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west virginia department of environmental protection

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

Austin Caperton, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Wednesday, October 9, 2019  
WELL WORK PLUGGING PERMIT  
Vertical Plugging

BRAXTON OIL AND GAS CORP.  
P. O. BOX 219

COALTON, WV 262570219

Re: Permit approval for B-238  
47-033-02081-00-00

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: B-238  
Farm Name: BOWYER, WILLIAM W.  
U.S. WELL NUMBER: 47-033-02081-00-00  
Vertical Plugging  
Date Issued: 10/9/2019

# 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

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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.

1) Date July 31, 2019  
2) Operator's  
Well No. William Bowyer #B-238  
3) API Well No. 47-033-02081 P

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 1213' Watershed Isaacs Creek  
District Union County Harrison Quadrangle Big Isaac

6) Well Operator Braxton Oil & Gas Corp. 7) Designated Agent Mike Ross  
Address 354 Morton Avenue Address P.O. Box 219  
Buckhannon, WV 26201 Coalton, WV 26257

8) Oil and Gas Inspector to be notified Name Sam Ward  
Address P.O. Box 2327  
Buckhannon, WV 26201  
9) Plugging Contractor Name N/A  
Address \_\_\_\_\_

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 PBD ≈ 4740'

Set cement plug 4550' to TD (4864')

Set cement plug 3250' to 3650'

Set 100' cement plug across casing cut,

Set cement plug 2550' to 2650' 5th Sand gas show

Set cement plug 1700' to 1800' Set cement plug 900' to 1250' elevation plug and 8 5/8 casing plug

Set cement plug 150' to surface, groundwater protection plug, and surface plug. Tag plug's as necessary, Set monument with API number

RECEIVED  
Office of Oil and Gas

OCT 04 2019  
WV Department of  
Environmental Protection

*OK JWM*

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

Work order approved by inspector \_\_\_\_\_ Date \_\_\_\_\_

WW-4A  
Revised 6-07

1) Date: July 31, 2019  
2) Operator's Well Number  
William Bowyer #B-238  
3) API Well No.: 47 - 033 - 02081

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

<b>4) Surface Owner(s) to be served:</b>	<b>5) (a) Coal Operator</b>
(a) Name <u>William and Doris Bowyer</u>	Name _____
Address <u>1748 Dillion Hollow Rd.</u>	Address _____
<u>Lost Creek, WV 26385</u>	_____
(b) Name _____	<b>(b) Coal Owner(s) with Declaration</b>
Address _____	Name <u>N/A</u>
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
<b>6) Inspector</b>	<b>(c) Coal Lessee with Declaration</b>
Name <u>Sam Ward</u>	Name <u>N/A</u>
Address <u>P.O. Box 2327</u>	Address _____
<u>Buckhannon, WV 26201</u>	_____
Telephone <u>304-389-7583</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-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.

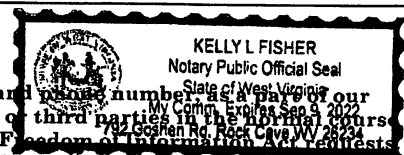
Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental 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 Braxton Oil & Gas Corp.  
 By: Mike Ross  
 Its: President  
 Address 354 Morton Ave.  
Buckhannon, WV 26201  
 Telephone 304-472-4289

Subscribed and sworn before me this 5<sup>th</sup> day of August, 2019  
Kelly L. Fisher  
 My Commission Expires September 9, 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](mailto:depprivacyofficer@wv.gov).





RECEIVED

JUL 27 1979

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
Oil and Gas Division

OIL & GAS DIVISION  
DEPT. OF MINES

WELL RECORD

Quadrangle VADIS  
Permit No. HAR-2081

Rotary xx Oil \_\_\_\_\_  
Cable \_\_\_\_\_ Gas xx \_\_\_\_\_  
Recycling \_\_\_\_\_ Comb. \_\_\_\_\_  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ (Kind)

J & J Enterprises, Inc.  
Company c/o Berry Energy Consultants, Inc  
Address Clarksburg, W. Va.  
Farm William W. Boyxer Acres 80  
Location (waters) Isaacs Creek  
Well No. B-238 Elev. 1213'  
District Union County Harrison  
The surface of tract is owned in fee by William R. Boyxer  
Address 17990 Rt. #45, Wellsville, OH  
Mineral rights are owned by Same as surface  
Address \_\_\_\_\_  
Drilling Commenced 5-30-79  
Drilling Completed 6-6-79  
Initial open flow 189 M cu. ft. \_\_\_\_\_ bbls.  
Final production 2,000 Mcu. ft. per day \_\_\_\_\_ bbls.  
Well open 4 hrs. before test 1700# RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu ft. (Sks.)
Size 20-16			
Cond. <u>11-3/4</u>	<u>30'</u>	<u>30'</u>	To surface
<del>9 5/8</del>			
8 5/8	<u>1007'</u>	<u>1007'</u>	To surface
7			
5 1/2			
4 1/2	<u>4785'</u>	<u>4785'</u>	335 sks
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

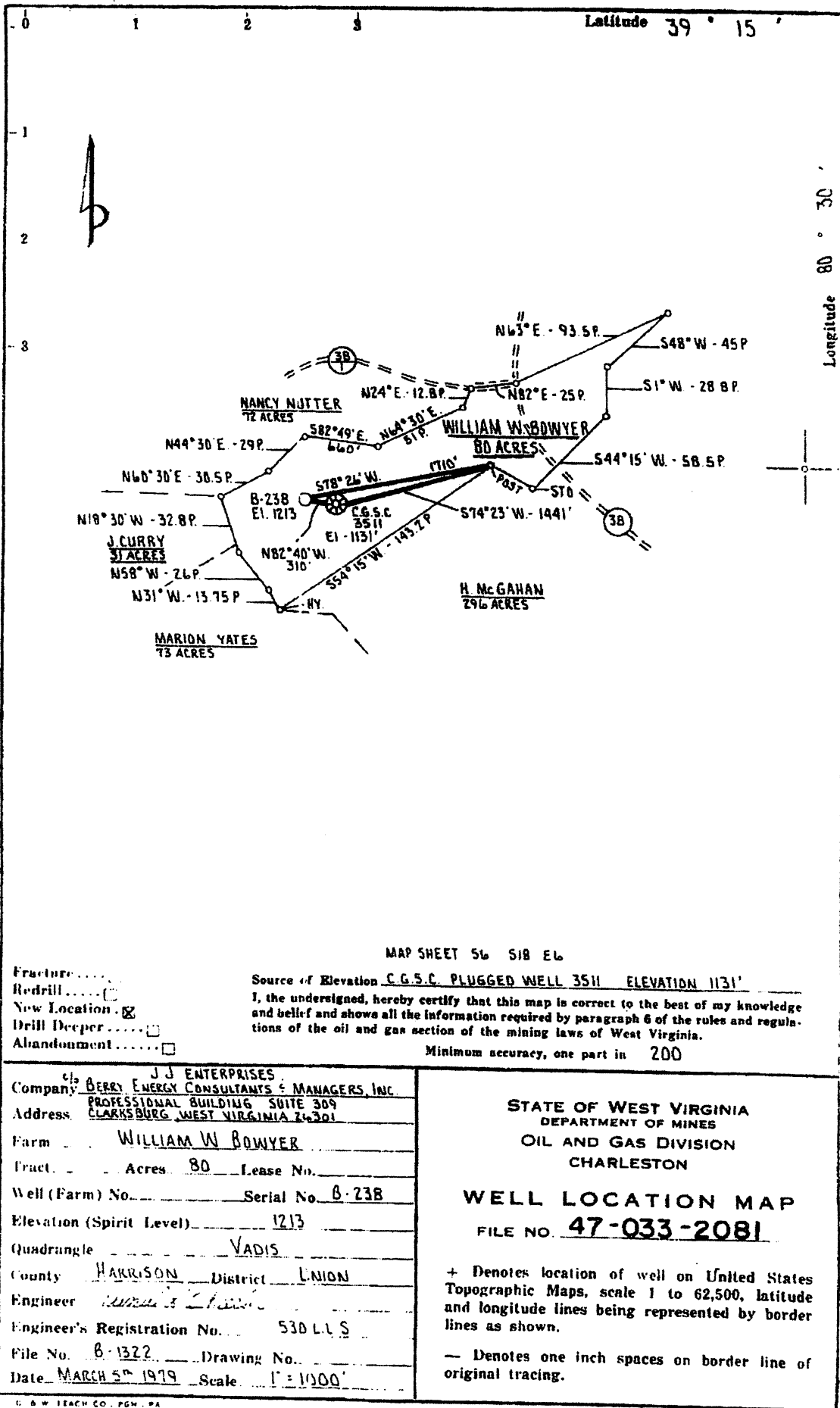
Treated in Benson with 45,000# sand, 450 bbl water and 500 gal 15% acid  
Perforations: 4680-4684' with 14 holes  
Treated in Balltown with 60,000# sand, 686 bbl water and 500 gal acid  
Perforations: 3501-3628' with 12 holes  
Treated in Speechley with 30,000# sand, 464 bbl water and 500 gal acid  
Perforations: 3360-64' with 12 holes

Coal was encountered at 25' 64.2' 74.5' 36" 36" 36" inches  
Fresh water 25' 110' Feet \_\_\_\_\_ Salt Water 1215' Feet \_\_\_\_\_  
Producing Sand Benson, Balltown & Speechley Depth See perms

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand & Shale			0	25		
Coal			25	28	Water	25'
Sand & Shale			28	64.2		
Coal			64.2	64.5	Water	110'
Sand & Shale			64.5	74.5		
Coal			74.5	74.8		
Sand & Shale			74.8	1705		
Big Lime			1705	1705	Water	1215'
Big Injun						
Sand & Shale				1886		
Fifth Sand			1886	2610		
Sand & Shale			2610	2630		
Speechley			2630	3300		
Balltown			3300	3390		
Sand & Shale			3360	3680		3360-3364 Gas
Benson			3680	4680		3501-3628' Gas
Sand & Shale			4680	4700		Gas 4680-84'
Sand & Shale			4700	4864		
Total Depth				4864'		

J & J Enterprises, Inc.  
c/o Berry Energy Consultants, Inc.  
308-309 Professional Building  
Clarksburg, WV

\* Indicates Electric Log tops in the remarks column



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

MAP SHEET 56 S18 E6  
 Source of Elevation C.G.S.C. PLUGGED WELL 3511 ELEVATION 1131'  
 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 of the oil and gas section of the mining laws of West Virginia.  
 Minimum accuracy, one part in 200

J J ENTERPRISES  
 Company: BERRY ENERGY CONSULTANTS & MANAGERS, INC.  
 Address: PROFESSIONAL BUILDING SUITE 309 CLARKSBURG, WEST VIRGINIA 26301  
 Farm: WILLIAM W BOWYER  
 Tract: \_\_\_\_\_ Acres 80 Lease No. \_\_\_\_\_  
 Well (Farm) No. \_\_\_\_\_ Serial No. B-238  
 Elevation (Spirit Level) 1213  
 Quadrangle VADIS  
 County HARRISON District LINION  
 Engineer James S. L. Smith  
 Engineer's Registration No. 530 L.L.S.  
 File No. B-1322 Drawing No. \_\_\_\_\_  
 Date MARCH 5<sup>th</sup> 1979 Scale 1" = 1000'

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

**WELL LOCATION MAP**  
 FILE NO. 47-033-2081

+ 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.

WW-9  
(5/16)

API Number 47 - 033 - 02081  
Operator's Well No. \_\_\_\_\_

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

Operator Name Braxton Oil & Gas Corp. OP Code 306085  
Watershed (HUC 10) Isaac's Creek Quadrangle Big Isaac

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

ANY WELL EFFLUENT WILL BE CONTAINED IN TANKS AND DISPOSED OF OFFSITE PROPERLY.

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? \_\_\_\_\_

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 Mike Ross

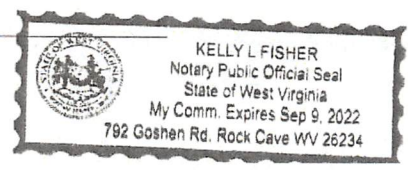
Company Official (Typed Name) Mike Ross

Company Official Title President

Subscribed and sworn before me this 5<sup>th</sup> day of August, 2019

Kelly L Fisher Notary Public

My commission expires September 9, 2022



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

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 500 lbs/acre

Mulch Hay Tons/acre

**Seed Mixtures**

<b>Temporary</b>		<b>Permanent</b>	
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: \_\_\_\_\_

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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

Field Reviewed? ( ) Yes ( ) No



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

Operator Name: Braxton Oil & Gas Corp.

Watershed (HUC 10): Isaac's Creek Quad: Big Isaac

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.

Isaac's Creek

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

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.

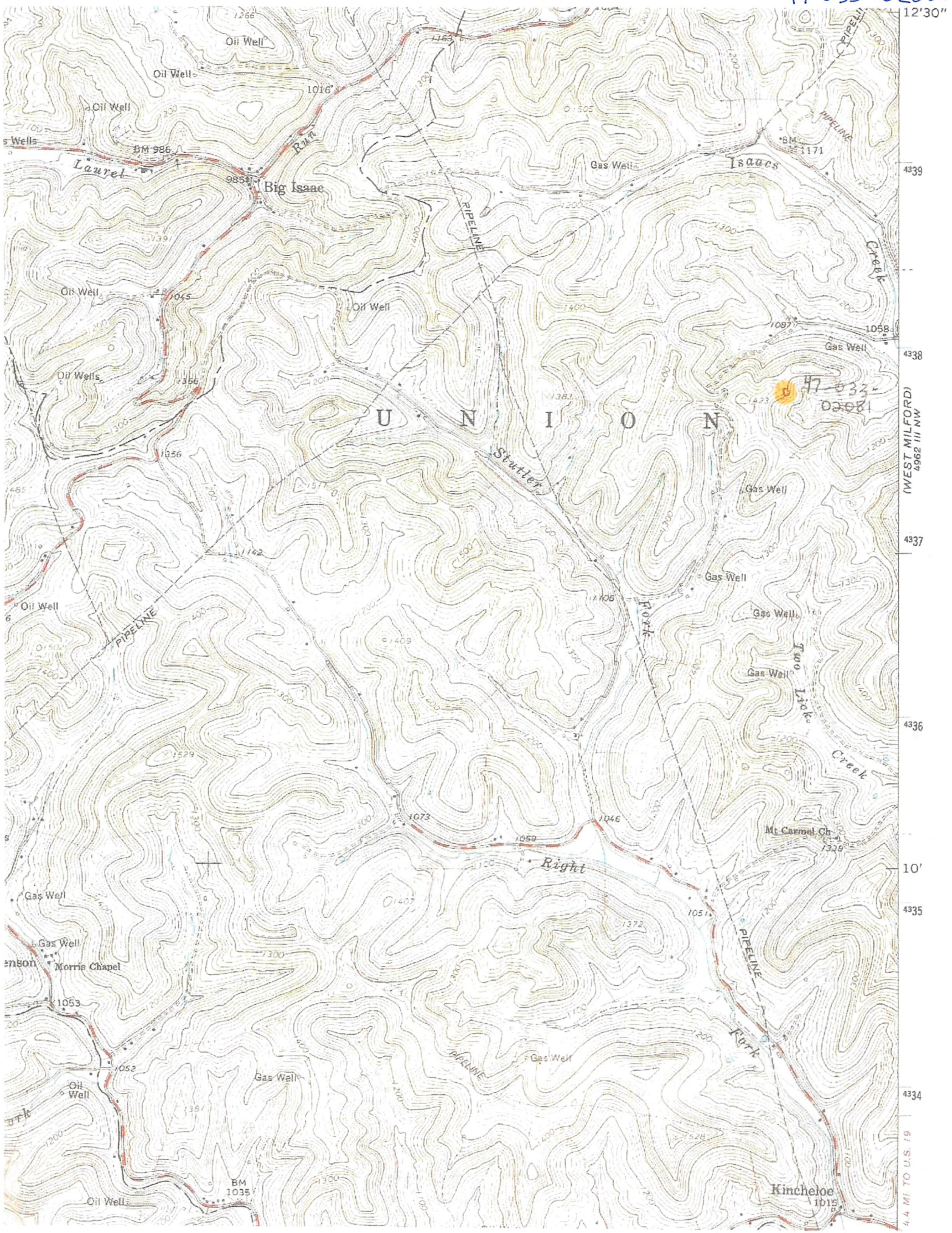
N/A

Signature: Mike Ross

Date: 8-1-19

47-033-02081P

12'30"



WEST MILFORD  
4962 III NW

4337

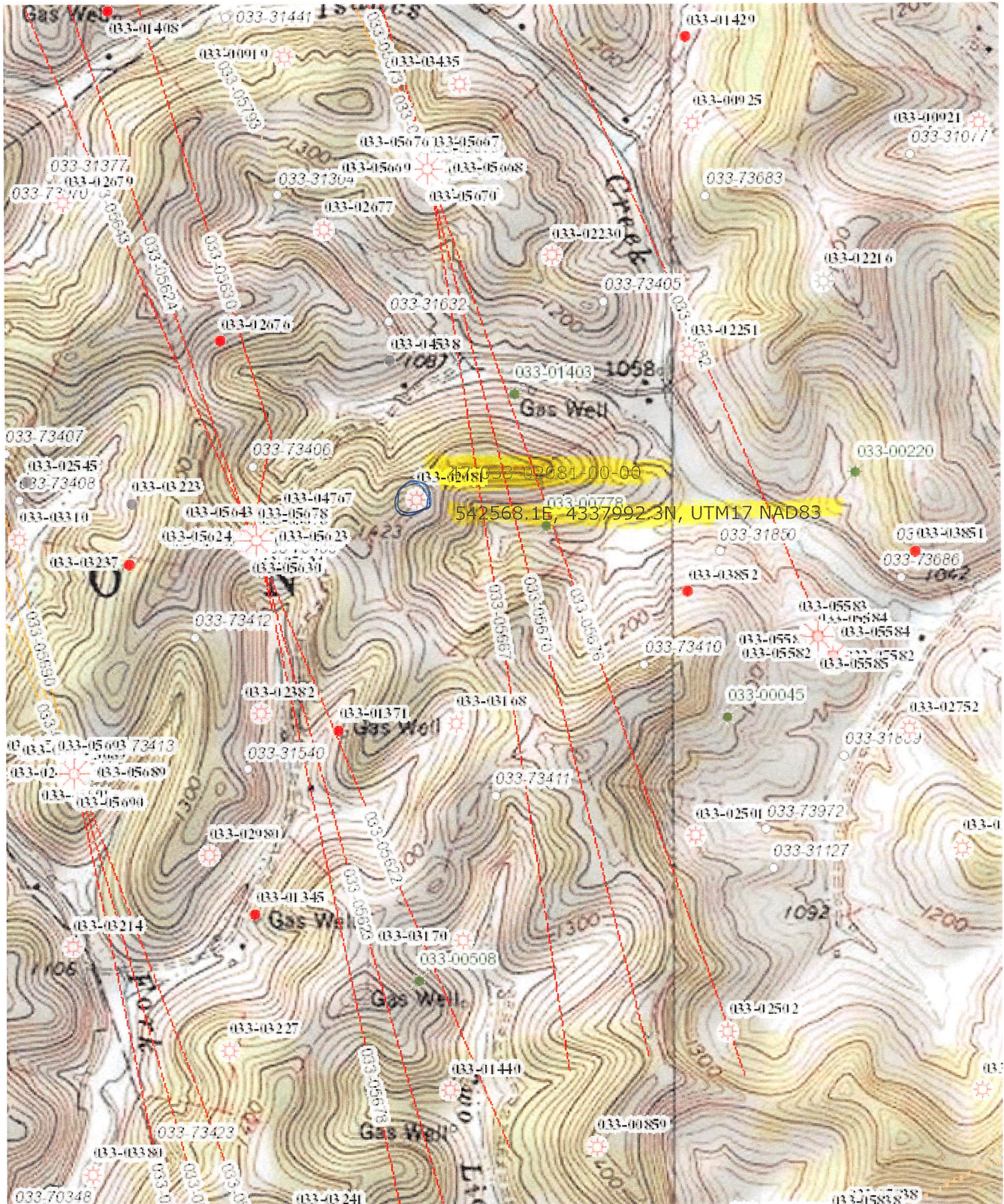
4336

10'

4335

4334

4.4 MI TO U.S. 19



WW-7  
8-30-06



West Virginia Department of Environmental Protection  
Office of Oil and Gas

**WELL LOCATION FORM: GPS**

API: 47-033-02081 WELL NO.: B-238

FARM NAME: William Bowyer

RESPONSIBLE PARTY NAME: Mike Ross

COUNTY: Harrison DISTRICT: Union

QUADRANGLE: Big Isaac

SURFACE OWNER: William and Doris Bowyer

ROYALTY OWNER: William and Doris Bowyer

UTM GPS NORTHING: 4337992.3

UTM GPS EASTING: 542568.1 GPS ELEVATION: 1213'

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.

*Mike Ross*  
Signature

President  
Title

8-5-19  
Date