



 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

Monday, April 22, 2019

WELL WORK PLUGGING PERMIT
 Vertical Plugging

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

COALTON, WV 262570219


Re: Permit approval for 1
 47-021-03706-00-00

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: 1
 Farm Name: MARVIN & SHARON BRANN
 U.S. WELL NUMBER: 47-021-03706-00-00
 Vertical Plugging
 Date Issued: 4/22/2019

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.
4. This well is under a consent order and must be plugged under the terms of that agreement.

47-021-03706P

04/26/2019

WW-4B
Rev. 2/01

1) Date February 20, 2018
2) Operator's
Well No. A.N. Bailey 1#1
3) API Well No. 47-021 - 03706

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 1214' Watershed Cedar Creek
District Center County Gilmer Quadrangle Cedarville

6) Well Operator Braxton Oil & Gas Corp. 7) Designated Agent Mike Ross
Address P.O. Box 219 Address P.O. Box 219
Coalton, WV 26257 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 2050' to TD (2423') Plug 100' above top perf

Set cement plug 1450' to 1550'

Set 100' cement plug 1150' to 1250' (salt bearing strata, elevation plug)

Set cement plug 300' to surface, (8" casing plug, freshwater protection plug

and surface plug) Tag plug's as necessary, Set Monument with API number

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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 2-25-19



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division
WELL RECORD

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JAN 30 1981

OIL & GAS DIVISION
DEPT. OF MINES

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

Quadrangle Cedarville 7.5
Permit No. 47-021-3706

Company United Petro, Ltd.
Address Box 367, Spencer, W. Va.
(A. N. Bailey)
Farm Lee Burton Lynch Acres _____
Location (waters) Cedar Creek
Well No. 1 Elev. 1222KB
District Center County Gilmer
The surface of tract is owned in fee by Lee Burton Lynch
Address Mortcoal, W. Va.
Mineral rights are owned by Lee Burton Lynch
Pennzoil Address A. A. & Parkersburg, W. Va.
Drilling Commenced 12/10/80
Drilling Completed 12/13/80
Initial open flow Slow cu. ft. _____ bbls.
Final production 150,000 cu. ft. per day _____ bbls.
Well open 4 hrs. before test 520 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"			
9 5/8			
8 5/8	258	258	to Surface
7			
5 1/2			
4 1/2	2359	2359	100 Cub. Ft.
3			
2			
Liners Used			

DM

Well treatment details:

Attach copy of cementing record.

Perforated Big Injun - 2314 - 2321; 6 holes
Perforated Blue Monday 2153 - 2157; 6 holes
Fractured w/ 1,000 gal. Acid; 15000 lbs. 80/100 Sand
45,000 lbs 20/40 sand; 600 bbl Water

Coal was encountered at None Feet _____ Inches _____
Fresh water 160 Feet _____ Salt Water 1380 Feet _____
Producing Sand Big Injun; Blue Monday Depth 2305; 2151

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Soil			0	8		Drilled w/Rotary Fluid
Shale			8	22		Log Tops from 1400 to TD
Sand			22	35		
Shale			35	150		
Sand			150	185		
Shale, Sand, Red Rock			185	1350		
Sand			1350	1412		
Shale w/Sand Stringers			1412	1468		
Sand			1468	1518		
Shale			1518	1614		
Sand			1614	1630		
Sand			1630	1644		
Sand			1644	1670		
Shale			1670	1803		
Sand			1803	1844		
Shale			1844	1952		
Sand			1952	1964		

* Indicator Electric Log (see in the company report) (over)

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Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Shale			1964	1994		
Sand			1994	2064		
Shale			2064	2106		
Limestone			2106	2151		
Blue Monday			2151	2158		
Big Lime			2158	2305		
Big Injun			2305	2314		
Shale			2314	2423		
			2423 Total		Depth	

Date January 28 19 81

APPROVED William D. Hunt Owner

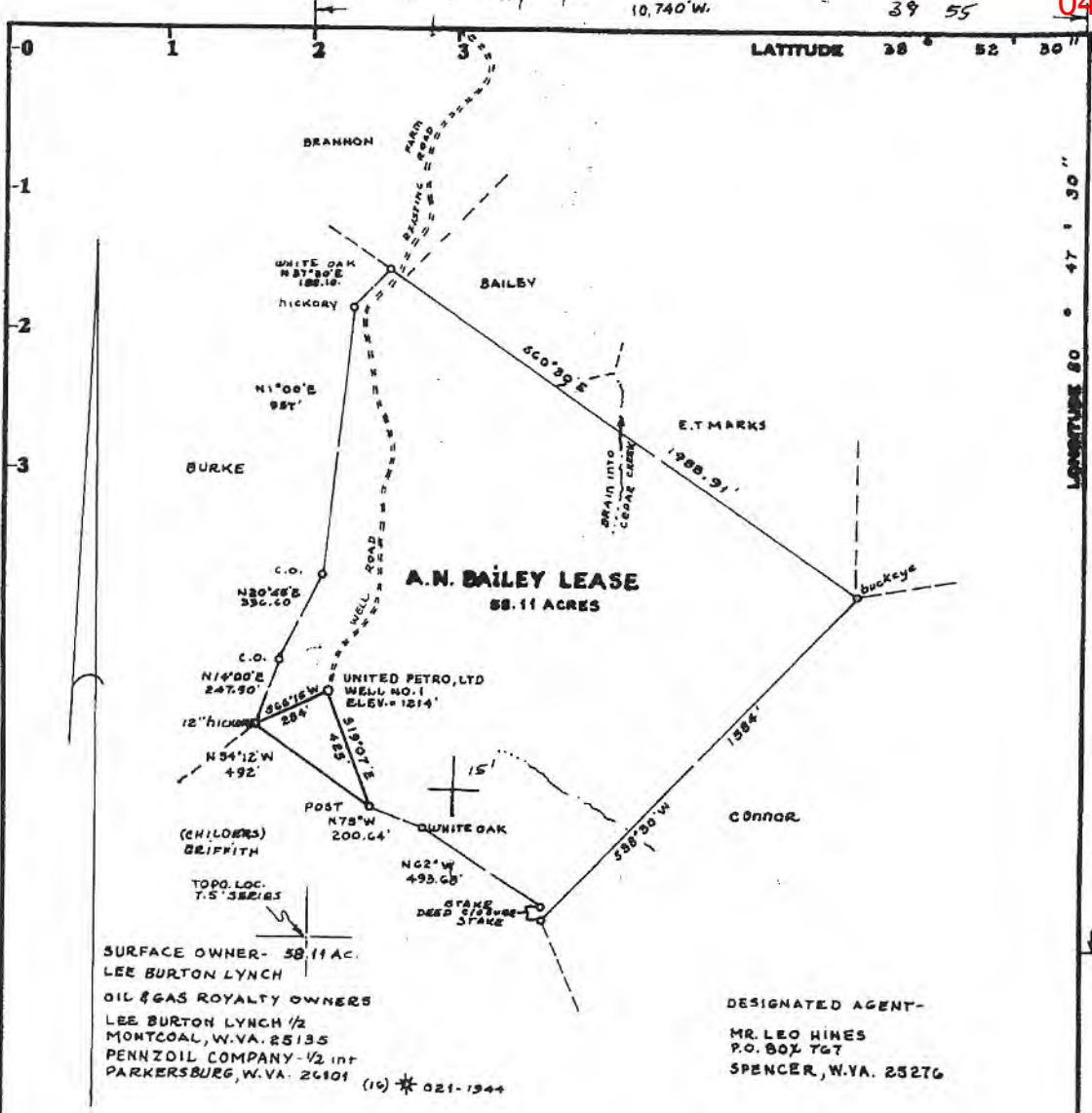
By President

(T.M.)

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SURFACE OWNER - 58.11 AC.
LEE BURTON LYNCH
OIL & GAS ROYALTY OWNERS
 LEE BURTON LYNCH 1/2
 MONTCOAL, W.VA. 25135
 PENNZOIL COMPANY - 1/2 INT
 PARKERSBURG, W.VA. 26101

DESIGNATED AGENT -
MR. LEO HINES
 P.O. BOX 767
 SPENCER, W.VA. 25276

Minimum Error of Closure ONE PART IN 200

Source of Elevation TOP OF KNOB 1800'S WEST OF LOCATION -

ELEVATION = 1214'

Fracture..... GAS-DRILL-SHALLOW
 New Location..... BIG INJUN-TF
 EST. DEPTH = 2021'
 Drill Deeper.....
 Abandonment.....

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.

Signed: Mark C. Echard
 Squares: N S E W

Map No. _____

WELL OPERATOR/
 Company UNITED PETRO, LTD.
 P.O. BOX 767
 Address SPENCER, W.VA. 25276
 Farm A.N. BAILEY LEASE
 Tract _____ Acres 58.11 Lease No. _____
 Well (Farm No. 00E Serial No. _____
 Elevation (Sp. L. Level) 1214'
 Quadrangle CEDARVILLE 7.5'
 County GILMER District CENTER
 Surveyor MARK C. ECHARD
 Surveyor's Registration No. 490
 File No. _____ Drawing No. _____
 Date NOVEMBER 2, 1979 Scale 1" = 500'

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

WELL LOCATION MAP
 47-021-
 FILE NO. 21-3706

+ Denotes location of well on United States Topographic Maps, scale 1 to 24,000, 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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WW-4A
Revised 6-07

1) Date: February 20, 2019
2) Operator's Well Number
A.N. Bailey
3) API Well No.: 47 - 021 - 03706

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: (a) Name Marvin Brannon, Sharon Brannon or (b) Name Cedarville, WV 26611 (c) Name Address Danny Mullins 220 Jack Acres Rd. Buckhannon, WV 26201 Telephone 1-304-932-6844 5) (a) Coal Operator Name N/A Address (b) Coal Owner(s) with Declaration Name N/A Address (c) Coal Lessee with Declaration Name N/A 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.

Well Operator Braxton Oil & Gas Corp. By: [Signature] President Address P.O. Box 219 Coalton, WV 26257 Telephone 1-304-472-4289 RECEIVED Office of Oil and Gas MAR 01 2019 WV Department of Environmental Protection

Subscribed and sworn before me this 21st day of February, 2019 [Signature] Notary Public My Commission Expires September 9, 2022

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.



47-021-03706 P
04/26/2019

WW-9
(5/16)

API Number 47 - 021 - 03706
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) Cedar Creek 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

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

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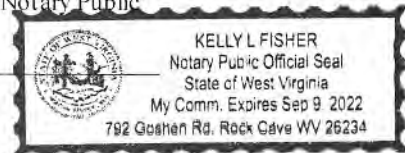
Subscribed and sworn before me this 21st day of February, 2019

Kelly L. Fisher

Notary Public

My commission expires September 9, 2022

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Environmental Protection



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

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Fescue	30	Fescue	30
Contractor's Mix		Contractor's 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: *[Signature]*

Comments: _____

Title: OOO Inspector

Date: 2-25-19

Field Reviewed? () Yes () No

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04/26/2019

WW-9- GPP
Rev. 5/16

Page 1 of 2
API Number 47 - 021 - 03706 Bailey #1
Operator's Well 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): Cedar Creek 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.

Cedar 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.

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API Number 47 - 021 - 03706
Operator's Well No. _____

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: Tide Ross

Date: 2-21-19

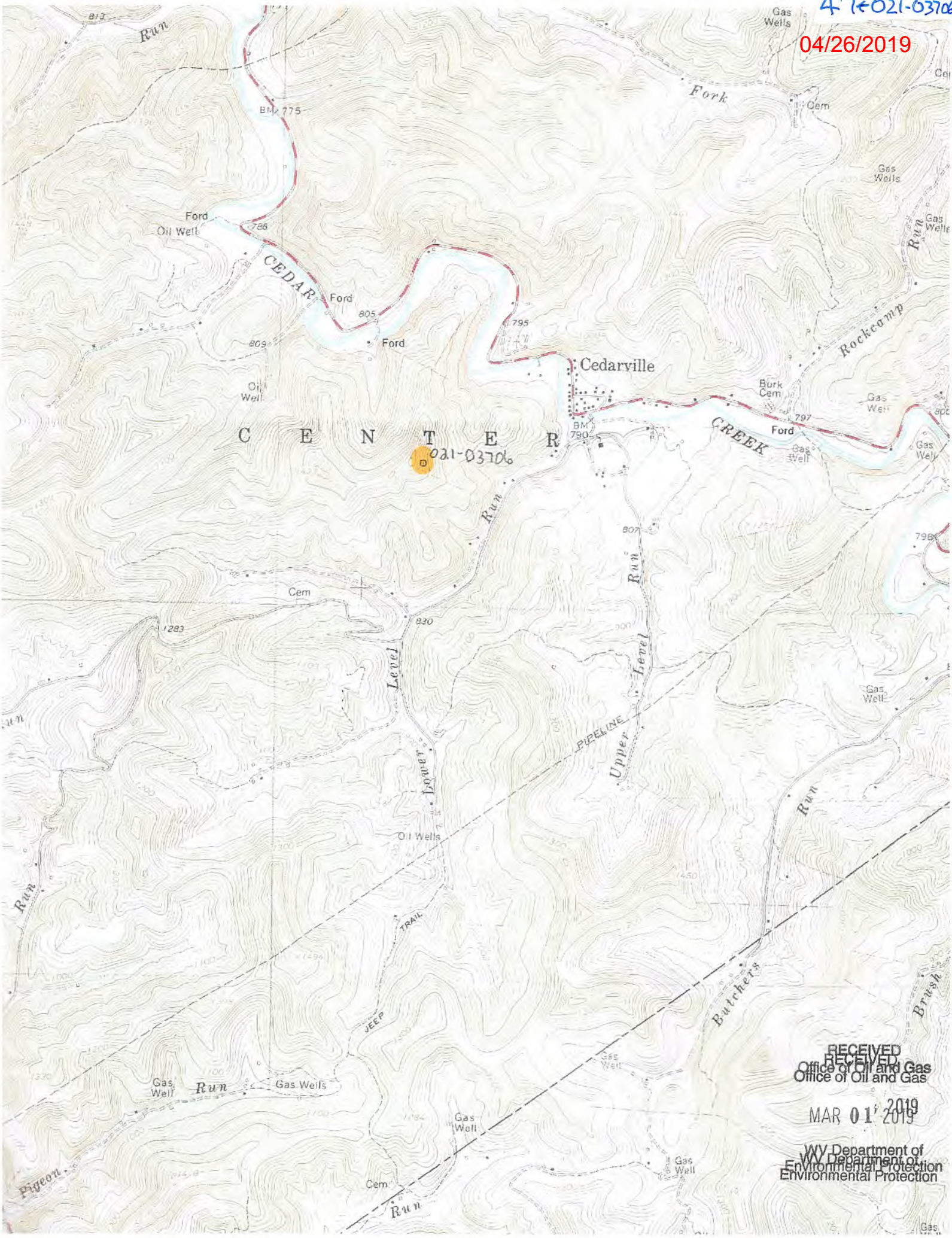
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47-021-03706P

04/26/2019



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04/26/2019

WW-7
8-30-06

West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-021-03706 WELL NO.: 1

FARM NAME: A.N. Bailey

RESPONSIBLE PARTY NAME: Mike Ross

COUNTY: Gilmer DISTRICT: Center

QUADRANGLE: Cedarville

SURFACE OWNER: Marvin Brannon, Sharon Brannon, Larry and Mary Greenlief

ROYALTY OWNER: A.N. Bailey Heirs

UTM GPS NORTHING: 4298762.0

UTM GPS EASTING: 514762.0 GPS ELEVATION: 1214'

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

2-21-19 MAR 01 2019

Date

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