



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 13, 2020
WELL WORK PLUGGING PERMIT
Vertical Plugging

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

BUCKHANNON, WV 262010000

Re: Permit approval for 1
47-007-00749-00-00

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: HOSEY, J. M.
U.S. WELL NUMBER: 47-007-00749-00-00
Vertical Plugging
Date Issued: 4/13/2020

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.

WW-4B
Rev. 2/01

1) Date February 18, 2020
2) Operator's Well No. J.M. Hosey #1
3) API Well No. 47-007 - 00749 P

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

RECEIVED
Office of Oil and Gas

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

FEB 18 2020

WV Department of
Environmental Protection

4) Well Type: Oil ___ / Gas X / Liquid injection ___ / Waste disposal ___
(If "Gas, Production ___ or Underground storage ___) Deep ___ / Shallow X

5) Location: Elevation 1237' Watershed Brush 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
Address 220 Jack Acres Rd.
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
- Set cement plug 2060' to TD (2432') Plug 100' above top perf
- Set 100' cement plug across casing cut
- Set 100' cement plug 1175' to 1275' elevation plug (salt bearing strata)
- Set cement plug 200' to surface, (8" casing plug, freshwater protection plug and surface plug) Tag plug's as necessary, Set Monument with API number

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

Work order approved by inspector  Date 3-6-2020



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage
Oil or Gas Well Gas
(KIND)

3/27/69
Pastech-CA

BS 7-31
Quadrangle Glenville
Permit No. BRAX - 749

WELL RECORD

Company White Shield Oil & Gas Corporation
Address P.O. Box 2139 - Tulsa, Oklahoma 74101
Farm J. M. Hosey Acres 95.1
Location (waters) _____
Well No. One Elev. 1237'
District Otter County Braxton
The surface of tract is owned in fee by J.M. & Lavoo Hosey
Address Exchange, West Virginia
Mineral rights are owned by 15/16 - J.M. & Lavoo Hosey &
1/16 - Equitable Gas Co. Address Pittsburgh, Pa.
Drilling commenced 12-2-68
Drilling completed 12-9-68
Date Shot 12-12-68 From 2166' To 2354'
With 14 holes
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) _____
WELL FRACTURED (DETAILS) 500 gals. 15% acid, 60,000# 20-40 sand, 30,000# 10-20 sand,
250# J-166, 40 gals. F-52 2038 BW
RESULT AFTER TREATMENT (Initial open Flow or bbls.) 1.5 MMCFPD
ROCK PRESSURE AFTER TREATMENT 560# HOURS 1,500.000
Fresh Water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Big Injun Depth 2166'

Casing and Tubing	Used in Drilling	Left in Well	Packer
Size			Kind of Packer
16			
13			
10			Size of
8 8 5/8	153'	153'	Depth set
6 3/4			
5 3/16			Perf. top <u>2166'</u>
4 1/2	2354'	2354'	Perf. bottom <u>2354'</u>
3			Perf. top _____
2			Perf. bottom _____
Liners Used			

Attach copy of cementing record.
CASING CEMENTED 2354' SIZE 4 1/2 No. Ft. 12-10-68 Date
Amount of cement used (bags) 200 sxs.
Name of Service Co. Dowell
COAL WAS ENCOUNTERED AT None FEET _____ INCHES
_____ FEET _____ INCHES
_____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Surface			0	153			
Shale			153	331			
Sand & shale			331	697			
Sand & shale			697	1036			
Sand & shale			1036	1173			
Sand & shale			1173	1471			
Sand & shale			1471	1843			
Sand & shale			1843	1950			
Sand & shale			1950	1999			
Shale & little lime			1999	2086			
Big Lime			2086	2101			
Lime			2101	2432			
T.D.				2432			



DM

WW-4A
Revised 6-07

1) Date: February 18, 2020
2) Operator's Well Number
J.M. Hosey #1

3) API Well No.: 47 - 007 - 00749

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

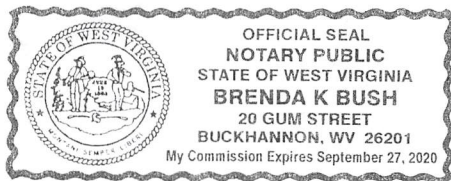
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Lanty Ware /</u>	Name <u>N/A</u>
Address <u>1442 Salt Lick Road</u>	Address _____
<u>Sutton, WV 26601</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>N/A</u>
_____	Address <u>RECEIVED</u>
_____	<u>Office of Oil and Gas</u>
(c) Name _____	Name <u>MAR 18 2020</u>
Address _____	Address _____
_____	<u>WV Department of</u>
_____	<u>Environmental Protection</u>
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>	_____

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 reverse 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 5th day of March, 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 - 00749
Operator's Well No. J.M. Hoesy #1

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) Brush 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 *ANY WELL EFFLUENT WILL BE CONTAINED IN TANKS BEFORE DISPOSING OFF SITE, gnm*

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 _____)

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WV Department of
Environmental Protection

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

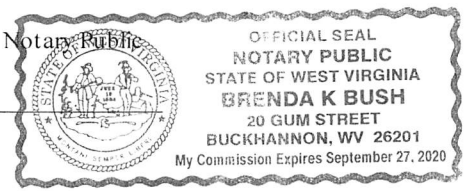
Company Official (Typed Name) Mike Ross

Company Official Title President

Subscribed and sworn before me this 5th day of March, 2020

Brenda K Bush

My commission expires September 27, 2020



Operator's Well No. 47-007-00749

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

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MAR 18 2020

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Environmental Protection

Seed Mixtures

Temporary

Permanent

Seed Type	lbs/acre
<u>Fescue</u>	<u>30</u>

Seed Type	lbs/acre
<u>Fescue</u>	<u>30</u>

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: DOG Inspector Date: 3-6-2020

Field Reviewed? () Yes () 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): Brush 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

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MAR 18 2020
WV Department of
Environmental Protection

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.

Brush Run

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

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WV Department of
Environmental Protection

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.

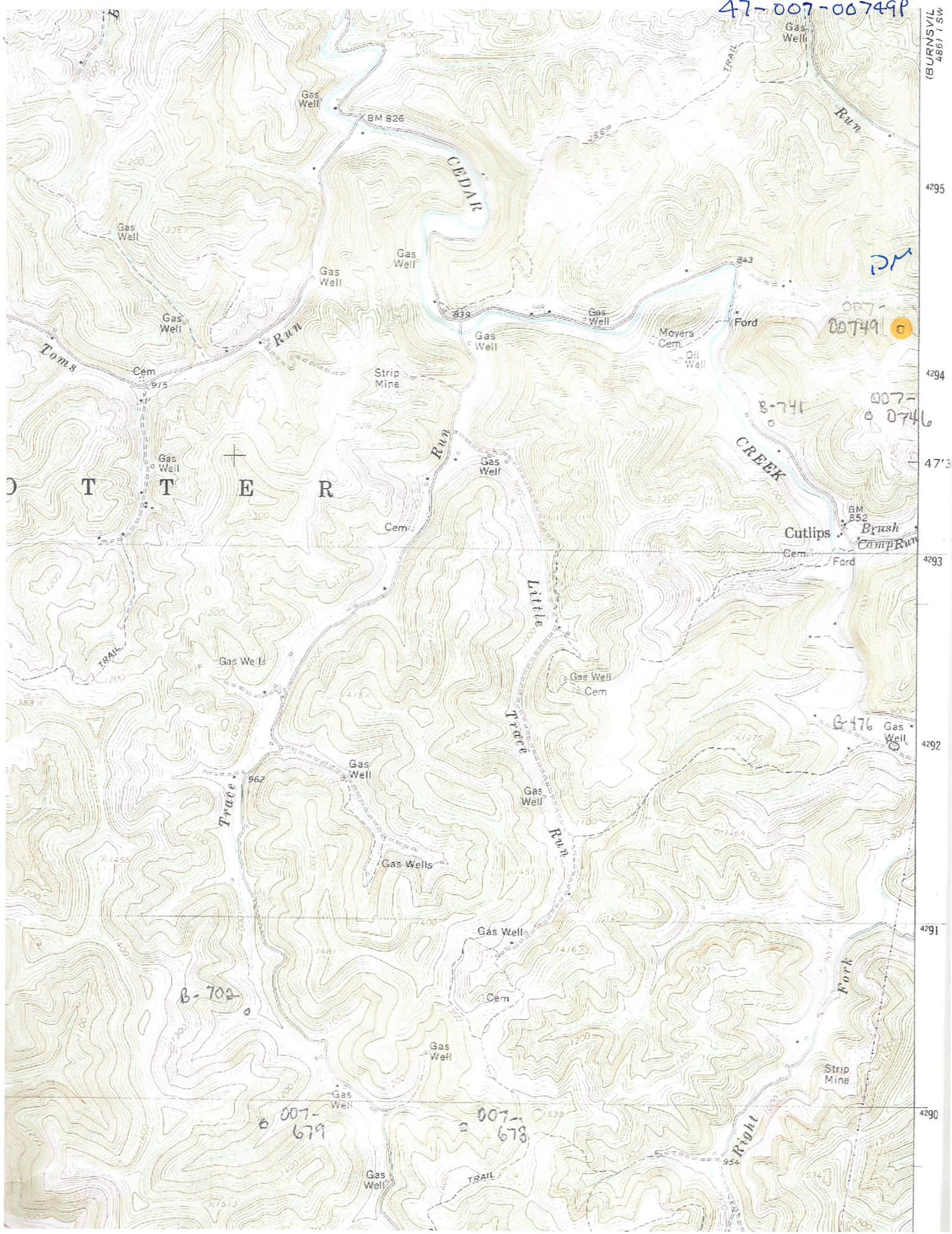
N/A

Signature: Trinke Ross

Date: March 5, 2020

47-007-00749P

(BURNSVIL
4861 SW



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WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 47-007-00749 WELL NO.: 1

FARM NAME: J.M. Hosey

RECEIVED
Office of Oil and Gas

RESPONSIBLE PARTY NAME: Mike Ross

MAR 18 2020

COUNTY: Braxton DISTRICT: Otter

WV Department of
Environmental Protection

QUADRANGLE: Cedarville

SURFACE OWNER: Lanty Ware

ROYALTY OWNER: _____

UTM GPS NORTHING: ~~4294549.8~~ 4294395.11

UTM GPS EASTING: ~~521793.4~~ 521639.57 GPS ELEVATION: 1237'

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

March 5, 2020
Date