



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 10, 2020
WELL WORK PLUGGING PERMIT
Vertical Plugging

ROSS AND WHARTON GAS COMPANY, INC.
RT. 5, BOX 29

BUCKHANNON, WV 262010000

Re: Permit approval for 8
47-007-00679-00-00

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: 8
Farm Name: BENDER, J.
U.S. WELL NUMBER: 47-007-00679-00-00
Vertical Plugging
Date Issued: 3/10/2020

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.

1) Date February 18, 2020
2) Operator's
Well No. Henry F. Bender #8
3) API Well No. 47-007 - 00679

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 X

5) Location: Elevation 1120' Watershed Trace Run
District Otter County Braxton Quadrangle Cedarville

6) Well Operator Ross & Wharton Gas Co. Inc. 7) Designated Agent Mike Ross
Address 354 Morton Ave. Address P.O. Box 219
Buckhannon, WV 26201 Coalton, WV 26257

8) Oil and Gas Inspector to be notified Name Danny Mullins 9) Plugging Contractor Name N/A
Address 220 Jack Acres Rd. Address _____
Buckhannon, WV 26201

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

Free point and recover casing's & tubular's

6% Gel between plug's

Set cement plug 1300' to TD (1678') Plug 100' above producing sand

Set 100' cement plug across casing cut

Set 100' cement plug 1050' to 1150' elevation plug, (salt bearing strata)

Set cement plug 625' to 725', (8" casing plug, freshwater protection plug)

★ Set plug ^{230'} 100' to surface Tag plug's as necessary, Set Monument with API number

10 3/4 SET @ 181', THEREFORE CEMENT FROM 50' BELOW 10 3/4" TO SURFACE

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3/19/2020
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Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector Danny Mullins Date 2-20-2020

Form OG-10



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage

Quadrangle Glenville S. E.

Permit No. BRA #679

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company JENNINGS PETROLEUM CORPORATION
Address KERMAC BLDG., OKLA. CITY, OKLA

Farm Henry F. Bender Acres 483

Location (waters) Trace Run

Well No. Eight (8) JB -3 Elev. 1120 VAS

District Otter County Braxton

The surface of tract is owned in fee by

Mineral rights are owned by See reverse

Drilling commenced September 7, 1967

Drilling completed October 2, 1967

Date Shot From To

With

Open Flow /10ths Water in Inch

/10ths Merc. in Inch

Volume N. T. Cu. Ft.

Rock Pressure N. T. lbs. hrs.

Oil bbls. 1st 24 hrs.

WELL ACIDIZED (DETAILS)

WELL FRACTURED (DETAILS) Natural 3,000,000

Could not get Pressure

RESULT AFTER TREATMENT (Initial open Flow or bbls.)

ROCK PRESSURE AFTER TREATMENT HOURS

Fresh Water Feet Salt Water Feet

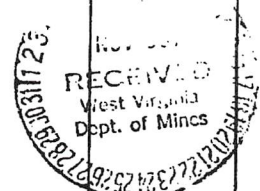
Producing Sand Rosedale Depth

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size	20	left	Kind of Packer
16	181	left	Size of
10 3/4	672	left	Depth set
8 5/8			
6 3/4			
5 3/16			
4 1/2			
3 1/2	1492	left	Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Attach copy of cementing record.
CASING CEMENTED SIZE No. Ft. Date
Amount of cement used (bags)
Name of Service Co.
COAL WAS ENCOUNTERED AT FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Soil			0	15			
Sand			15	45			
Red Rock			45	115			
Slate			115	140			
Red Rock			140	175			
Lime			175	195			
Slate & Shells			195	293			
Red Rock			293	336			
Slate			336	400			
Red Rock			400	423			
Slate			423	510			
Sand			510	550			
Slate & Shells			550	643			
Sand			643	675			
Slate			675	680			
Sand			680	775			
Slate & Shells			775	825			
Sand			825	865			
Slate			865	943			
Lime & Shells			943	1030			
Slate	Black		1030	1070			
Sand			1070	1167			
Slate			1167	1235			
Sand			1235	1350			
Slate			1350	1410			
Sand			1410	1500			
					Total Depth		

Hole full of water at 70



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Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Information received March 1968							
Deepened: Started drilling on December 15, 1967 Stopped December 18, 1967							
Sand			1500	1525			
Slate			1525	1605			
Sand	Maxton		1605	1678			
			T. D.	1678			
	8" Pipe		678 feet				
	1" Pipe		1471 feet				
Could not take rock pressure: 8" pipe not cemented in Results: 800,000 C. F.							
March 20 1968							
<i>Jennings Petroleum Corporation</i> JENNINGS PETROLEUM CORPORATION (N.C.)							
royalty:	Mrs. Erma Smith, 1405, Seminole Trail, Waycross, Georgia Mrs. Merle Yerkey, 119 Fayette Street, Buckhannon, W. Va Wm. Carl Engle, Gassaway, West Virginia Dana S. Engle, Gassaway, West Virginia						

With Drilling out of
 Environmental Protection

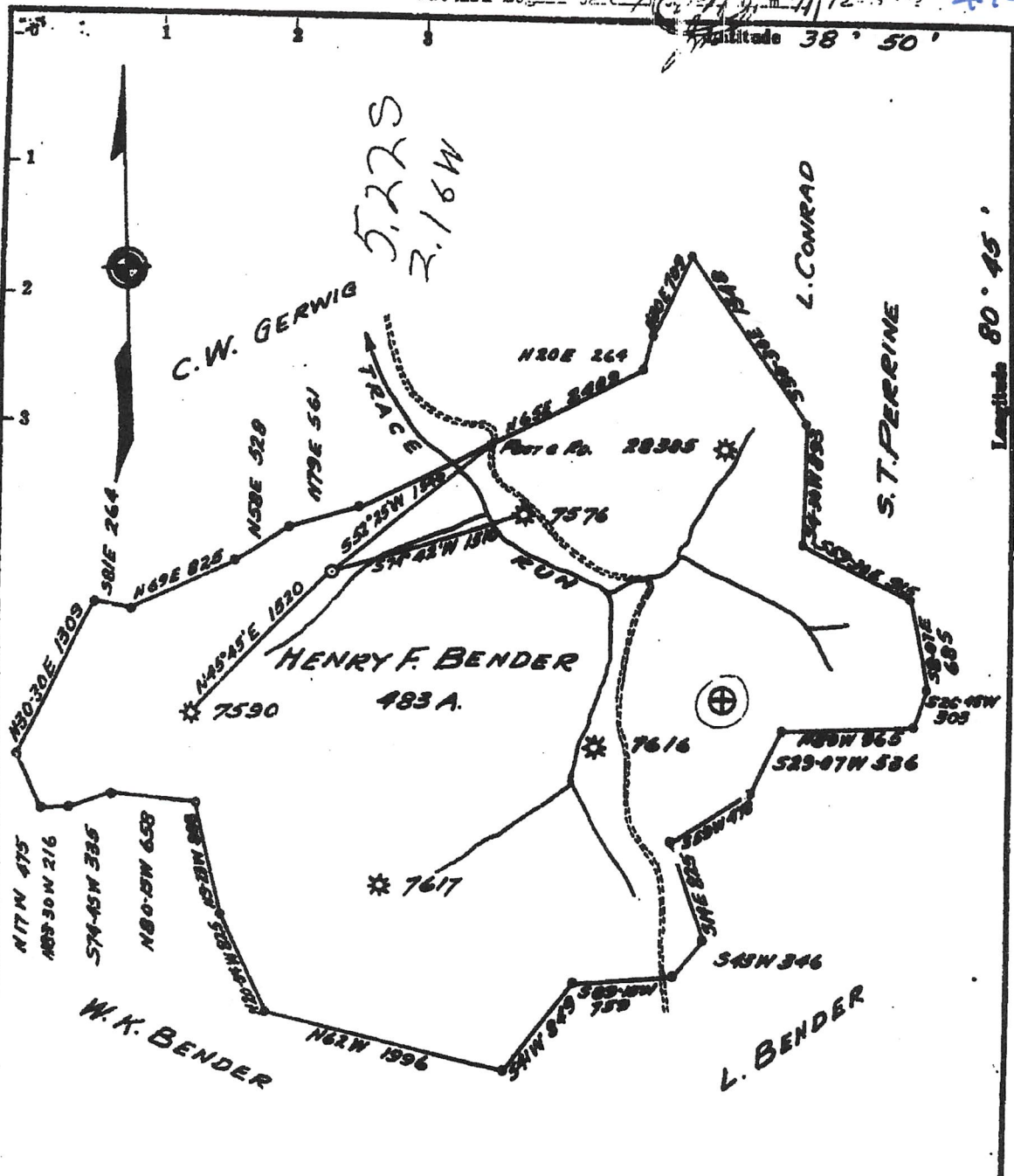
PROVIDED
 by the Oil and Gas
 ADMINISTRATION

Date: October 20 1967
 APPROVED: *Jennings Petroleum Corporation*
JENNINGS PETROLEUM CORPORATION
 By: *A. M. ...*
 VICE PRESIDENT

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Royalty: Mrs. Erma Smith, 1405, Seminole Trail, Waycross, Georgia Mrs. Merle Yerkey, 119 Fayette Street, Buckhannon, W. Va Wm. Carl Engle, Gassaway, West Virginia Dana S. Engle, Gassaway, West Virginia							

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 WITH OIL AND GAS
 DIVISION
 OCT 22 1967
 W/D. J. [unclear]
 ENVIRONMENTAL DIVISION

Date October 20, 1967
Jennings Petroleum Corporation
 APPROVED JENNINGS PETROLEUM CORPORATION
A. M. van Elck
 By A. M. van ELCK, ADM/ENG (M-1)
 (Title)



Fracture...
 Redrill...
 New Location...
 Drill Deeper...
 Abandonment...

Source of Elevation EQUITABLE GAS CO. WELL No. 7576

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 6 of the rules and regulations governing the location of oil and gas sections of the mining laws of West Virginia.

Minimum accuracy, one part in 200

Company JENNINGS PETROLEUM CORP
 Address 224 N. MAIN BANK BLDG. OKLAHOMA CITY
 Farm HENRY F. BENDER
 Tract _____ Acres 483 Lease No. 21855
 Well (Farm) No. 8 Serial No. JB-3
 Elevation (Spirit Level) 1120 VA
 Quadrangle GLENVILLE SE 42
 County BRAXTON District OTTER
 Engineer J. A. Till
 Engineer's Registration No. 2886
 File No. 6066 Drawing No. _____
 Date Nov 26, 1966 Scale 1" = 1000'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. 6066-699 AD

+ 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.

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 WV Department of Environmental Protection

WW-4A
Revised 6-07

1) Date: February 18, 2020
2) Operator's Well Number
Henry F. Bender #8

3) API Well No.: 47 - 007 - 00679

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>Wetzel McCoy and/or Linda & Michael</u>	Name <u>N/A</u>
Address <u>948 Trace Run</u>	Address _____
<u>Gassaway, WV 26624</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>N/A</u>
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
6) Inspector <u>Danny Mullins</u>	(c) Coal Lessee with Declaration
Address <u>220 Jack Acres</u>	Name <u>N/A</u>
<u>Buckhannon, WV 26201</u>	Address _____
Telephone <u>1-304-932-6844</u>	_____

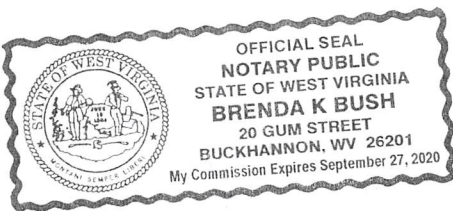
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TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

- (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 Ross & Wharton Gas Co. Inc.
 By: [Signature]
 Its: President
 Address 354 Morton Ave.
Buckhannon, WV 26201
 Telephone 1-304-472-4289

Subscribed and sworn before me this 20th day of February 2020
[Signature] Notary Public
 My Commission Expires September 27, 2020

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 depprivacyoffier@wv.gov.

WW-9
(5/16)

API Number 47 - 007 - 00679
Operator's Well No. _____

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

Operator Name Ross & Wharton Gas Co. Inc. OP Code 306580

Watershed (HUC 10) Trace Run Quadrangle Cedarville

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

WELL EFFLUENT WILL BE CONTAINED IN TANKS BEFORE DISPOSING OFF SITE. gww

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 _____)

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? _____

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Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. _____

MAR 02 2020

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

WV Department of Environmental Protection

-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 Mike Ross

Company Official (Typed Name) Mike Ross

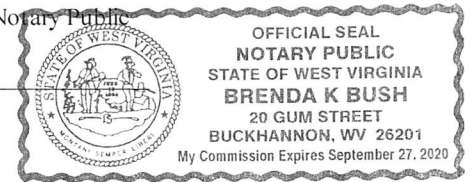
Company Official Title President

Subscribed and sworn before me this 20th day of February, 2020

Brenda K Bush

Notary Public

My commission expires September 27, 2020



Proposed Revegetation Treatment: Acres Disturbed 1 Prevegetation pH 6.5

Lime 2 Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20

Fertilizer amount _____ lbs/acre

Mulch Hay Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
<u>Fescue</u>	<u>30</u>	<u>Fescue</u>	<u>30</u>
<u>Contractor's Mix</u>		<u>Contractor's Mix</u>	
_____		_____	

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: Doug Miller

Comments: _____

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Environmental Protection

Title: OOI Inspector

Date: 2-20-2020

Field Reviewed? () Yes

() No

N/A

WW-9- GPP
Rev. 5/16

Page 1 of 2
API Number 47 - 007 - 00679
Operator's Well No. _____

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

Operator Name: Ross & Wharton Gas Co. Inc.

Watershed (HUC 10): Trace Run Quad: Cedarville

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.

N/A

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

N/A

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

Trace Run

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

N/A

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

N/A

N/A

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

No material will be used

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.

N/A

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

N/A

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Signature:

Mike Ross

Date:

February 20, 2020

47-007-00679 P



WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-007-00679 WELL NO.: 8

FARM NAME: Henry F. Bender

RESPONSIBLE PARTY NAME: Mike Ross

COUNTY: Braxton DISTRICT: Otter

QUADRANGLE: Cedarville

SURFACE OWNER: Wetzel McCoy and/or Linda & Michael

ROYALTY OWNER: _____

UTM GPS NORTHING: 4290049.3

UTM GPS EASTING: 518333.0 GPS ELEVATION: 1120'

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.

President

Signature

Title

Feb. 20, 2020

Date

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