



 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

Friday, April 26, 2019

WELL WORK PLUGGING PERMIT
 Vertical Plugging

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

BUCKHANNON, WV 262010000

Re: Permit approval for 11788
 47-021-02546-00-00

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: 11788
 Farm Name: KUHL, JOHNNIE
 U.S. WELL NUMBER: 47-021-02546-00-00
 Vertical Plugging
 Date Issued: 4/26/2019

I

47-021-02546P

04/26/2019

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.

1) Date February 26, 2019 **04/26/2019**
2) Operator's Well No. Johnnie Kuhl #11788
3) API Well No. 47-021-02546 *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 842' Watershed Branch Middle Run
District DeKalb County Gilmer Quadrangle Tanner

6) Well Operator Ross & Wharton Gas Co. Inc. 7) Designated Agent Mike Ross Inc.
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 1600' to TD (1854') Plug 100' above top perf
- Set 100' cement plug across casing cut *≈ 1200'*
- Set 100' cement plug 800' to 900' (salt bearing strata & elevation plug)
- Set cement plug 350' 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 permit work can commence.

Work order approved by inspector *Danny Mullins*

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MAR 8 2019
WV Department of
Environmental Protection
Date 3-4-19

47-021-025467

04/26/2019

OG-10
Rev. - 9-71



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division
WELL RECORD

Quadrangle GLENVILLE
Permit No. GIL-2546

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

Company Consolidated Gas Supply Corporation
Address Clarksburg, W. Va.
Farm Johnnie R. Kuhl Acres 1.6
Location (waters) Br Middle Run
Well No. 11788 Elev. 812'
District DeKalb County Gilmer
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling Commenced 5-27-75
Drilling Completed 6-05-75
Initial open flow 2 M cu. ft. _____ bbls.
Final production 96 M cu. ft. per day _____ bbls.
Well open S.T. 11 dayshrs. before test 1.05# RP.
Well treatment details:

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13- 100'	20'	20'	To surface
9 5/8			
8 5/8	251'	251'	To surface
7			
5 1/2			
4 1/2	182 1/2'	182 1/2'	125 Bags
3			
2			
Liners Used			

DM

Well fractured with 10,000# sand, 1000 gal 15% acid, 1800 gal 28% acid
Perforations: 1732-1750' with 18 holes

Coal was encountered at None Feet _____ Inches _____
Fresh water 30' Feet _____ Salt Water None Feet _____
Producing Sand INJUN Depth Same as perms

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand & Shale			0	205	Water	30' Fresh
Shale & Red Rock			205	745		
Sand & Shale			745	1555		
Little Lime			1555	1585		
Shale			1585	1590		
Blue Monday			1590	1610		
Big Lime			1610	1685		
Big Injun			1685	1760	Gas	1732-50'
Total Depth				1854'		

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OCT 30 1975

OIL & GAS DIVISION
DEPT. OF MINES

Consolidated Gas Supply Corporation
445 West Main Street
Clarksburg, W. Va.

K. B. Measurement 5' above G.L.

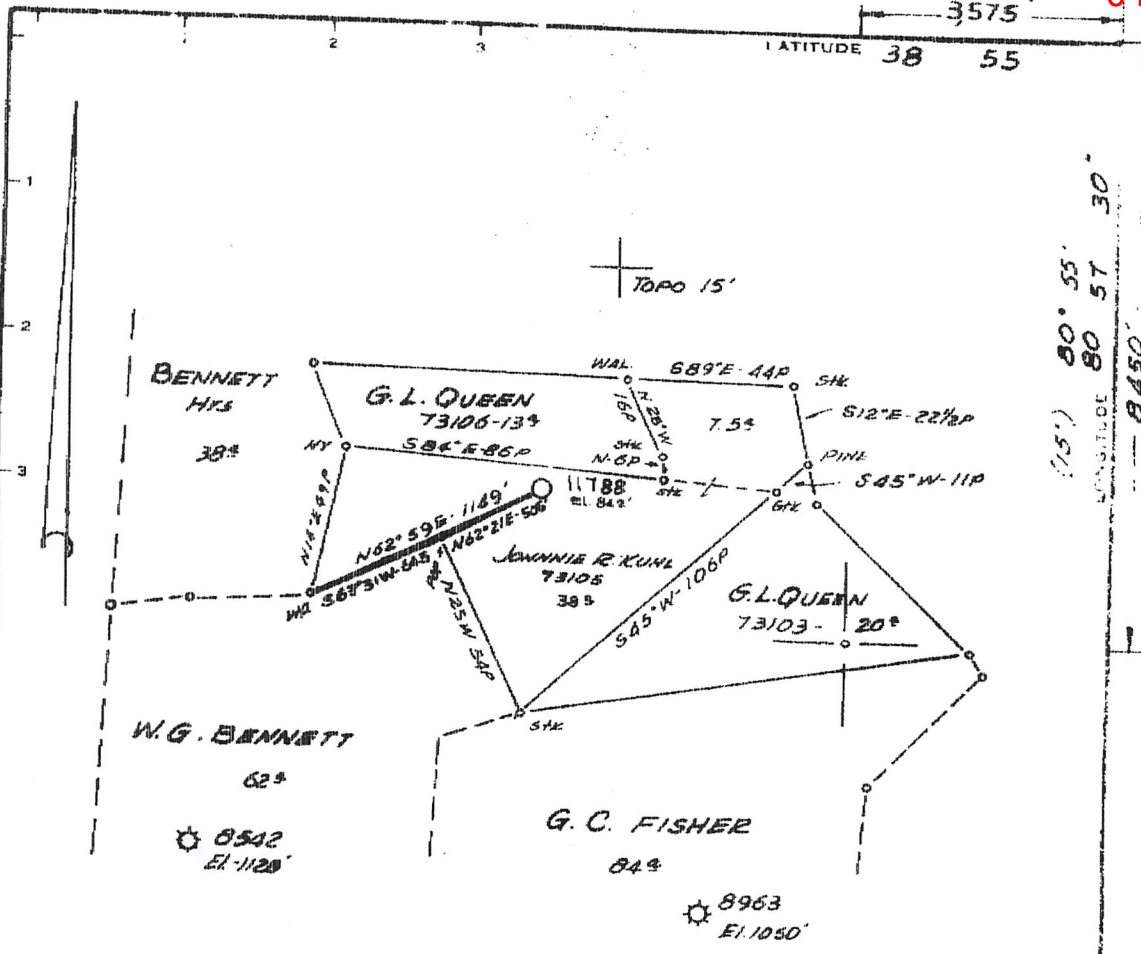
(over)

* Indicates Electric Log tops in the remarks section.

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Minimum Error of Closure $1''$ IN $200'$
 Source of Elevation LEVELS FROM CONSOLIDATED GAS SUPPLY CORP. WELL 10794 EL. 895'
 "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"

New Location
 Drill Dwyer
 Abandonment

MAP SHEET 96 S38 W21 FB 1736 PG 13-15

Company CONSOLIDATED GAS SUPPLY CORP
 Address CLARKSBURG, WV
 Farm JOHNNIE R. KUNL
 Tract Acres 7.9 Lease No. 73105
 Well (Farm) No. Serial No. 11788
 Elevation (Spiral Level) 842' GLENVILLE 15'
 Quadrangle TANNER, WV 7 1/2 N SW
 County GILMER District DEKALE
 Engineer Jackson M. Jarvis
 Engineer's Registration No. 2397
 File No. Drawing No.
 Date 1-23-75 Scale 1" = 40 FEET

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

WELL LOCATION MAP
 FILE NO GIL-2546

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.

47-021

RECEIVED
 Office of Oil and Gas
 MAR 8 2019
 WV Department of Environmental Protection

WW-4A
Revised 6-07

1) Date: February 26, 2019
2) Operator's Well Number
Johnnie Kuhl #11788
3) API Well No.: 47 - 021 - 02546

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>Wilda Kuhl</u>	Name <u>N/A</u>
Address <u>6695 US HWY 33 W</u>	Address _____
<u>Glennville, WV 26351</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 Rd.</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:

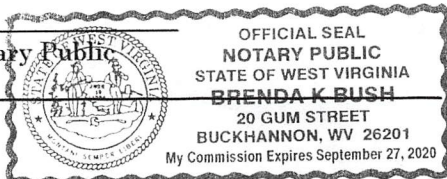
- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the 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	<u>Ross & Wharton Gas Co. Inc.</u>	
By:	<u>[Signature]</u>	
Its:	<u>President</u>	
Address	<u>354 Morton Ave.</u>	
Telephone	<u>1-304-472-4289</u>	

Subscribed and sworn before me this 27th day of February, 2019
Brenda K Bush
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 depprivacyofficer@wv.gov.

WW-9
(5/16)

API Number 47 - 021 - 02546
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) Branch Middle Run Quadrangle Tanner

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

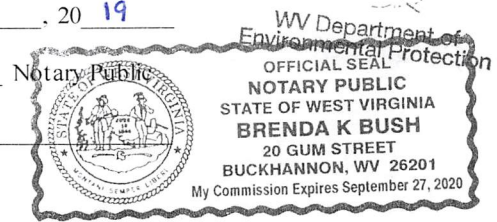
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Subscribed and sworn before me this 27th day of February, 2019

Brenda K Bush

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 500 lbs/acre

Mulch Hay Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Fescue	<u>30</u>	Fescue	<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: 3-4-19

Field Reviewed? () Yes () No

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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): Branch Middle Run Quad: Tanner

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.

Branch Middle Run

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

N/A

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- 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

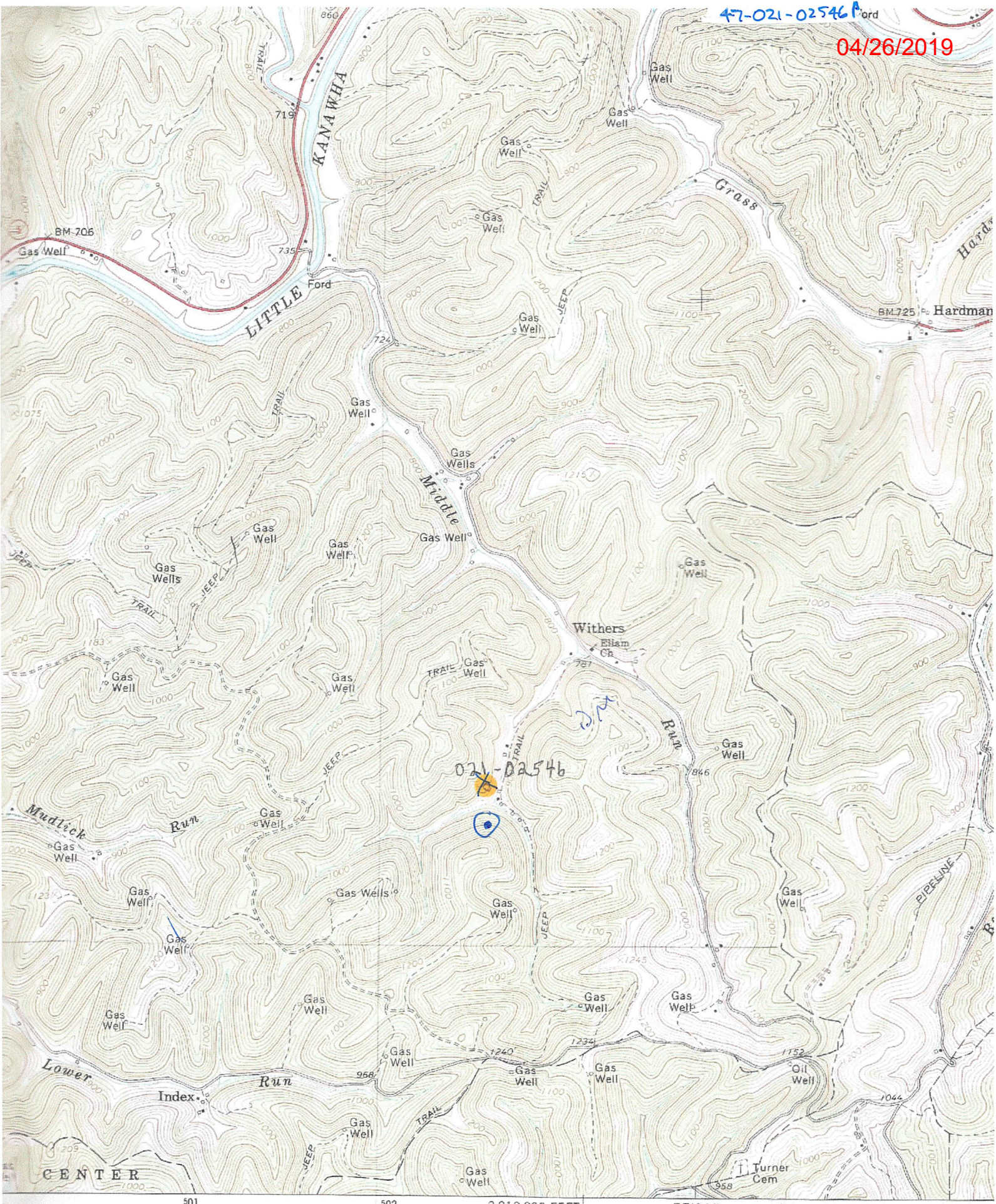
Date:

February 27, 2019

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47-021-02546 Ford

04/26/2019

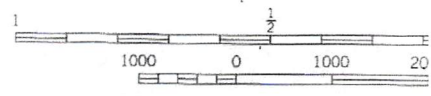


Compiled, edited, and published by the Geological Survey

Control by USGS and USC&GS

Photography by photogrammetric methods from aerial photographs
from 1962-1963. Field checked 1965

501 502 2 010 000 FEET 57'30" 504 505



WW-7
8-30-06



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

API: 47-021-02546 WELL NO.: 1

FARM NAME: Johnnie Kuhl #11788

RESPONSIBLE PARTY NAME: Mike Ross

COUNTY: Gilmer DISTRICT: DeKalb

QUADRANGLE: Tanner

SURFACE OWNER: Wilda Kuhl

ROYALTY OWNER: Johnnie Kuhl Heirs

UTM GPS NORTHING: 4304807.7

UTM GPS EASTING: 502548.6 GPS ELEVATION: 842'

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

Feb. 27, 2019
Date

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