



west virginia department of environmental protection

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

Harold D. Ward, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Tuesday, May 9, 2023  
WELL WORK PLUGGING PERMIT  
Vertical Plugging

PILLAR ENERGY, LLC  
1244 MARTINS BRANCH RD

CHARLESTON, WV 25312

Re: Permit approval for Hively 1  
47-039-04202-00-00

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: Hively 1  
Farm Name: HIVELY, ROY  
U.S. WELL NUMBER: 47-039-04202-00-00  
Vertical Plugging  
Date Issued: 5/9/2023

Promoting a healthy environment.

05/11/2023

## 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

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1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.
4. 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 March 30, 2023  
2) Operator's Well No. Hively #1  
3) API Well No. 47-039 - 04202

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 \_\_\_ / Liquid injection X / Waste disposal \_\_\_ /  
(If "Gas, Production \_\_\_ or Underground storage \_\_\_) Deep \_\_\_ / Shallow \_\_\_

5) Location: Elevation 1063' Watershed Big Fork of Little Sandy Creek  
District Big Sandy County Kanawha Quadrangle Kettle 7.5

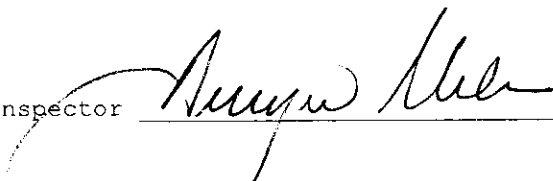
6) Well Operator Pillar Energy LLC 7) Designated Agent \_\_\_\_\_  
Address 1244 Martins Branch Rd Address \_\_\_\_\_  
Charleston, WV 25312

8) Oil and Gas Inspector to be notified Name Terry Urban  
Address PO Box 1217  
Clendenin, WV 25045  
9) Plugging Contractor Name \_\_\_\_\_  
Address \_\_\_\_\_

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

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**APR 13 2023**  
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  Date 5-8-23

05/11/2023

Hively #1  
 API# 47-039-04202  
 Elevation: 1063' GL  
 Latitude/Longitude: 38.509114, -81.417992

Hively #1 Well Data (Drilled 07/1985)

Casing: 8-5/8" 20 ppf J-55 Surface Csg @ 469' GL  
 4-1/2" 9.5 ppf J-55 Production Csg @ 2125' GL  
 2-3/8" 4.6 ppf J-55 Injection Tbg @ 1996' set on tension packer  
 TD: 2160'  
 Perforations: F/ 2026' – T/ 2061'  
 Coal: N/A  
 Fresh Water Shows: 40'  
 Salt Water Shows: 950'  
 Gas/Oil Shows: 1910', 2022' – 2045'

Hively #1 Procedure:

1. Notify State Inspector, Terry Urban – (304)-549-5915 - [Terry.W.Urban@wv.gov](mailto:Terry.W.Urban@wv.gov) 24 hours prior to commencing operations.
2. Prep Hively #1 location.
3. MIRU service rig, steel pits, and other ancillary equipment.
4. Release tension packer (1992' – 1996') & TOOH w/ 2-3/8" tubing.
5. TIH w/ work string to 2100' and pump 5 BBL 6% gel.
6. Set 250' cement plug F/ 2075' T/ 1825'. (Csg shoe @ 2125').
7. TOOH to ~~1000'~~, WOC 8 hrs, RIH & tag plug, add cement if needed. *Shut in*
8. Circulate 6% gel from TOC to surface.
9. 4-1/2" 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 removed. 6% gel will be spotted between each plug.
  - a. 100' across location of ripped casing.
  - b. 300' plug F/ 1100' – T/ 800'. Csg ripped or perforated at ~950' if 4-1/2" csg is still present.
10. 8-5/8" Casing is cemented to surface. (119 sks cmnt pumped when drilled). 6% gel will be spotted between each plug.
  - a. 200' plug F/ 200' – T/ surface. Csg ripped or perforated at 40' if csg is still present.
11. Erect a monument to WV DEP specifications (CSR 35-4-5.5 – sub "b").
12. Reclaim location and roads to WV DEP Specifications.

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 WV Department of  
 Environmental Protection

★ SET 100' CLASS A CEMENT  
 PLUG FROM 520' – 420' ACROSS  
 8 5/8" CASING SHOE.

*Terry W. Urban*  
 5-8-23



WELLBORE SCHEMATIC

Well Information:

|                      |            |                        |                   |
|----------------------|------------|------------------------|-------------------|
| Well Name:           | Hively #1  | Company / Partnership: | Pillar Energy LLC |
| County / State:      | Kanawha/WV | API Number:            | 47-039-04202      |
| District / Township: |            | AFE Number:            |                   |
| Target:              | Big Injun  | Cost Center:           |                   |
| Lat:                 | 38.509114  | Pool Code              |                   |
| Long:                | -81.417992 | DTD / LTD:             | 2160              |

| Surveys | Hole Size | Formations     | Depths (KB) | SPUD DATE:<br>TD DATE: | 9/16/1961<br>9/26/1961 | Casings  | Cement | Shows |
|---------|-----------|----------------|-------------|------------------------|------------------------|--|--------|-------|
|         |           | FW show @ 40'  |             | Elevation: 1063'       |                        |  |        |       |
|         |           |                |             |                        |                        | 8-5/8" surf csg @ 469' GL, Cemented w/ 119 sx                                  |        |       |
|         |           | SW show @ 950' |             |                        |                        | 2-3/8" tbg @ 1996' on tension packer   |        |       |
|         |           |                |             | TD @ 2160'             |                        | Perfs @ 2026' - 2061'<br>4-1/2" prod. Csg @ 2125' GL cemented w/ 212 sx cement |        |       |

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Completion Information

|                          |                      |           |  |                  |     |
|--------------------------|----------------------|-----------|--|------------------|-----|
| Target:                  |                      | Big Injun |  | 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:

IV-35  
(Rev 8-81)

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4703904202 P

DIVISION OF OIL & GAS State of West Virginia  
DEPARTMENT OF ENERGY Department of Mines  
Oil and Gas Division

Date: August 2, 1985  
Operator's Well No. Hively #1  
Farm Roy Hively  
API No. 47 - 039 - 4202

WELL OPERATOR'S REPORT  
OF  
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil  / Gas  / Liquid Injection / Waste Disposal /  
(If "Gas," Production  / Underground Storage / Deep / Shallow  )

LOCATION: Elevation: 1,063 Watershed Big Fork of Little Sandy Creek  
District: Big Sandy County- Kanawha Quadrangle Kettle 7.5

COMPANY Key Oil Company  
ADDRESS P. O. Box 729, Spencer, WV 25276  
DESIGNATED AGENT Barry K. Lay  
ADDRESS P.O. Box 729, Spencer, WV 25276  
SURFACE OWNER Roy Hively  
ADDRESS 866 Mills Creek Rd., Elkview, WV 25071  
MINERAL RIGHTS OWNER Roy Hively  
ADDRESS 866 Mills Creek Rd., Elkview, WV 25071  
OIL AND GAS INSPECTOR FOR THIS WORK  
Carlos Hively ADDRESS 223 Pinch Ridge Rd, Elkview  
PERMIT ISSUED July 3, 1985  
DRILLING COMMENCED July 12, 1985  
DRILLING COMPLETED July 16, 1985  
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION, FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

| Casing Tubing     | Used in Drilling | Left in Well | Cement fill up Cu. ft. |
|-------------------|------------------|--------------|------------------------|
| Size: 20-16 Cond. |                  |              |                        |
| 13-10"            |                  |              |                        |
| 5/8"              |                  |              |                        |
| 8 5/8"            | 469              | 469          | 119 sks                |
| 7"                |                  |              |                        |
| 5 1/2"            |                  |              |                        |
| 4 1/2"            |                  | 2125         | 212 sks                |
| 3"                |                  |              |                        |
| 2"                |                  | 2080         |                        |
| Liners used       |                  |              |                        |

GEOLOGICAL TARGET FORMATION Big Intun Depth 2050 feet  
Depth of completed well 2160 feet Rotary  / Cable Tools  
Water strata Depth: Fresh 40 feet; Salt 850 feet  
Coal seam depths: N/A Is coal being mined in the area? no

OPEN FLOW DATA  
Producing formation Big Intun Pay zone depth 2022-2061 feet  
Gas: Initial open flow 0 Mcf/d Oil: Initial open flow 0 Bbl/d  
Final open flow 30 Mcf/d Final open flow 24 Bbl/d  
Time of open flow between initial and final tests 24 hours  
Static rock pressure 325 psig (surface measurement) after 48 hours shut in  
(If applicable due to multiple completion--)  
Second producing formation Pay zone depth feet  
Gas: Initial open flow 15 Mcf/d Oil: Initial open flow Bbl/d  
Final open flow Mcf/d Oil: Final open flow Bbl/d  
Time of open flow between initial and final tests hours  
Static rock pressure psig (surface measurement) after hours shut in

(Continue on reverse side)

05/11/2023

KAN 4202



DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Perforated from 2026 to 2061 with 30 - 0.49" holes  
 Stimulated with 250 gal. 15% HCl Acid  
 .396 bbls. water with 16,000 lb. 10/20 sand

WELL LOG

| FORMATION                     | COLOR | HARD OR SOFT | TOP FEET | BOTTOM FEET | REMARKS   |
|-------------------------------|-------|--------------|----------|-------------|---|
|                               |       |              |          |             | Including indication of all fresh and salt water, coal, oil and gas |
| Sofl                          |       |              | 0        | 14          |   |
| Shale                         |       |              | 14       | 116         | Fresh water 40'   |
| Sandstone                     |       |              | 116      | 140         |   |
| Shale and sandstone stringers |       |              | 140      | 602         |   |
| Sandstone                     |       |              | 602      | 742         |   |
| Shale                         |       |              | 742      | 856         |   |
| Sandstone                     |       |              | 856      | 968         | Show salt water   |
| Shale and sandstone stringers |       |              | 968      | 1350        |   |
| 1st salt sand                 |       |              | 1350     | 1490        |   |
| Shale                         |       |              | 1490     | 1538        |   |
| 2nd salt sand                 |       |              | 1538     | 1706        |   |
| Shale                         |       |              | 1706     | 1740        |   |
| 3rd salt sand                 |       |              | 1740     | 1830        |   |
| Shale                         |       |              | 1830     | 1880        |   |
| Big Lime                      |       |              | 1880     | 2022        | Show oil - 1910   |
| Big Injun                     |       |              | 2022     | 2074        | Show oil - 2022-2045  |
| Shale                         |       |              | 2074     | TD          |   |

(Attach separate sheets as necessary)

KEY OIL COMPANY

Well Operator

By: Barry K. Lay Barry K. Lay  
 Date: August 2, 1985

Note: Regulation 2.02(i) provides as follows:  
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
OIL AND GAS WELLS DIVISION

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JUL 29 1985

INSPECTOR'S WELL REPORT

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

Permit No. 039-4202

Oil or Gas Well (KIND)

Company Key Oil Company  
 Address \_\_\_\_\_  
 Farm Ray + Hazel Hively  
 Well No. Hively #1  
 District Big Sandy County Kanawha  
 Drilling commenced \_\_\_\_\_  
 Drilling completed \_\_\_\_\_ Total depth \_\_\_\_\_  
 Date shot \_\_\_\_\_ Depth of shot \_\_\_\_\_  
 Initial open flow \_\_\_\_\_ /10ths Water in \_\_\_\_\_ Inch  
 Open flow after tubing \_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch  
 Volume \_\_\_\_\_ Cu. Ft.  
 Rock pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.  
 Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
 Fresh water \_\_\_\_\_ feet \_\_\_\_\_ feet  
 Salt water \_\_\_\_\_ feet \_\_\_\_\_ feet

| CASING AND TUBING | USED IN DRILLING | LEFT IN WELL | PACKER         |
|-------------------|------------------|--------------|----------------|
| Size              |                  |              |                |
| 16                |                  |              | Kind of Packer |
| 13                |                  |              |                |
| 10                |                  |              | Size of        |
| 8 1/2             |                  |              |                |
| 6 3/8             |                  |              | Depth set      |
| 5 3/16            |                  |              |                |
| 3                 |                  |              | Perf. top      |
| 2                 |                  |              | Perf. bottom   |
| Liners Used       |                  |              | Perf. top      |
|                   |                  |              | Perf. bottom   |

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. FT. \_\_\_\_\_ Date \_\_\_\_\_  
 NAME OF SERVICE COMPANY \_\_\_\_\_  
 COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

Drillers' Names Clint Hurt Rig #2

Remarks: Set 480' of 8 5/8" casing + cemented with 132 SKS. Reg. neat 3% cc 7-13-85. T.D hole at 2160' 7-16-85. Did well frac 7-20-85. Today nothing being done.

7-22-85  
DATE

Carlos W. Hively 05/11/2023  
DISTRICT WELL INSPECTOR



STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
OIL AND GAS WELLS DIVISION

47039-4202  
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DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

INSPECTOR'S WELL REPORT

Permit No. 039-4202

Oil or Gas Well \_\_\_\_\_  
(Circle)

Company Key Oil Co.  
 Address \_\_\_\_\_  
 Farm Roy & Hazel Hively  
 Well No. Hively #1  
 District Big Sandy county Kanawha  
 Drilling commenced \_\_\_\_\_  
 Drilling completed \_\_\_\_\_ Total depth \_\_\_\_\_  
 Date shot \_\_\_\_\_ Depth of shot \_\_\_\_\_  
 Initial open flow \_\_\_\_\_ /10ths Water in \_\_\_\_\_ Inch  
 Open flow after tubing \_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch  
 Volume \_\_\_\_\_ Cu. Ft.  
 Rock pressure \_\_\_\_\_ lbs \_\_\_\_\_ hrs.  
 Oil \_\_\_\_\_ bbla. 1st 24 hrs.  
 Fresh water \_\_\_\_\_ feet \_\_\_\_\_ feet  
 Salt water \_\_\_\_\_ feet \_\_\_\_\_ feet

| CASING AND TUBING | USED IN DRILLING | LEFT IN WELL | PACKERS        |
|-------------------|------------------|--------------|----------------|
| Size              |                  |              |                |
| 16                |                  |              | Kind of Packer |
| 12                |                  |              |                |
| 10                |                  |              | Size of        |
| 8 1/4             |                  |              | Depth set      |
| 6 1/4             |                  |              |                |
| 5 3/16            |                  |              | Perf. top      |
| 3                 |                  |              | Perf. bottom   |
| 2                 |                  |              |                |
| 2 1/2             |                  |              | Perf. top      |
|                   |                  |              | Perf. bottom   |

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. FT. \_\_\_\_\_ Date \_\_\_\_\_  
 NAME OF SERVICE COMPANY \_\_\_\_\_  
 COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

Drillers' Names Clint Hurt Rig #2

Remarks: Well hooked up & location not reclaimed.

9-3-85  
DATE

Carlton Hively  
DISTRICT WELL INSPECTOR

Remarks: Location reclaimed & seeded.

9-20-85

Carlton Hively  
DISTRICT WELL INSPECTOR  
05/11/2023

4703904202P

WW-4A  
Revised 6-07

1) Date: 3/30/2023  
2) Operator's Well Number  
Hively #1 \_\_\_\_\_  
3) API Well No.: 47 - 039 - 04202

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

|  |                                    |
|--|------------------------------------|
| 4) Surface Owner(s) to be served:                  | 5) (a) Coal Operator               |
| (a) Name <u>Jerry Hively &amp; Robert Hively</u>   | Name _____                         |
| Address <u>7241 E. Highway 19, Loris, SC 29569</u> | Address _____                      |
| (b) Name _____                                     | (b) Coal Owner(s) with Declaration |
| Address _____                                      | Name _____                         |
| (c) Name _____                                     | Address _____                      |
| Address _____                                      | Name _____                         |
| 6) Inspector <u>Terry Urban</u>                    | (c) Coal Lessee with Declaration   |
| Address <u>PO Box 1207</u>                         | Name _____                         |
| <u>Clendenin, WV 25045</u>                         | Address _____                      |
| Telephone <u>304-549-5915</u>                      | _____                              |

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

- (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.

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WV Department of  
Environmental Protection

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the application. 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  
By: \_\_\_\_\_  
Its: \_\_\_\_\_  
Address \_\_\_\_\_  
Telephone \_\_\_\_\_  
My Commission Expires June 9, 2024

Pillar Energy LLC  
Jeff Isner  
President & CEO  
1244 Martins Branch Rd  
Charleston, WV 25312  
681-205-8599

Subscribed and sworn before me this 30th day of March 2023  
Anita E. Kirk Notary Public  
My Commission Expires June 9, 2024

**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 [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov).

05/11/2023

**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:

Jerry Hively & Robert Hively  
 7241 E Highway 19  
 Loris SC  
 29569



9590 9402 7179 1284 0767 32

2. Article Number (Transfer from service label)

7021 0950 0000 9774 9736

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

**COMPLETE THIS SECTION ON DELIVERY**

470 3904202A

A. Signature

X *Jerry Hively*

- Agent
- Addressee

B. Received by (Printed Name)

JERRY HIVELY

C. Date of Delivery

4-5-23

D. Is delivery address different from item 1?  Yes  No

If YES, enter delivery address below:  No

3. Service Type

- Adult Signature
- Adult Signature Restricted Delivery
- Certified Mail®
- Certified Mail Restricted Delivery
- Collect on Delivery
- Collect on Delivery Restricted Delivery
- Insured Mail
- Mail Restricted Delivery
- Priority Mail Express®
- Registered Mail™
- Registered Mail Restricted Delivery
- Signature Confirmation™
- Signature Confirmation Restricted Delivery

Domestic Return Receipt

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 Office of Oil and Gas  
 APR 13 2023  
 WV Department of  
 Environmental Protection

05/11/2023

**SURFACE OWNER WAIVER**

Operator's Well  
Number

Hively #1

**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 57<sup>th</sup> 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 received 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  
ETC.**

**FOR EXECUTION BY A CORPORATION,  
ETC.**

|           |       |       |       |
|-----------|-------|-------|-------|
| _____     | _____ | _____ | _____ |
| Signature | Date  | Name  |       |
|           |       | By    | _____ |
|           |       | Its   | _____ |
|           |       |       | Date  |

Signature

Date

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WW-4B

API No. 47-039-04202  
Farm Name \_\_\_\_\_  
Well No. Hively #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 than five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas.

This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

NOTE: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee for plugging" prior to the issuance of this plugging permit.

**WAIVER**

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The undersigned coal operator \_\_\_\_/ owner \_\_\_\_/ lessee \_\_\_\_/ of the coal under this location has examined this proposed plugging work order. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: \_\_\_\_\_

By: \_\_\_\_\_

Its \_\_\_\_\_



WW-9  
(5/16)

API Number 47 - 039 .04202  
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 \_\_\_\_\_

Watershed (HUC 10) Big Fork of Little Sandy Creek Quadrangle Kettle 7.5

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  *TW*

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 No pit to be built, Any well effluent will be contained in tanks and properly disposed offsite)

Will closed loop system be used? If so, describe: \_\_\_\_\_

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. \_\_\_\_\_

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

Additives to be used in drilling medium? \_\_\_\_\_

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. At discretion of contractor

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

-Landfill or offsite name/permit number? \_\_\_\_\_

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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 attach a close 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 *Jeff Isner*

Company Official (Typed Name) Jeff Isner

Company Official Title President & CEO

Subscribed and sworn before me this 30th day of March

*Janet Kirk*

My commission expires June 9, 2024

2023

OFFICIAL SEAL  
NOTARY PUBLIC  
STATE OF WEST VIRGINIA  
Anita E. Kirk  
783 Stringers Branch Road  
Peytona, WV 25154  
My Commission Expires June 9, 2024

05/11/2023

Form WW-9

Operator's Well No. \_\_\_\_\_

Proposed Revegetation Treatment: Acres Disturbed 1/2 acre 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 Hay or Straw, 2 Tons/acre

Seed Mixtures

**Temporary**

**Permanent**

Seed Type lbs/acre

Seed Type lbs/acre

**Contractors Mix**

**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: \_\_\_\_\_

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Title: *Inspect Oil & Gas* Date: *5-8-23*

Field Reviewed? (  ) Yes (  ) No

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

Operator Name: Pillar Energy LLC  
Watershed (HUC 10): Big Fork of Little Sandy Creek Quad: Kettle 7.5  
Farm Name: \_\_\_\_\_

- 1. List the procedures used for the treatment and discharge of fluids. Include a list of all operations that could contaminate the groundwater.

Plugging of a shallow well. All residual fluids will be captured in portable flowback tanks for proper disposal.

- 2. Describe procedures and equipment used to protect groundwater quality from the list of potential contaminant sources above.

Plugging of a shallow well. All residual fluids will be captured in portable flowback tanks for proper disposal

- 3. List the closest water body, distance to closest water body, and distance from closest Well Head Protection Area to the discharge area.

Closest Water Body: Wills Creek ~2400'

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- 4. Summarize all activities at your facility that are already regulated for groundwater protection.

\_\_\_\_\_

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

6. Provide a statement that no waste material will be used for deicing or fill material on the property.

7. Describe the groundwater protection instruction and training to be provided to the employees. Job procedures shall provide direction on how to prevent groundwater contamination.

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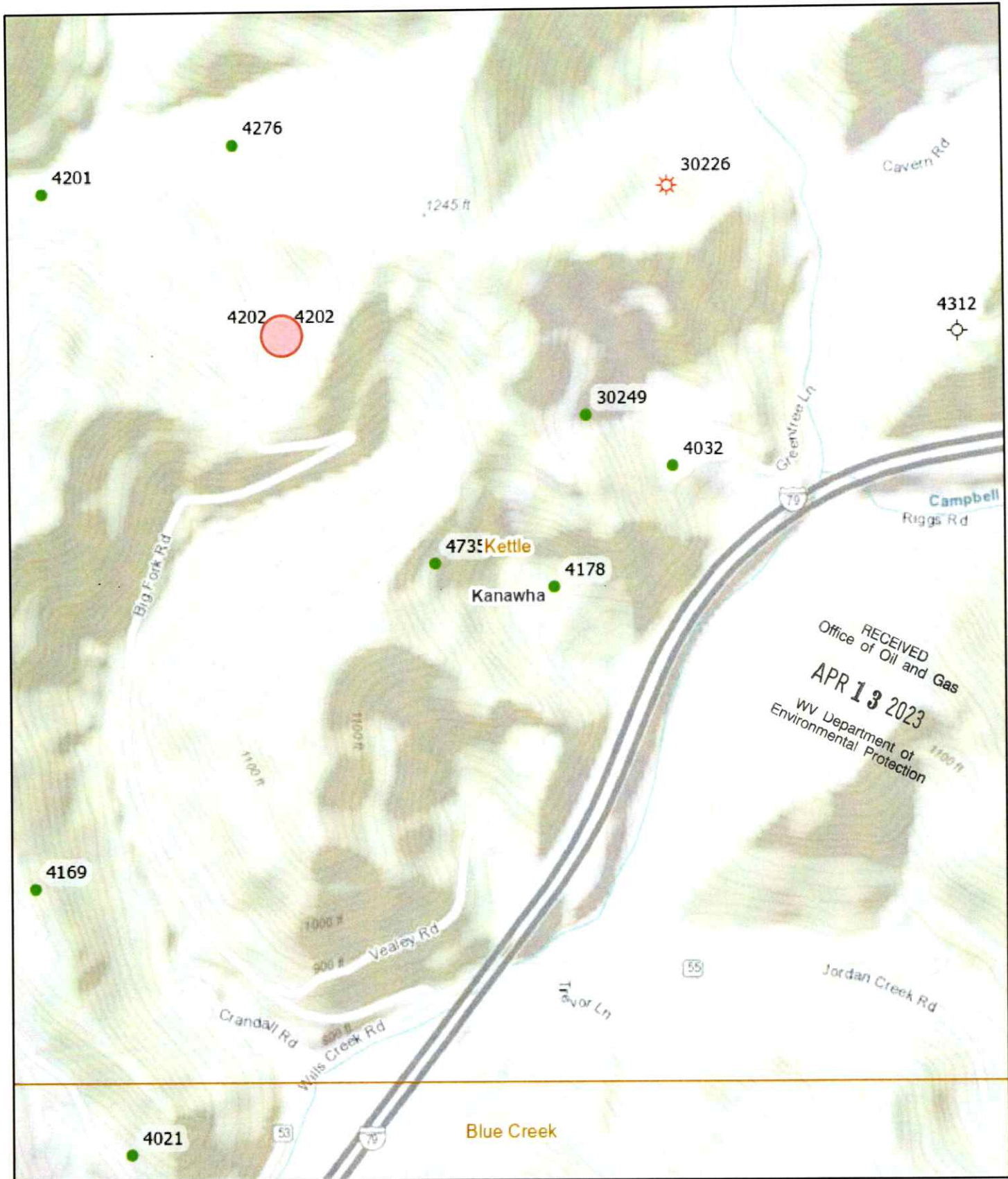
8. Provide provisions and frequency for inspections of all GPP elements and equipment.

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

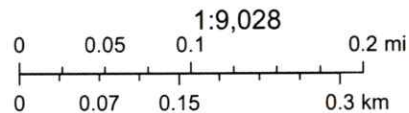


# Hively #1



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3/30/2023, 10:58:23 AM



- |                           |                                     |
|---------------------------|-------------------------------------|
| Labels (7.5' Quadrangles) | WV Oil and Gas All Individual Wells |
| 7.5' Quadrangles          | Gas                                 |
| State Boundary            | Oil                                 |
| Counties                  | Combination Oil & Gas               |

05/11/2023



WW-7  
8-30-06



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

API: 47-039-04202 WELL NO.: Hively #1

FARM NAME: Hively

RESPONSIBLE PARTY NAME: Pillar Energy LLC

COUNTY: Kanawha DISTRICT: Big Sandy

QUADRANGLE: ~~Big Fork of Little Sandy Creek~~ KETTLE

SURFACE OWNER: Jerry Hively & Roberty Hively

ROYALTY OWNER: \_\_\_\_\_

UTM GPS NORTHING: 4262386.7

UTM GPS EASTING: 463556 GPS ELEVATION: 1063

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

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

Survey grade GPS \_\_\_\_\_: Post Processed Differential \_\_\_\_\_

Real-Time Differential \_\_\_\_\_

Mapping Grade GPS : Post Processed Differential \_\_\_\_\_

Real-Time Differential \_\_\_\_\_

- Letter size copy of the topography map showing the well location.**

I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

[Signature]  
Signature

CEO  
Title

3-30-23  
Date

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APR 13 2023  
WV Department of  
Environmental Protection



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

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**plugging permit issued 4703904202.**

1 message

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

Tue, May 9, 2023 at 2:20 PM

To: Trevor Schaffer <Trevor.Schaffer@pillarenergy.com>, Terry W Urban <terry.w.urban@wv.gov>, sallierobinson@kanawha.us, tori.mcgreg@pillarenergy.com


To whom it may concern, a plugging permit has been issued for 4703904202.


James Kennedy

WVDEP OOG

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**2 attachments**

 **4703904202.pdf**  
1867K

 **ir-8 4703904202.pdf**  
120K

05/11/2023