



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

Austin Caperton, Cabinet Secretary
www.dep.wv.gov

Friday, August 2, 2019
WELL WORK PLUGGING PERMIT
Horizontal Plugging

CUNNINGHAM ENERGY LLC
3230 PENNSYLVANIA AVENUE

CHARLESTON, WV 25302

Re: Permit approval for J.S. COCHRAN #6H
47-015-02895-00-00

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: J.S. COCHRAN #6H
Farm Name: CHESSIE CONNER, ET AL
U.S. WELL NUMBER: 47-015-02895-00-00
Horizontal Plugging
Date Issued: 8/2/2019

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.

47-015-02895P

WW-4B
Rev. 2/01

1) Date JUNE 26, 2018
2) Operator's Well No. _____
3) API Well No. 47-15-02895P

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

5) Location: Elevation 1,215' Watershed TRIBUTARY OF WADE FORK
District UNION County CLAY Quadrangle ELKHURST

6) Well Operator CUNNINGHAM ENERGY, LLC 7) Designated Agent RYAN E. M. CUNNINGHAM
Address 3230 PENNSYLVANIA AVE. Address 1212 STAUNTON ROAD
CHARLESTON, WV 25302 CHARLESTON, WV 25314

8) Oil and Gas Inspector to be notified Name JEREMY JAMES
Address P.O. BOX 36
CLENDENIN, WV 25045
9) Plugging Contractor Name C & J WELL SERVICE
Address 1650 HACKERS CREEK RD
JANE LEW, WV

10) Work Order: The work order for the manner of plugging this well is as follows:
LOAD HOLE WITH GEL, TRIP IN HOLE TO 1918', SET 500' PLUG BACK TO 1418', CIRCULATE HOLE AGAIN WITH GEL, TRIP BACK TO 500' AND SET CEMENT PLUG FROM 500' TO SURFACE. ERECT MONUMENT AND RECLAIM.

RECEIVED
Office of Oil and Gas
SEP 17 2018

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 JUNE 26, 2018

Handwritten: Dong Nember
aug 2 2019

47-015-02895P

WW-4A
Revised 6-07

1) Date: JUNE 26, 2018
2) Operator's Well Number
J.S. COCHRAN 6H
3) API Well No.: 47 - 15 - 02895

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

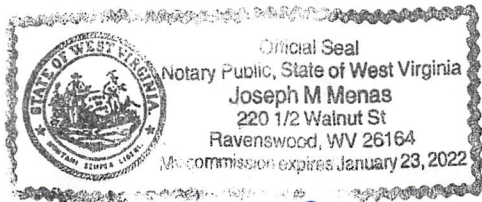
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name CUNNINGHAM ENERGY, LLC IN FEE	Name NO COAL LISTED ON TITLE
Address 3230 PENNSYLVANIA AVENUE	Address
CHARLESTON, WV 25302	
(b) Name	(b) Coal Owner(s) with Declaration
Address	Name
	Address
(c) Name	Name
Address	Address
6) Inspector JEREMY JAMES	(c) Coal Lessee with Declaration
Address P.O. BOX 36	Name
CLENDENIN, WV 25045	Address
Telephone 304-951-2596	

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 CUNNINGHAM ENERGY, LLC
 By: RYAN E. M. CUNNINGHAM
 Its: PRESIDENT
 Address 3230 PENNSYLVANIA AVENUE
 CHARLESTON, WV 25302
 Telephone 304-344-9291

Subscribed and sworn before me this 19th day of September 2018
 My Commission Expires January 23, 2022
 Notary Public

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.

47-015-02895P

WW-9
(5/16)

API Number 47 - 15 - 02895
Operator's Well No. _____

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

Operator Name CUNNINGHAM ENERGY, LLC OP Code 494508594

Watershed (HUC 10) TRIBUTARY OF WADE FORK Quadrangle ELKHURST 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

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 39-2210UIC)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain _____)

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 _____

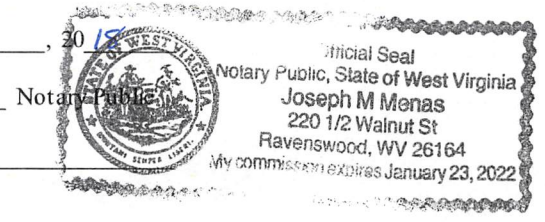
Company Official (Typed Name) RYAN E. M. CUNNINGHAM

Company Official Title PRESIDENT

Subscribed and sworn before me this 19th day of September, 2018

January 23, 2022

My commission expires January 23, 2022



Proposed Revegetation Treatment: Acres Disturbed 1.5 Prevegetation pH _____

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer type 10-10-20

Fertilizer amount 1/3 TON lbs/acre

Mulch HAY - 2 Tons/acre


Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
KY 31	40	ORCHID GRASS	15
ALSIKE CLOVER	5	ALSIKE CLOVER	5
ANNUAL RYE	15		

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: 

Comments: _____

Title: OPERATIONS MGR. inspector 006 Date: 9-18-18

Field Reviewed? () Yes () No

N/A

WW-9- GPP
Rev. 5/16

Page 1 of 2
API Number 47 - 15 - 02895
Operator's Well No. _____

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

Operator Name: CUNNINGHAM ENERGY, LLC
Watershed (HUC 10): TRIBUTARY OF WADE FORK Quad: ELKHURST 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.

NO PIT

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

NO PIT

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

NO PIT

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

NO PIT

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

N/A

NO PIT

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

NO PIT

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.

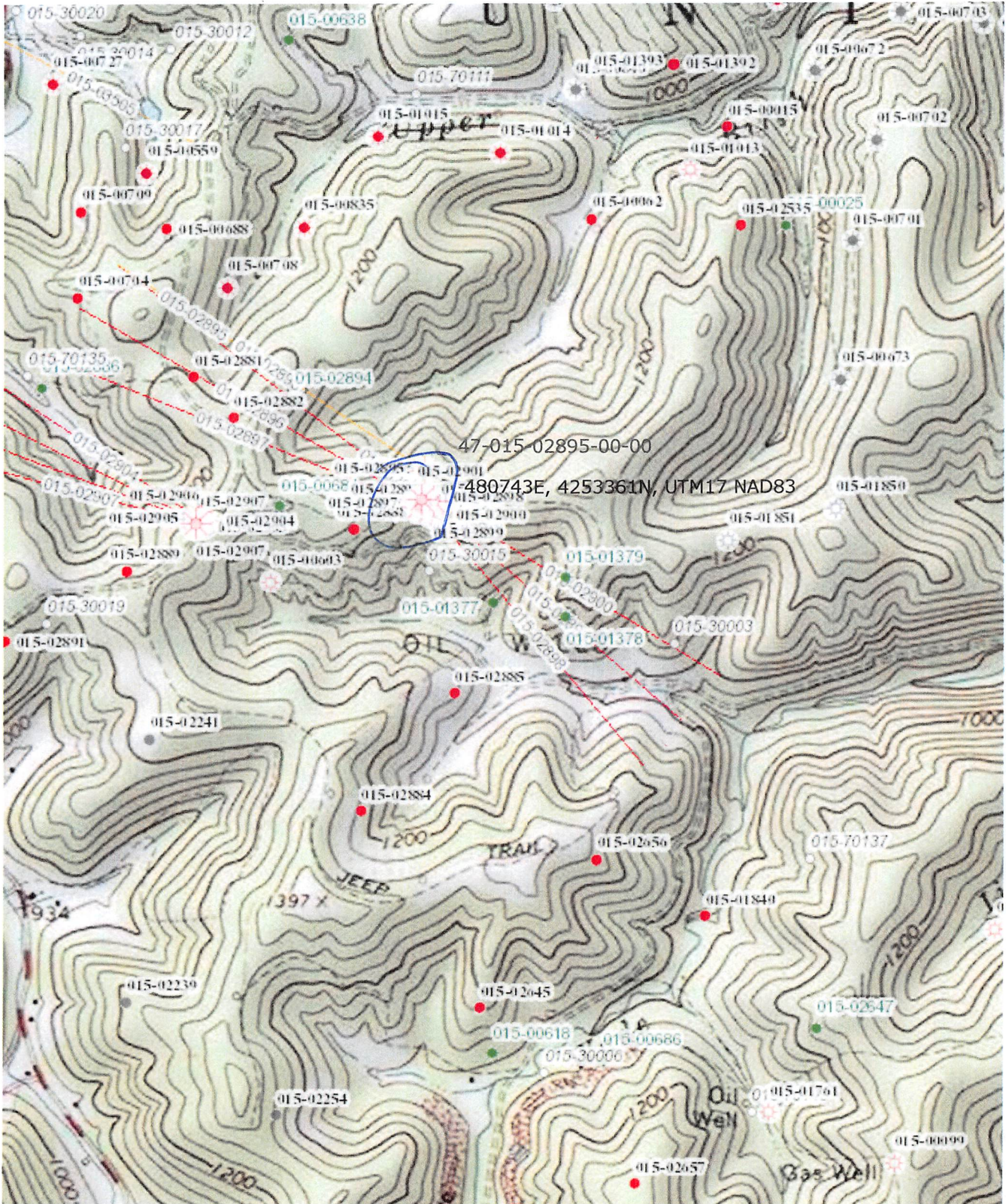
NO PIT

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

NO PIT

Signature: 

Date: 9/14/18



WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-01502895 WELL NO.: JS COCHRAN 6H

FARM NAME: CUNNINGHAM ENERGY, LLC

RESPONSIBLE PARTY NAME: CUNNINGHAM ENERGY, LLC

COUNTY: CLAY DISTRICT: UNION

QUADRANGLE: ELKHURST 7.5'

SURFACE OWNER: CUNNINGHAM ENERGY, LLC

ROYALTY OWNER: ALVIN ENGELKE, ET AL

UTM GPS NORTHING: 4253361

UTM GPS EASTING: 480743 GPS ELEVATION: 1215'

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.

D. [Signature]
Signature

OPERATIONS MGR.
Title

6/18/2018
Date