



 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

Wednesday, October 10, 2018
 WELL WORK PLUGGING PERMIT
 Vertical Plugging

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

COALTON, WV 262570219

Re: Permit approval for 1
 47-007-00476-00-00

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: PERRINE, D.
 U.S. WELL NUMBER: 47-007-00476-00-00
 Vertical Plugging
 Date Issued: 10/10/2018

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.

WW-4B
Rev. 2/01

1) Date August 27, 2018 **10/12/2018**
2) Operator's
Well No. Perrine #1
3) API Well No. 47-007 - 00476

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 841' Watershed Cedar Creek
District Otter County Braxton 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 9) Plugging Contractor
Name Danny Mullins Name R & R Well Service
Address 220 Jack Acres Rd. Address 42 Lynch Ridge
Buckhannon, WV 26201 Walton, WV 25286

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 1800' to TD (1967') Plug 100' above top perf

Set 100' cement plug across casing cut

Set cement plug 1300' to 1735' (Lime, Blue Monday) and gas shows

Set cement plug 800' to 950' (salt bearing strata) and 7" casing

Set cement plug 425' 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



Date

9-10-18



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Glenville

Permit No. ERA-476

WELL RECORD

Oil or Gas Well G a s
(KIND)

Company William E. Allen
Address 879 Cardinal Drive, Bowling Green, Ky.
Farm Deratina Perrine Acres 74.75
Location (waters) Cedar Creek
Well No. One Elev. 841
District Otter County Braxton
The surface of tract is owned in fee by Deratina Perrine
Address Burnsville, W. Va.
Mineral rights are owned by Deratina Perrine
Address Burnsville, W. Va.
Drilling commenced August 8, 1961
Drilling completed Sept. 16, 1961
Date Shot From To
With
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil None _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____
WELL FRACTURED 9-27-61

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
18			
10	109 ft.	Yes	Size of
8 3/4	375		
6 3/4	7 in. 857		Depth set
5 3/16	1967	Yes	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date
50 sks. cement, 5 sks. aquagel Dowell

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

DM

RESULT AFTER TREATMENT Broke down at 1900
ROCK PRESSURE AFTER TREATMENT 250 lbs. - 24 hours
Fresh Water _____ Feet _____ Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Red Rock & Shale			0	62			
Sandy Lime			62	125			
Red Rock & Gray Shale			125	148			
Gray Shale, red rock & shale			148	200			
Shale & red rock			200	282			
Gray slate & sandy slate			282	334			
Gray sandy shale			334	375			
Gray shale & sand		hard	375	418			
Gray Shale			418	446			
Gray & Sandy shale			446	499			
Sand			499	587	Gas 545 to 550		
Sand		hard	587	654			
Slate & Sand			654	700	Water 695		
Sand		hard	700	758			
Sand			758	793			
Sand, shale & lime			793	830			
Shale			830	857			
Lime			857	913			
Slate & Shells			913	983			
Slate & Shale			983	1082			
Slate & Shells			1082	1143			
Slate & Shale			1143	1182			
Sandy & Lime			1182	1202			
Slate & Shale			1202	1208			
Sand & Slate			1208	1273			
Lime & Slate			1273	1301			
Slate			1301	1311			
Sand			1311	1330			
Slate & Shells			1330	1357			
Slate, Shale & lime			1357	1418			

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Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
White Sand		hard	1418	1425	Gas	1419-1423	
Gray shale, lime & sand			1425	1441			
Slate & Gray shale			1441	1492			
Gray shale & sand			1492	1533	Gas	1514	
Sand, red rock & lime			1533	1552	Gas	1533-1540	
Little lime, red rock-Pencil Cave			1552	1602			
Lime			1602	1634			
Lime		Hard	1634	1662			
Keener Sand			1662	1685	Gas Show	1680-1685	
Keener Sand		Hard	1685	1696			
Keener Sand & slate			1696	1710			
Slate			1710	1724			
Injun Sand			1724	1743			
Lime			1743	1785			
Big Lime			1785	1812			
Sand			1812	1833			
Sand & Lime		Hard	1833	1900	Show Gas	1935-1942	
Sand			1900	1967			

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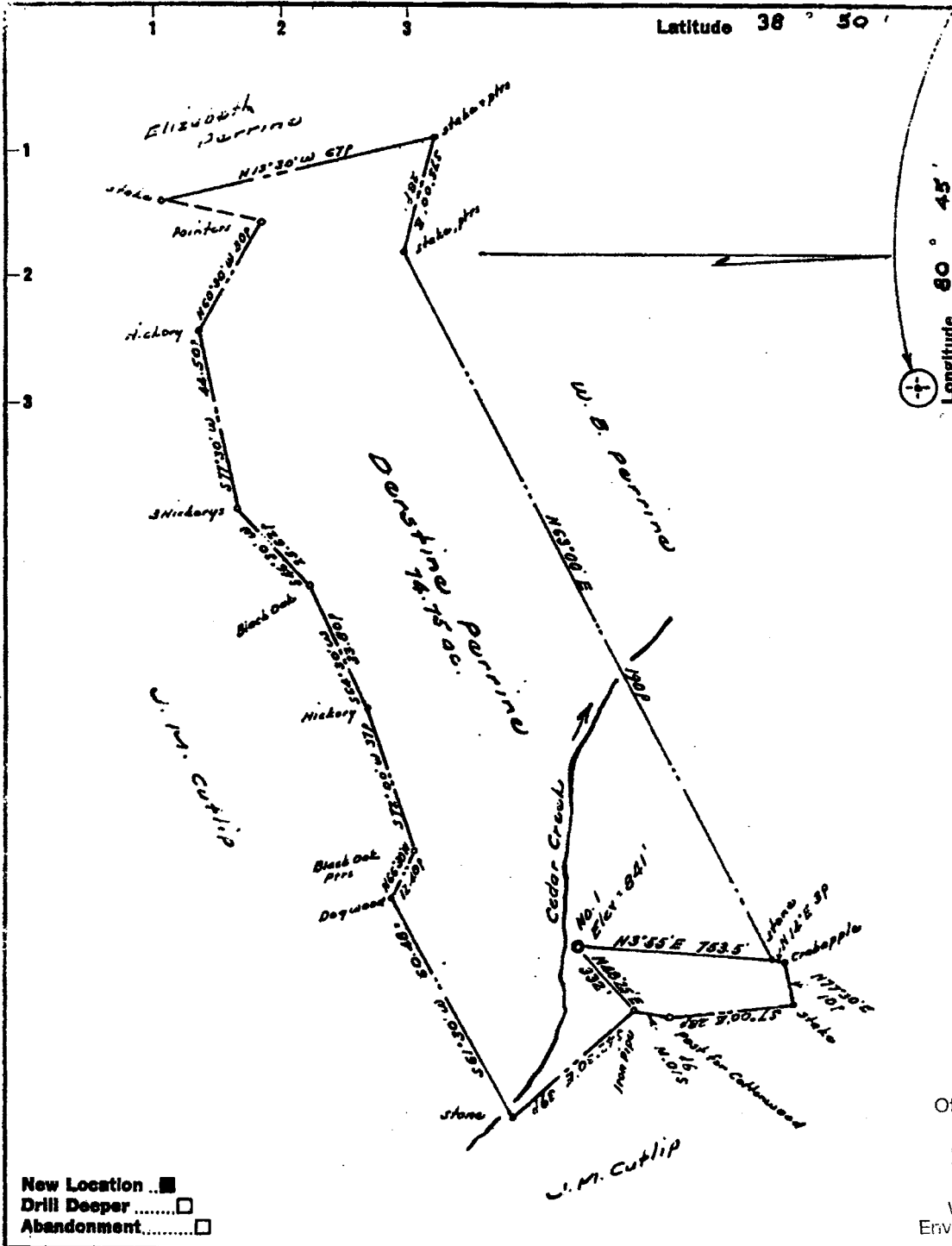
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Date November 15, 1901

APPROVED William E. Allen, Owner

By [Signature]
(Title)



DM

New Location
 Drill Deeper
 Abandonment

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WV Department of Environmental Protection

Company WILLIAM E. ALLEN
 Address 879 Cardinal Drive, Bowling Green, Ky
 Farm Destine Perrine
 Tract _____ Acres 74.75 Lease No. _____
 Well (Farm) No. One Serial No. _____
 Elevation (Spirit Level) 841
 Quadrangle Glanville
 County Briston District Other
 Engineer William E. Allen
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date July 1961 Scale 1" = 200'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE NO. Area - 476

+ 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-4A
Revised 6-07

1) Date: August 27, 2018
2) Operator's Well Number
Perrine
3) API Well No.: 47 - 007 - 00476

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>Carma Perrine Life Est.</u>	Name <u>N/A</u>
Address <u>John Bradley Meadows & Tara Sue Morgan</u>	Address _____
<u>Bradley Meadows</u>	_____
(b) Name <u>387 Meadow Valley</u>	(b) Coal Owner(s) with Declaration
Address <u>Gassaway, WV 26624</u>	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 Rd.</u>	Name <u>N/A</u>
<u>Buckhannon, WV 26201</u>	Address _____
Telephone _____	_____

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WV Department of
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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.

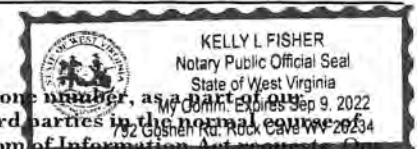
Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental 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 Braxton Oil & Gas Corp.
 By: Mike Ross
 Its: President
 Address P.O. Box 219
Coalton, WV 26257
 Telephone 1-304-472-4289

Subscribed and sworn before me this 4th day of September, 2018
Kelly L. Fisher 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.



47-007-00476P

10/12/2018

WW-9
(5/16)

API Number 47 - 007 - 00476
Operator's Well No. _____

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

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Operator Name Braxton Oil & Gas Corp OP Code 30685

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

ANY WELL EFFLUENT WILL
BE CONTAINED IN TANKS.

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

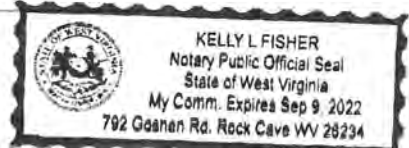
Company Official (Typed Name) Mike Ross

Company Official Title President

Subscribed and sworn before me this 4TH day of September, 2018

Kelly L. Fisher Notary Public

My commission expires September 9, 2022



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 _____ Tons/acre

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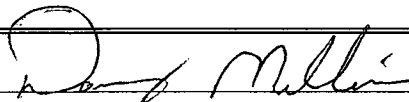
Seed Mixtures

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: 

Comments: _____

Title: ODE Inspector Date: 9-10-18

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): 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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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

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

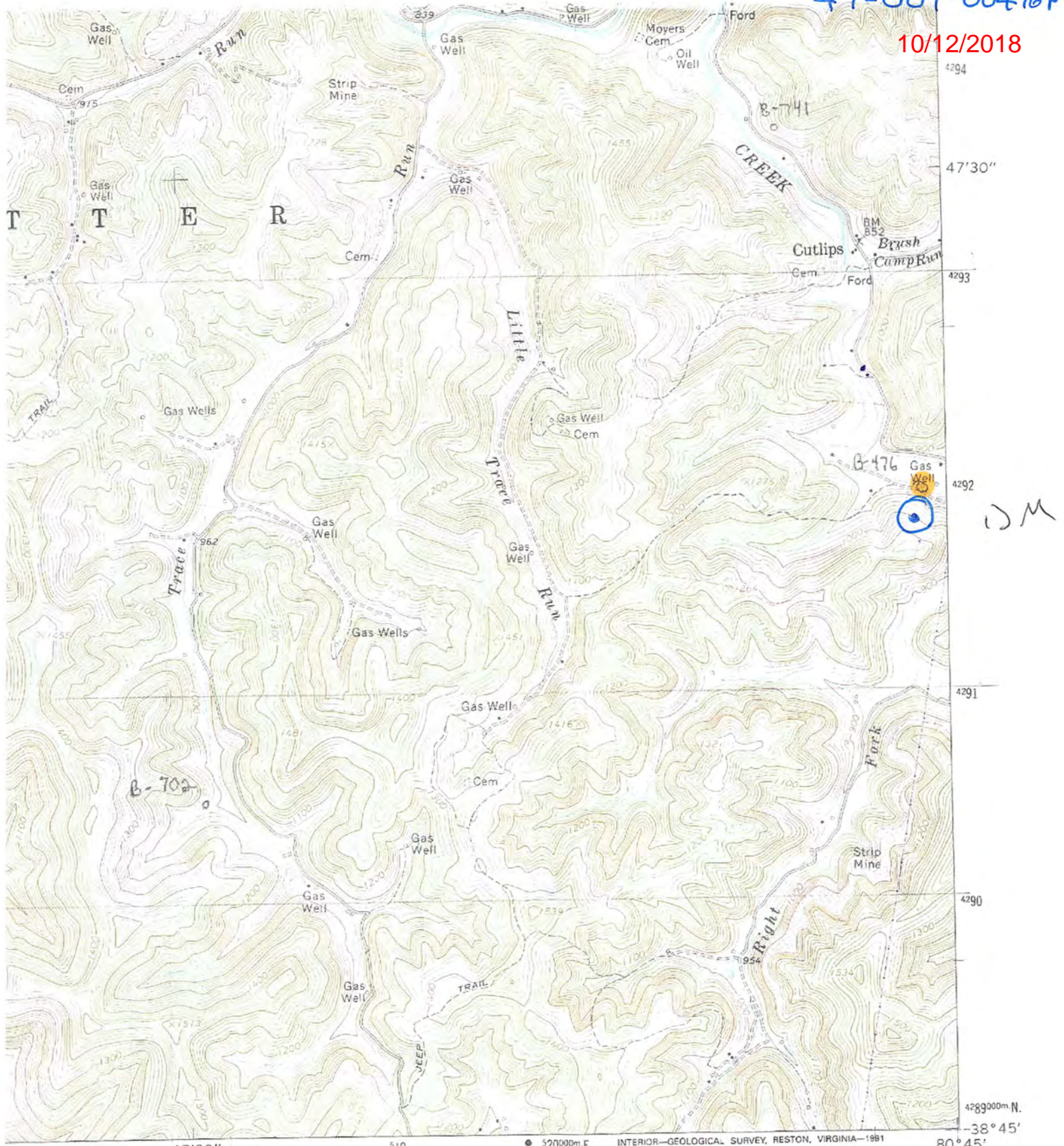
N/A

Signature: Mike Ross

Date: 9-11-18

47-007-00476P

10/12/2018



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QUADRANGLE LOCATION

ROAD CLASSIFICATION

Medium-duty Light-duty
 Unimproved dirt

CEDARVILLE, W. VA.
SE/4 GLENVILLE 15' QUADRANGLE

(SUTTON)
4861 II NW

47-007-00476 P

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WW-7
8-30-06



WV Department of
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West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-007-00476 WELL NO.: 1

FARM NAME: Perrine

RESPONSIBLE PARTY NAME: Mike Ross

COUNTY: Braxton DISTRICT: Otter

QUADRANGLE: Cedarville

SURFACE OWNER: Carma Perrine Life Est., John B. Meadows & Tara S. Morgan

ROYALTY OWNER: D. Perrine

UTM GPS NORTHING: 4291944.9

UTM GPS EASTING: 521609.6 GPS ELEVATION: 841'

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

9/18
Date