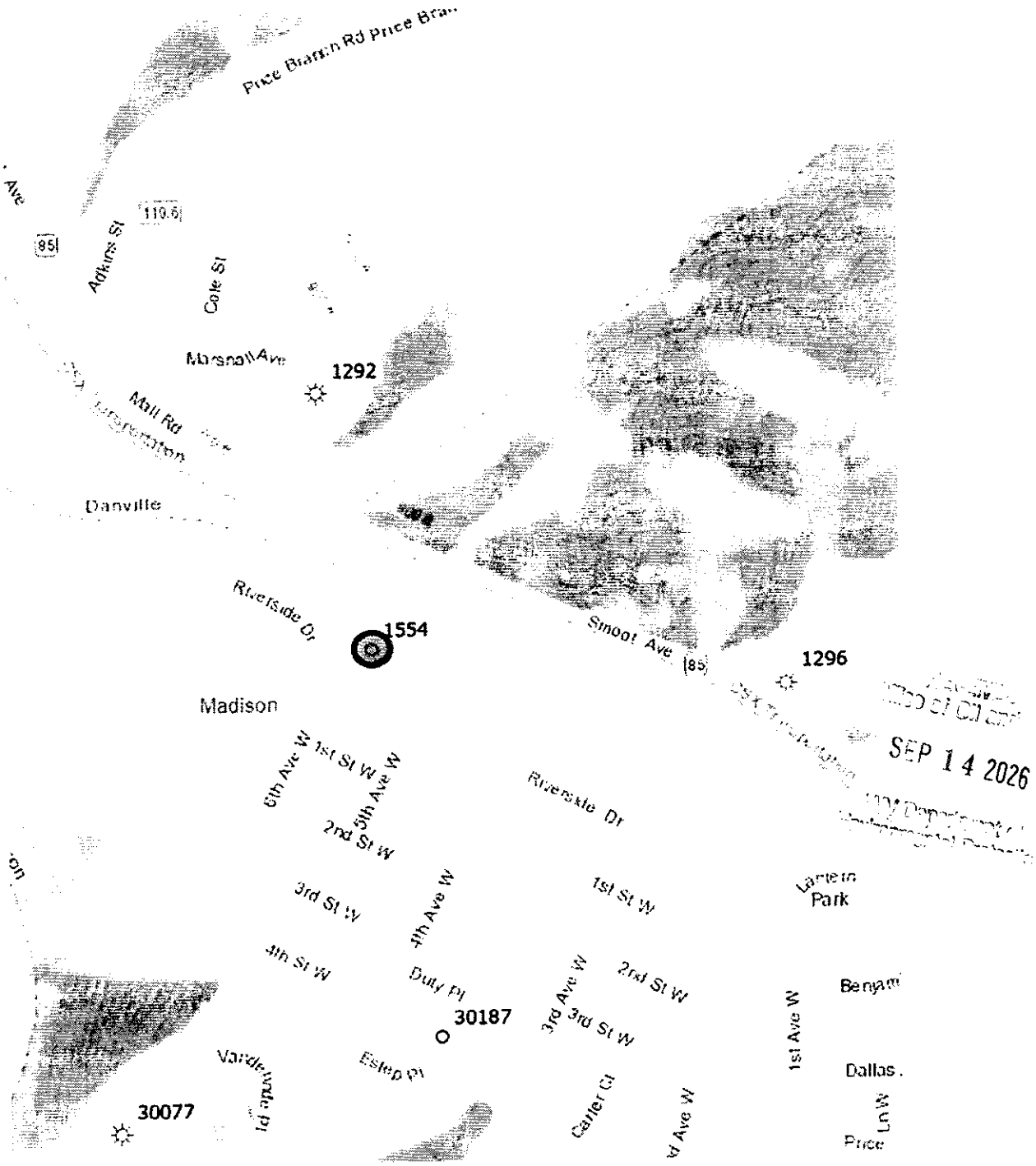
Title: [signature] Date: 9/4/26

Field Reviewed? (✓) Yes ( ) No

10/23/2026

565 Hopkins 1

LOCATION MAP



SEP 14 2026

10/23/2026

WW-7
8-30-06

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

API: 47-005-01554 **WELL NO.:** 565 Hopkins 1

FARM NAME: _____

RESPONSIBLE PARTY NAME: Pillar Energy LLC

COUNTY: Boone **DISTRICT:** Scott

QUADRANGLE: Madison

SURFACE OWNER: City of Madison

ROYALTY OWNER: _____

UTM GPS NORTHING: 4214351.806

UTM GPS EASTING: 427373.049 **GPS ELEVATION:** 687

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.

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

Signature	CEO	9-9-26
	Title	Date

10/23/2026