



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

Monday, September 18, 2023
WELL WORK PLUGGING PERMIT
Vertical Plugging

PILLAR ENERGY, LLC
1244 MARTINS BRANCH RD

CHARLESTON, WV 25312

Re: Permit approval for MC-36
47-011-00404-00-00

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: MC-36
Farm Name: JEFFERSON, C. J.
U.S. WELL NUMBER: 47-011-00404-00-00
Vertical Plugging
Date Issued: 9/18/2023

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

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.

1) Date July 31, 2023
2) Operator's
Well No. MC-38
3) API Well No. 47-011 - 0001

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 ___ or Underground storage ___) Deep ___ / Shallow ___

5) Location: Elevation 560 Watershed _____
District Barboursville County Cabell Quadrangle Guyandot

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

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Brian Warden Name TBD
Address _____ Address _____

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

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Office of Oil and Gas

AUG 11 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 Jeff Smith Date _____

Digitally signed by: Jeff Smith
DN: CN = Jeff Smith email = Jeffrey.L.
Smith@wv.gov C = US O = Office of Oil
and Gas OU = WV DEP
Date: 2023.08.15 12:14:49 -0400

09/22/2023



WELLBORE SCHEMATIC

Well Information:

Well Name: MC-36	Company / Partnership: Pillar Energy LLC
County / State: Cabell / WV	API Number: 47-011-00404
District / Township: Barboursville	AFE Number: [REDACTED]
Target:	Cost Center: [REDACTED]
Lat: 38.425787	Pool Code: [REDACTED]
Long: -82.269596	DTD / LTD: 3172

Surveys	Hole Size	Formations	Depths (KB)	SPUD DATE: TD DATE:	May-41 July-41	Casings	Cement	Shows
				Elevation: 560'		10" originally @ 77', possibly pulled		
						8-1/4" Surface Casing set @ 400' No Record of Cementing		
Coal @ 400' 410'						<div style="border: 1px solid black; padding: 10px; width: fit-content; margin: auto;"> <p style="text-align: center;">RECEIVED</p> <p style="text-align: center;">Office of Oil and Gas</p> <p style="text-align: center; font-size: 1.2em;">AUG 11 2023</p> <p style="text-align: center;">WV Department of Environmental Protection</p> </div>		
FW show @ 585' FW show @ 650'								
SW show @ 1100'						6-5/8" Intermediate csg set @ 1672' GL No Record of Cementing		
Gas/Oil shows @ 2106 - TD'						2-3/8" Production tbg @ unknown depth, on anchor packer		
				TD @ 3172'				

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

Remarks:

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Permit No. GAB-403

Oil or Gas
(KIND)

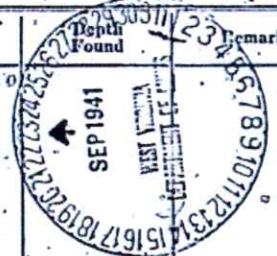
Company Cumberland Gas Corporation
Address Box 586 - Charleston, W. Va.
Farm O. J. Jefferson Acres 46
Location (3) Wildcat Branch
-36 Elev. 560'
County Cabell
Name of tract owned in fee by O. J. Jefferson
Barth ville, Address West Virginia
Mineral rights are owned by SEMO
Address _____
Drilling commenced May 15, 1941
Drilling completed July 4, 1941
Date shot 7-30-41 Depth of shot 3045-3162'
2106-2120'
Open Flow 6/10ths Water in 2" Inch
/10ths Merc. in Inch
Volume 103 MCF Cu. Ft.
Rock Pressure 460 lbs. 24 hrs.
Oil _____ bbls. 1st 24 hrs.
Fresh water 588 feet 650 feet
Salt water 1100 feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16"			none
13"			Size of
10"	77' 10"	77' 10"	Depth set
8 1/2"	400'		Perf. top
6 5/16"	1672'	1672'	Perf. bottom
5 3/16"			Perf. top
3"			Perf. bottom
2"			Perf. top
Liners Used	none		Perf. bottom

CASING CEMENTED SIZE No. Ft. Date

COAL WAS ENCOUNTERED AT FEET INCHES
420 FEET 60 INCHES FEET INCHES
FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sandy Clay			0	25			
White Muck			25	35			
Quick Sand			35	70			
Red Rock			70	230			
Slate,	White		230	360			
Slate,	Black		360	420			
Coal			420	425			
Sand			425	450			
Slate			450	510			
Sand			510	604			
Slate			604	725			2 bailers water per hour at 588'
Sand			725	755			4 bailers water per hour at 650'
Slate			755	800			
Sand			800	825			
Slate and Shells			825	1040			
Salt Sand			1040	1115			Settling sand at 1082-1115'
Slate,	Black		1115	1125			NEW 1100'
Sand			1125	1165			
Slate			1165	1175			
Sand			1175	1185			
Sandy Sand			1185	1200			
Slate,	Blue		1200	1270			
Little Lino			1270	1308			
Pencil Cave			1308	1311			
Big Lino			1311	1478			
Slate,	White		1478	1488			
Kocher			1488	1629			
Injun			1629	1635			
Broken Sand			1635	1650			
Limo,	Black		1650	1665			SLM 1656'
Slate and Shells			1665	1900			
Limo Shells			1900	2024			
Slate			2024	2106			
Brook Grit			2106	2120			SLM 2106' gas
Slate,	White		2120	2160			4/10 W. 1" increased
Limo Shell			2160	2171			to 10/10 W. 1" - 33,330 c.f.
Slate and Shells			2171	2195			S/oil 2190-2200'
Limo			2195	2216			
Slate and Shells			2216	2295			
Limoy Sand			2295	2310			
Slate and Shells			2310	2500			



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P.R.S

(Over)

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Lime Shell			2500	2515			
Slate and Shells			2515	2550			
Brown Shale			2550	2600	SLM 2567'		
Grey Shale			2600	2800			
Brown Shale			2800	2865			
Slate			2865	2905	Gas 2865' (2/10 W. 1")		14,900 c.f.
Brown Shale			2905	3025	Gas 2927' (6/10 W. 1")		25,830 c.f.
Light Shale			3025	3045	Gas 3100' (8/10 W. 1")		29,800 c.f.
Brown Shale			3045	3162	(increased to (11/10 W. 1")		
White Slate			3162	3172	(34,960 c.f. at 3140'		
Total Depth				3172			

Date September 22, 1941

APPROVED CINCINNATI GAS CORPORATION, Owner

By Henry J. Schick
(Title) Gen. Sup't.

09/22/2023

MC-36
API# 47-011-00404
Elevation: 560' GL
Latitude/Longitude: 38.425787 / -82.269596

MC-36 Well Data (Drilled 07/1941)

Casing: 10" Cond Csg @ 77' GL – Possibly pulled after setting intermediate csg
8-1/4" Surface Csg @ 400' GL
6-5/8" Intermediate Csg @ 1672' GL
2-3/8" Production Tbg @ unknown depth on anchor packer.

TD: 3180'

Latch Down: N/A

Perforations: Open Hole F/ 1672' – T/ 3172'

Coal: 420'

Fresh Water Shows: 585', 650'

Salt Water Shows: 1100'

Gas/Oil Shows: 2106', 2190', 2865', 2927', 3100', & 3140'

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Environmental Protection

MC-36 Procedure:

1. Notify State Inspector, Brian Warden – (304)-205-3229– brian.warden@wv.gov
24 hours prior to commencing operations.
2. Prep MC-36 location.
3. MIRU service rig, steel pits, and other ancillary equipment.
4. Blow well down, and TOOH w/ production tubing and anchor packer.
5. RIH w/ work string to ~1750'
6. Pump 30 Bbl 6% gel.
7. Set 200' cement plug F/ 1750' T/ 1550'. (Csg shoe @ 1672').
8. TOOH to 1000', WOC 8 hrs, RIH & tag plug, add cement if needed.
9. 6-5/8" & 8-1/4" Casings (if present) 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' plug across from location of ripped 6-5/8" casing.
 - b. 100' plug F/ 1200' – T/ 1000'. Csg ripped or perforated at ~1130' if csg is still
present.
 - c. 200' elevation plug F/ 700' – T/ 500' (Elevation @ 561'). Csg ripped or perforated at
~600' if csg is still present.
 - d. 100' plug across from location of ripped 8-1/4" casing.
 - e. 100' coal plug F/ 450' – T/ 350'. Csg ripped or perforated at 450' if csg is still
present.
10. Attempt to POOH w/ 10" csg if present.
11. Pump 100' plug F/ 100' – T/ surface'. Csg ripped or perforated at 50' if csg is still present.
12. Erect a monument to WV DEP specifications (CSR 35-4-5.5 – sub "b").
13. Reclaim location and roads to WV DEP Specifications.

09/22/2023

WW-4A
Revised 6-07

1) Date: 7/31/2023
2) Operator's Well Number
MC-36

3) API Well No.: 47 - 011 - 00404

**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>Mark Perry</u>	Name <u>N/A</u>
Address <u>6938 Mud River Rd</u>	Address _____
<u>Barboursville, WV 25504</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>AUG 11 2023</u>
(c) Name _____	Address _____
Address _____	_____
6) Inspector <u>Brian Warden</u>	(c) Coal Lessee with Declaration
Address _____	Name _____
Telephone <u>304-205-3229</u>	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.

 <p>OFFICIAL SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA Anita E. Kirk 783 Stingers Branch Road Martinsburg, WV 25154 My Commission Expires June 9, 2024</p>	Well Operator <u>Pillar Energy LLC</u>	
	By: <u>Jeff Isner</u>	_____
	Its: <u>President & CEO</u>	_____
	Address <u>1244 Martins Branch Rd</u>	_____
	<u>Charleston, WV 25312</u>	_____
Telephone <u>681-205-8599</u>	_____	_____

Subscribed and sworn before me this 7 day of August 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.

09/22/2023

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:

Mark Perry
6938 Mud River Rd
Barboursville WV 25504



9590 9402 7179 1284 0765 10

2. Article Number (Transfer from service label)

7021 0950 0000 9774 9767

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

- Agent
- Addressee

B. Received by (Printed Name)

Mark Perry

C. Date of Delivery

8-18-23

D. Is delivery address different from item 1?
If YES, enter delivery address below:

- Yes
- No

3. Service Type

- Adult Signature
- Adult Signature Restricted Delivery
- 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

AUG 11 2023

SURFACE OWNER WAIVER

Operator's Well
Number

MC-36

WV Department of
Environmental Protection

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have **FIVE (5) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation..."

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application For A Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON
ETC.

FOR EXECUTION BY A CORPORATION,
ETC.

	Date	Name	
Signature		By	
		Its	Date

Signature

09/22/2023

WW-4B

API No. 47-011-00404
Farm Name O. J. Jefferson
Well No. MC-36

**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.

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AUG 11 2023

WAIVER

WV Department of
Environmental Protection

The undersigned coal operator ____ / owner ____ / lessee ____ / of the coal under this well 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 _____

09/22/2023

WW-9
(5/16)

API Number 47 - 011 -00404
Operator's Well No. MC-36

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) Lower Guyandotte Quadrangle Guyandot

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 _____)

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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. _____

-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.

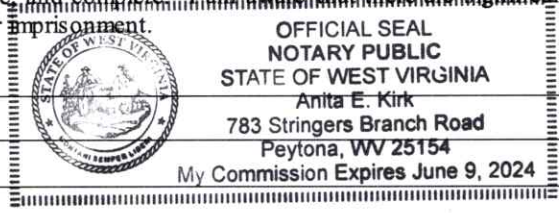
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations 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 [Signature]

Company Official (Typed Name) Jeff Isner

Company Official Title President & CEO



Subscribed and sworn before me this 7 day of August, 2023

[Signature] Notary Public

My commission expires June 9, 2024

09/22/2023

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 Hay or Straw Tons/acre

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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: Jeff Smith
Duly signed by: Jeff Smith
DR, CR & Jeff Smith email - Jeffrey.L.
Smith@wv.gov C - 1520 - Office of Oil
& Gas OU - WV DEP
Date: 2023.08.15 12:15:47 -0400

Comments: _____

Title: CEO Date: _____

Field Reviewed? () Yes () No

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

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AUG 11 2023

Operator Name: Pillar Energy LLC

WV Department of
Environmental Protection

Watershed (HUC 10): Lower Guyandotte

Quad: Barboursville

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 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 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.

Wildcat Branch - 2100'

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.

09/22/2023

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--	--------------------------------------------------------------------------------------------------

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.

--

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

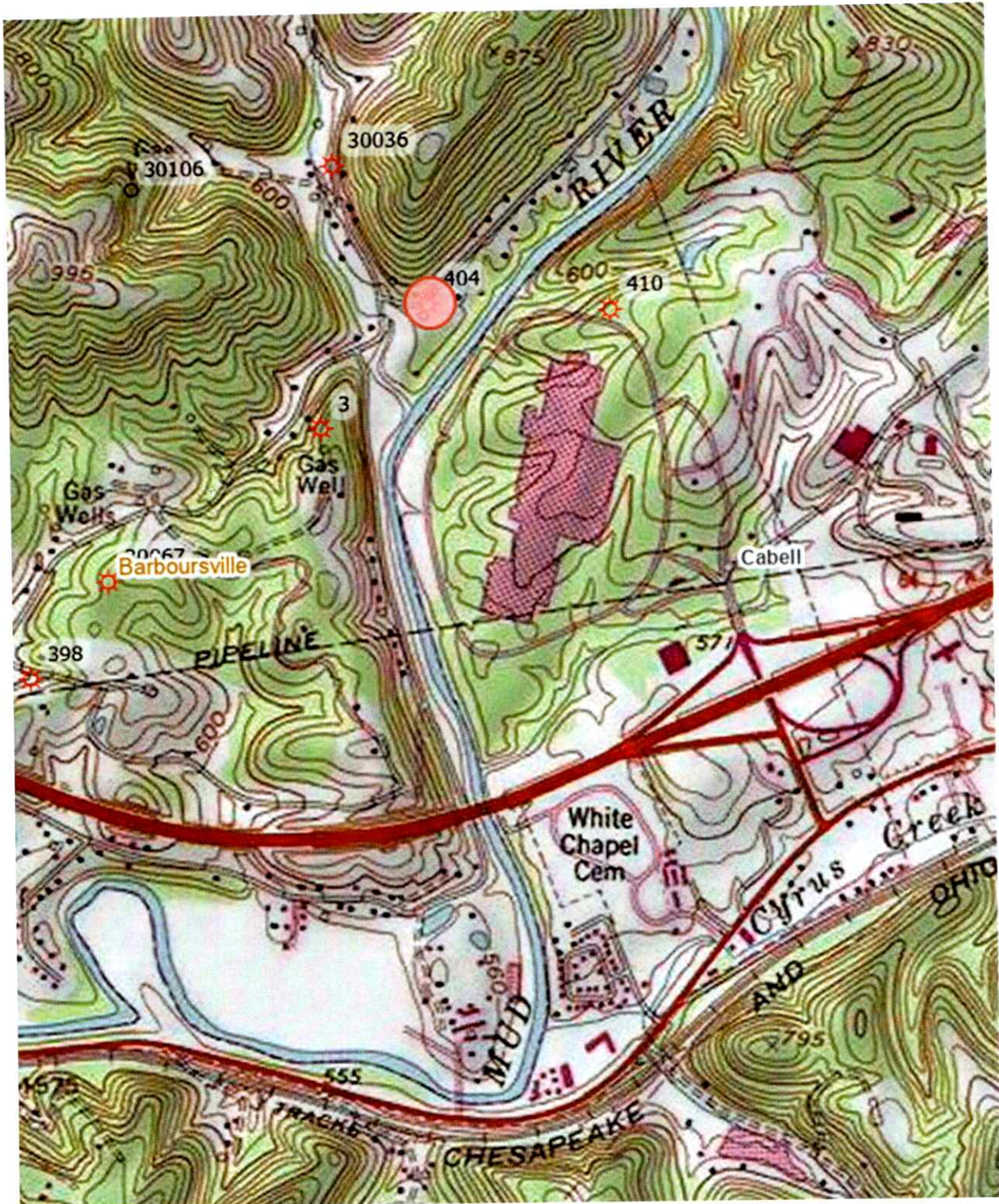
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Signature: _____

Date: _____

AUG 11 2023

MC-36 LOCATION MAP



09/22/2023

WW-7
8-30-06

RECEIVED
Office of Oil and Gas

AUG 11 2023

WV Department of
Environmental Protection



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

API: 47-011-00404 WELL NO.: MC-36

FARM NAME: O.J. Jefferson

RESPONSIBLE PARTY NAME: _____

COUNTY: Cabell DISTRICT: Barboursville

QUADRANGLE: Guyandot

SURFACE OWNER: Mark Perry

ROYALTY OWNER: Mark Perry

UTM GPS NORTHING: 4253819.20

UTM GPS EASTING: 389178.000 GPS ELEVATION: 560'

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 _____

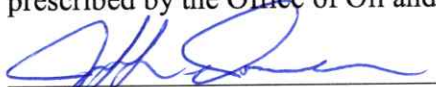
Real-Time Differential _____

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

8-7-23

Date

09/22/2023



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

plugging permit issued 4701100404

1 message

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


Mon, Sep 18, 2023 at 2:48 PM

To: Trevor Schaffer <Trevor.Schaffer@pillarenergy.com>, tori.mcgregor@pillarenergy.com, Jeffrey L Smith <jeffrey.l.smith@wv.gov>, irv@cabellassessor.com

To whom it may concern, a plugging permit has been issued for 4701100404.

James Kennedy

WVDEP OOG

 **4701100404.pdf**
2204K

09/22/2023