



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

Tuesday, March 31, 2020
WELL WORK PLUGGING PERMIT
Vertical Plugging

STREAM RESTORATION SPECIALISTS, LLC
407 HIGHWAY 2392

CORBIN, KY 40701

Re: Permit approval for 6
47-033-00702-00-00

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

A blue ink signature of James A. Martin, Chief, is written over the printed name and title.

Operator's Well Number: 6
Farm Name: BRANNON, M.
U.S. WELL NUMBER: 47-033-00702-00-00
Vertical Plugging
Date Issued: 3/31/2020

Promoting a healthy environment.

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.

WH-4B
Rev. 2/01

1) Date January 23, 2020
2) Operator's Well No. 6
3) API Well No. 47-33-00702

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 1160 Watershed West Fork
District Simpson County Harrison Quadrangle Philippi

6) Well Operator Stream Restoration Specialists 7) Designated Agent ___
Address 407 Highway 2392 Address ___
Corbin, Kentucky 40701

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Sam Ward Name Hydrocarbon Well Services, Inc.
Address PO Box 2327 Address PO Box 995
Buckhannon, WV 26201 Buckhannon, WV 26201

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

See Attached

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 1/24/2020

OK gmm 3/31/2020

PLUGGING PROGNOSIS

Brannon #6
 Api# 47-033-0072
 District, Simpson
 Harrison County, WV

BY: K Metz
 DATE: 1/14/20

CURRENT STATUS:

TD @ 4419'
 Elevation @ 1164.60'

11 3/4" casing @ 81' (CTS)
 8 5/8" casing @ 1272' (325 sks cement)
 4.5" casing @ 4405' (150 sks cement)

Fresh Water @ 35' & 120'
Saltwater @ None reported
Oil Show @ None reported
Gas shows @ 4294' - 4354'
Coal @ None reported

1. Notify inspector, Sam Ward, @ 304-389-7583, 24 hrs. prior to commencing operations.
2. *Note. If any casings without cement in the annulus cannot be retrieved, make sure to consult with Inspector, and to perforate all saltwater, freshwater, coal, oil & gas shows, and elevation in the well. Utilize 6% Giel spacers between all cement plugs.
3. TIH check TD @ or below 4354'
4. Pump 15 bbl. of 6% gelled H₂O, followed by a 200' cement plug, 4354' to 4154' (gas show).
5. Free point 4.5" casing, cut casing @ free point, TOOH casing.
6. Set 100' CIA cement plug 50' in/out of casing cut. Perforate all saltwater, freshwater, coal, oil and gas shows below cut. Do not omit any plugs.
7. TOOH to 1322', set 258' cement plug 1322' to 1064'. (8 5/8" casing seat and elevation).
8. TOOH hole to 200', set 200' cement plug 200' to surface'.
9. Reclaim location and road to WV-DEP specifications.
10. Erect monument with API#, date plugged.

SPW
 1/24/2020

OG-10
Rev. - 9-71



RECEIVED
SEP 27 1973

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Phillipi
Permit No. Har-702

Rotary Oil _____
Cable _____ Gas
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind) _____

Company <u>PATRICK PETROLEUM CORPORATION</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>901 Nelson Bldg.</u>				
Farm <u>Margaret Brannon</u> Acres <u>424</u>				
Location (waters) <u>Brushy Fork</u>	Size			
Well No. <u>6</u> Elev. <u>1164.60</u>	<u>20-16</u>			
District <u>Simpson</u> County <u>Harrison</u>	Cond.			
The surface of tract is owned in fee by <u>Margaret Brannon</u>	<u>13-10"</u>			
Address <u>Same</u>	<u>8 5/8</u>	<u>80.80</u>		<u>81' 100 sks</u>
Mineral rights are owned by <u>Same</u>	<u>7</u>	<u>1272</u>		<u>1272' 325 sks</u>
Address _____	<u>5 1/2</u>			
Drilling Commenced <u>6-19-73</u>	<u>4 1/2</u>	<u>4393.9</u>		<u>4394' 150 sks</u>
Drilling Completed <u>6-24-73</u>	<u>3</u>			
Initial open flow <u>118,000</u> cu. ft. <u>1 3/4</u> bbls.	<u>2</u>			
Final production <u>2,316,000</u> bbls. per day _____	Liners Used			
Well open <u>2 1/2</u> hrs. before test <u>1900</u> hrs.				

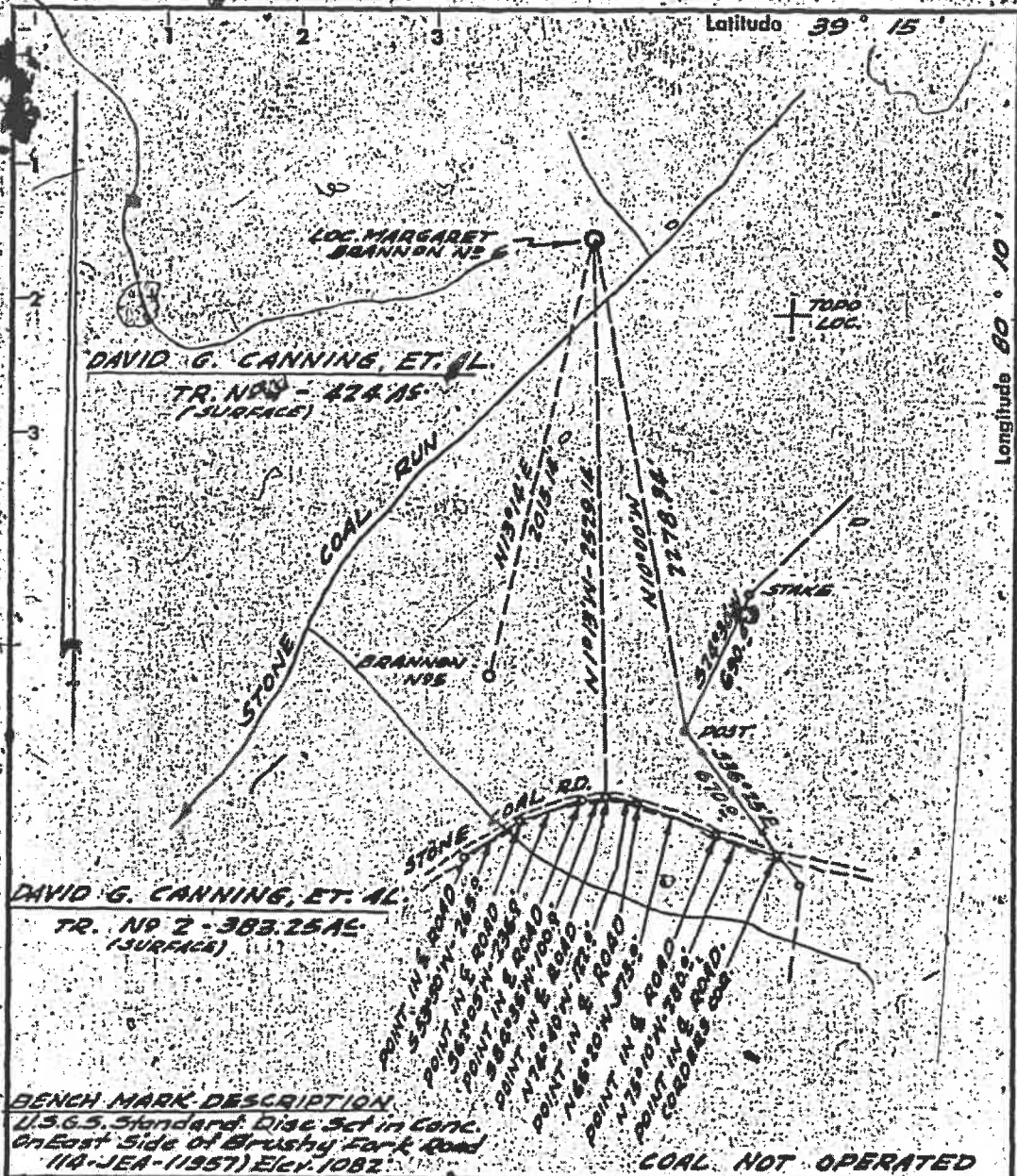
Well treatment details: W/750 gal req. 15% acid, 40,000 sd, Treatment water 640 bbls.

Coal was encountered at _____ Feet _____ Inches
Fresh water 35 & 120 Feet _____ Salt Water _____ Feet _____
Producing Sand Benson Depth 4294 4354

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Top			0	20		
Sh & SD			20	1360		Water 35' & 120
Lime			1382	1500		
Injun			1500	1556		
Sh & Sd			1556	1840		
Gantz & Fifty ft.			1840	1896		
SD & SH			1896	2222		
Fourth			2222	2300		
Shale			2300	2340		
Fifth			2340	2380		
Sd & SH			2380	3036		
Shale			3036	4294		
Benson			4294	4354		
Shale			4354	-----		
TD			-----	4419		

(over)
* Indicates Electric Log tops in the remarks section.

6/8/73 CEN



BENCH MARK DESCRIPTION
 U.S.G.S. Standard Disc Set in Conc.
 On East Side of Brushy Fork Road
 110-JEA-11957 Elev. 1082

COAL NOT OPERATED

Fracture Before 6/5/29 <input type="checkbox"/> New Location <input type="checkbox"/> Drill Deeper <input type="checkbox"/> Redrill <input type="checkbox"/> Abandonment <input type="checkbox"/>	I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief, and shows all the information required by Paragraph 5 of the Rules and Regulations of the Oil and Gas Section of the Mining Laws of West Virginia. The accuracy of this survey is within the limits and as prescribed in Paragraph 5 by the Oil and Gas Division of the Department of Mines Regulations.
Company PATRICK PETROLEUM CORP. Address CHARLESTON, W. VA. Farm MARGARET BRANNON Tract 1 Acres 424 Lease No. Well (Farm) No. 6 Serial No. Elevation (Spirit Level) 1164.60' Quadrangle PHILIPPI, W. VA. County HARRISON District SIMPSON Surveyor Jarvis A. Clendenen Surveyor Registration No. 259 File No. 4-19 Drawing No. Date MAY 14 '73 Scale 1"=600'	STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION CHARLESTON WELL LOCATION MAP FILE NO. HAR-702 † Denotes location of well on United States Topographic Maps, scale 1 to 62,500 latitude and longitude lines being represented by border lines as shown. - Denotes one inch spaces on border line of original tracing.

47033

WW-4A
Revised 6-07

1) Date: 1/23/2020
2) Operator's Well Number
6

3) API Well No.: 47 - 033 - 00702

**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>EIP III West Virginia LLC</u>	Name <u>Grafton Coal Company</u>
Address <u>PO Box 130339</u>	Address <u>Po Box 1050, Bridgeport WV 26330</u>
<u>Carlsbad, CA 92013</u>	
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
	Address _____
(c) Name _____	Name _____
Address _____	Address _____
6) Inspector <u>Sam Ward</u>	(c) Coal Lessee with Declaration
Address <u>PO Box 2327</u>	Name _____
<u>Buckhannon, WV 26201</u>	Address _____
Telephone <u>3043897583</u>	

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-413, 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 Stream Restoration Specialists, LLC
 By: [Signature]
 Its: Operations Manager
 Address 407 Highway 2392
Corbin, Ky 40701
 Telephone (606) 261-2104

Subscribed and sworn before me this 13th day of March, 2020
[Signature] Notary Public
 My Commission Expires 9/26/23



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.

SURFACE OWNER WAIVER

Operator's Well
Number

47-03300702

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,

Signature

Date

Name
By
Its


Nicholas Dilks
Manager

Date 3/2/20

Signature

Date

WW-4B

API No. 47-033-00702 P
Farm Name Burns
Well No. 6

**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

The undersigned coal operator ___/ owner X / 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: March 17, 2020

Grafton Coal Company
By: Garrett McBrayer
Its Secretary

WW-9
(5/16)

API Number 47 - 033 - 0007 702
Operator's Well No. 86

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

Operator Name Stream Restoration Specialists LLC OP Code _____
Watershed (HUC 10) West Fork Quadrangle Philippi

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: Disposed off site and contained in tanks

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 _____)

SDW
1/24/2020

Will closed loop system be 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. n/a

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.

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 Jon Evans

Company Official (Typed Name) Jon Evans

Company Official Title Operations Manager

Subscribed and sworn before me this 13th day of March, 20 20

Kelly Gregory
My commission expires 9/24/23 Notary Public



Form WW-9

Operator's Well No. 6

Proposed Revegetation Treatment: Acres Disturbed Less than 1 Prevegetation pH unknown

Lime 2-3 Tons/acre or to correct to pH _____

Fertilizer type 10-20-20 or equivalent

Fertilizer amount 400 lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Fescue	40	Fescue	40
Landino Clover	5	Landino Clover	5

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.

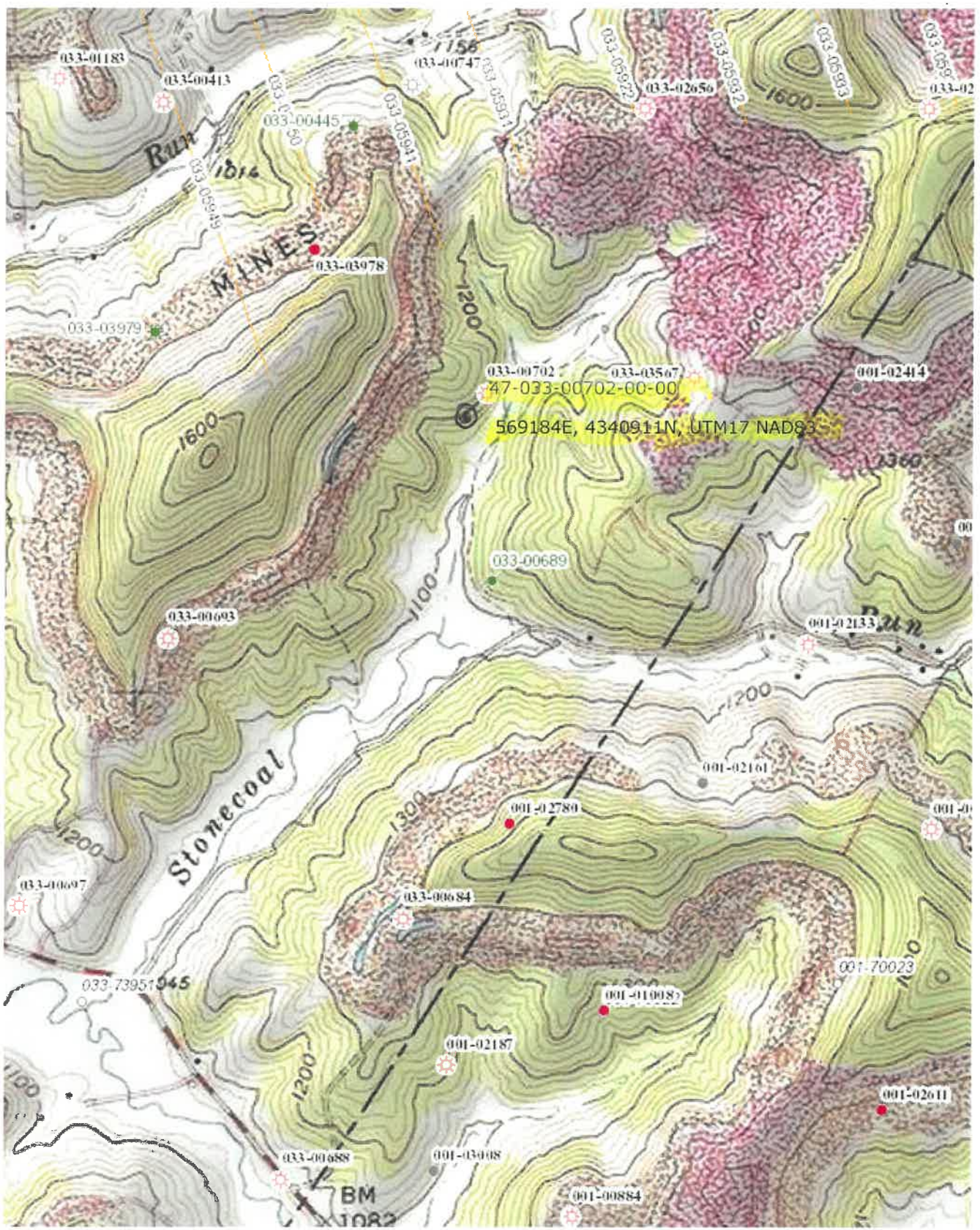
Plan Approved by: [Signature]

Comments: Not by inspector when reclamation is complete, for inspection + release

Title: COG Inspector Date: 1/24/2020

Field Reviewed? () Yes (X) No





WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

47-033-00702

6

API: _____ WELL NO.: _____

Brannon

FARM NAME: _____

Stream Restoration Specialists, LLC

RESPONSIBLE PARTY NAME: _____

Harrison

Simpson

COUNTY: _____ DISTRICT: _____

Philippi

QUADRANGLE: _____

EIP III West Virginia LLC

SURFACE OWNER: _____

EIP III West Virginia LLC

ROYALTY OWNER: _____

4340911

UTM GPS NORTHING: _____

569184

1164

UTM GPS EASTING: _____ GPS ELEVATION: _____

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.

John W. [Signature]
Signature

Operations Manager
Title

01/28/2020
Date

