



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, March 11, 2020
WELL WORK PLUGGING PERMIT
Vertical Plugging

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

BUCKHANNON, WV 262010000

Re: Permit approval for JOE TURNER 1
47-041-03992-00-00

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: JOE TURNER 1
Farm Name: TURNER, JOSEPH, ETAL
U.S. WELL NUMBER: 47-041-03992-00-00
Vertical Plugging
Date Issued: 3/11/2020

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 18, 2020
2) Operator's
Well No. Joe Turner #1
3) API Well No. 47-041 - 03992 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 1212' Watershed Walnut Fork of Fink Creek
District Freemans Creek County Lewis Quadrangle Vadis

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 Barry Stollings
Address 28 Conifer Dr.
Bridgeport, WV 26330
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 3600' to TD (3854') plug
Set 100' cement plug across casing cut (cut may be above 1700')
Set cement plug 2450' to 2550' Set cement plug 1700' to 1800', 100' above top perf
Set cement plug 1150' to 1250' elevation plug (salt bearing strata)
Set cement plug 750' to 850' 8" casing plug and ground water protection plug
Set cement plug 100' to surface (surface plug). Tag plug's as necessary, Set monument with API number

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Office of Oil and Gas
MAR 05 2020

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

Work order approved by inspector Barry Stollings Date 2-27-20

State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas

Well Operator's Report of Well Work

Farm name: TURNER, JOSEPH ETAL. Operator Well No.: JOE TURNER #1

LOCATION: Elevation: 1212.00 Quadrangle: VADIS

District: FREEMANS CREEK County: LEWIS
Latitude: 7300 Feet South of 39 Deg. 5 Min. 0 Sec.
Longitude: 11680 Feet West of 80 Deg. 37 Min. 30 Sec.

Company: ROSS & WHARTON GAS CO., I
ROUTE 6, BOX 123
BUCKHANNON, WV 26201-0123

Agent: MIKE ROSS

Inspector: STEVE CASEY
Permit Issued: 05/14/90
Well work Commenced: 06/18/90
Well work Completed: 06/23/90

Verbal Plugging
Permission granted on: _____
Rotary XX Cable _____ Rig _____
Total Depth (feet) 3854'
Fresh water depths (ft) $\frac{1}{2}$ @ 337'

Salt water depths (ft) None

Is coal being mined in area (Y/N)? N
Coal Depths (ft): None

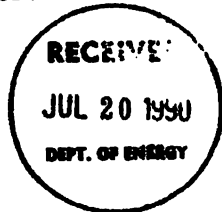
Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8 5/8	783	783	225 sks
4 1/2		3696	350 sks
1" Siphon		3200'	

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth (ft) 1855-3450
Gas: Initial open flow 30 MCF/d Oil: Initial open flow --- Bbl/d
Final open flow 500 MCF/d Final open flow --- Bbl/d
Time of open flow between initial and final tests 4 Hours
Static rock Pressure 730 psig (surface pressure) after 72 Hours

Second producing formation Devonian Shale Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.



MIKE ROSS INC. dba
For: ROSS & WHARTON GAS CO., INC.

By: Mike Ross
Date: July 18, 1990

3992

APPROVED
Division of Oil and Gas
July 18, 1990
Well Operator's Report of Well Work

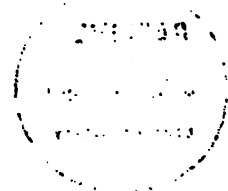
Fractured June 29, 1990

1st Stage - Perfs @ 3614-2551, 750 Gal. Acid, 39,900# 20/40 Sand,
68,050 SCF N²

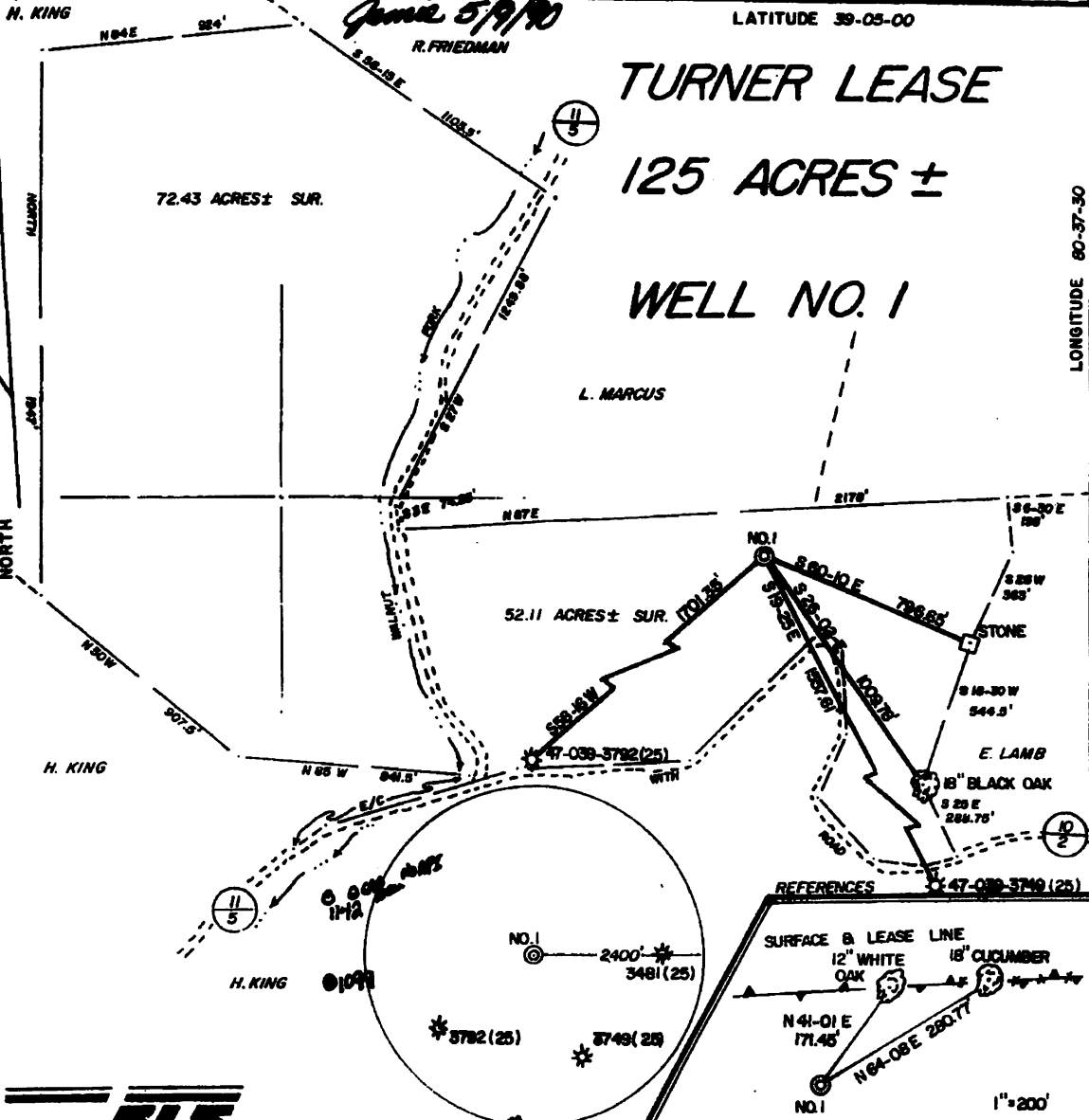
2nd Stage - Perfs @ 1810-2216, 750 Gal. Acid, 39,900# 20/40 Sand,
76,050 SCF N²

Clay	0	3	
Red Rock	3	50	
Sand	50	216	
Red Rock & Shale	216	451	
Sand	502	502	
Red Rock & Shale	502	1431	
Sand	1431	1471	
Shale	1471	1590	
Sand	1590	1692	
Shale	1692	1751	
Little Lime	1751	1787	
Big Lime	1787	1855	
Big Injun	1855	1948	Show of gas
Sandy Shale	1948	3100	
Balltown Stringer	3100	3450	Show of gas
Sandy Shale	3450	3854	TD

10548



Division of
Oil and Gas
Environmental Protection



I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT 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 DEPARTMENT OF ENERGY.



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE APRIL 23, 19 90
 OPERATORS WELL NO. TURNER NO. 1
 API WELL NO. 47-041-3992
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2281 (31-30)
 PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS ELEVATION 861' SCALE 1" = 500'

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1212' WATERSHED WALNUT FORK OF FINN CREEK
 DISTRICT FREEMANS CREEK COUNTY LEWIS QUADRANGLE VADIS 75'
 SURFACE OWNER JOSEPH TURNER ACREAGE 52.11
 ROYALTY OWNER JOSEPH TURNER ET AL. LEASE ACREAGE 52.11 OF 125
 PROPOSED WORK: LEASE NO. _____
 DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER _____
 PHYSIC' CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION DEVONIAN SHALE
 ESTIMATED DEPTH 4000'

WELL OPERATOR MIKE ROSS Inc. DESIGNATED AGENT MIKE ROSS
 ADDRESS BOX 173 COALTON, WV. 26257 ADDRESS BOX 173 COALTON, WV. 26257

COUNTY NAME PERMIT

Vertical text on the right side of the page, including 'COUNTY NAME' and 'PERMIT' labels.

WW-4A
Revised 6-07

1) Date: February 18, 2020
2) Operator's Well Number
Joe Turner #1
3) API Well No.: 47 - 041 - 03992

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

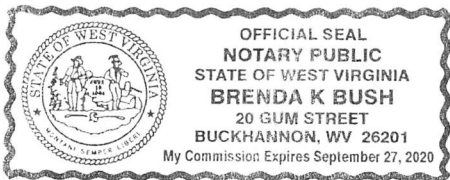
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Joseph Turner</u>	Name <u>N/A</u>
Address <u>327 High St.</u>	Address _____
<u>Jane Lew, WV 26378</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>N/A</u>
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Barry Stollings</u>	(c) Coal Lessee with Declaration
Address <u>28 Conifer Dr.</u>	Name <u>N/A</u>
<u>Bridgeport, WV 26330</u>	Address _____
Telephone <u>1-304-552-4194</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 Company Inc.</u>	RECEIVED Office of Oil and Gas MAR 05 2020 WV Department of Environmental Protection
By:	<u>Trube Post</u>	
Its:	<u>President</u>	
Address	<u>354 Morton Ave.</u>	
	<u>Buckhannon, WV 26201</u>	
Telephone	<u>1-304-472-4289</u>	

Subscribed and sworn before me this 26th day of February, 2020
Brenda K Bush 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 depprivacyofficer@wv.gov.

47-041-03992 P

WW-9
(5/16)

API Number 47 - 041 - 03992
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 Company Inc. OP Code 306580
Watershed (HUC 10) Walnut Fork of Fink Creek Quadrangle Vadis

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

WELL EFFLUENT WILL BE CONTAINED IN TANKS BEFORE BEING DISPOSED OF OFF-SITE. *2/20/20*

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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MAR 05 2020

WV Department of
Environmental Protection

Subscribed and sworn before me this 26th day of February, 20 20

Brenda K Bush

Notary Public

My commission expires September 27, 2020



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

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: Benny Stiller

Comments: _____

Title: inspector Date: 2-27-20

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 Company Inc.
Watershed (HUC 10): Walnut Fork of Fink Creek Quad: Vadis
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.

Walnut Fork of Fink 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

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

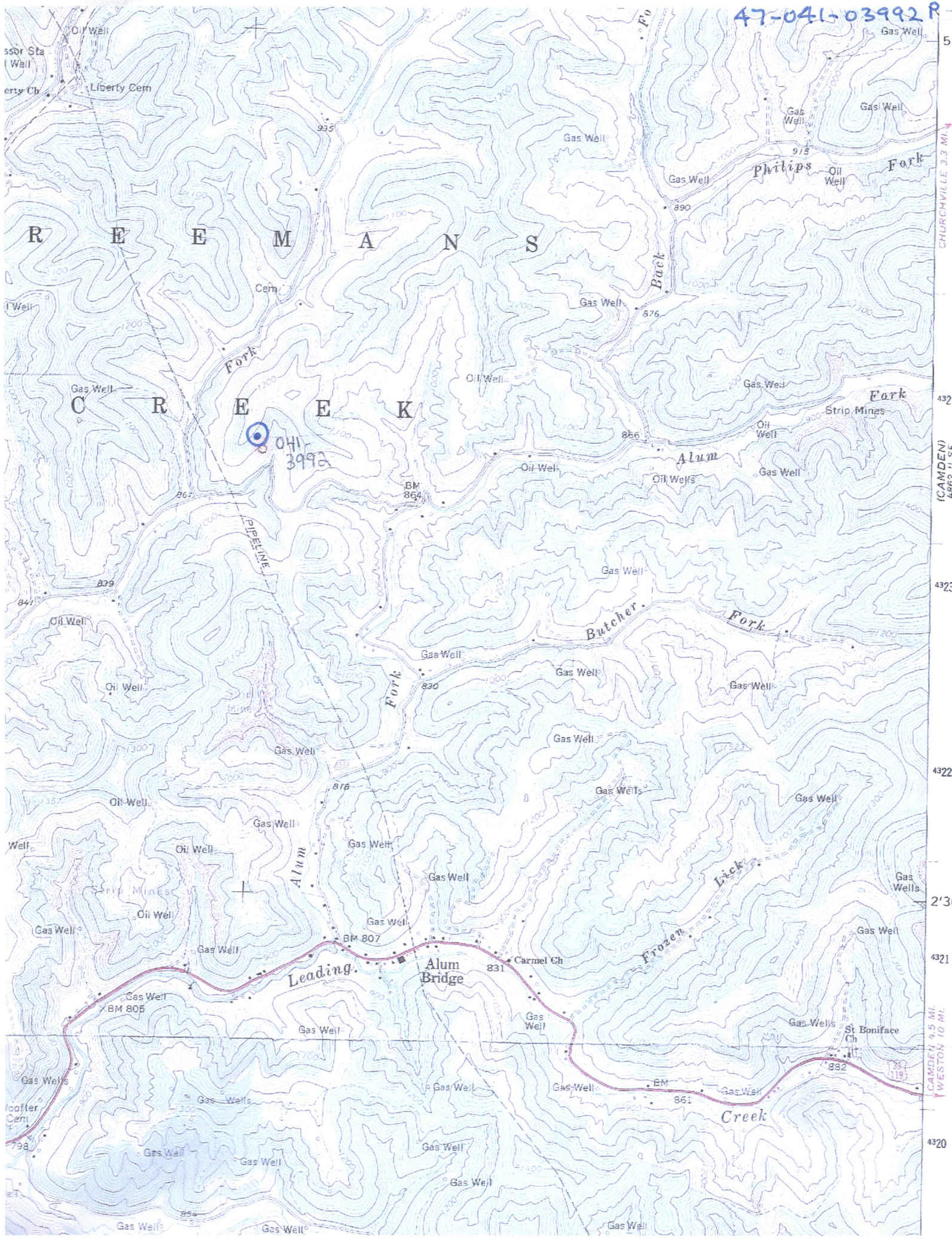
N/A

Signature: Mike Ross

Date: February 26, 2020

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MAR 05 2020
WV Department of
Environmental Protection

47-041-03992 R



5
3.3 MI. CHURCHVILLE
432
4322
2'31
4321
4.5 MI. CAMDEN
10 MI. WESTON

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-041-03992 WELL NO.: 1

FARM NAME: Joe Turner

RESPONSIBLE PARTY NAME: Mike Ross

COUNTY: Lewis DISTRICT: Freeman's Creek

QUADRANGLE: Vadis

SURFACE OWNER: Joe Turner

ROYALTY OWNER: _____

UTM GPS NORTHING: 4323898.6

UTM GPS EASTING: 528901.8 GPS ELEVATION: 1212'

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. 26, 2020
Date

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WV Department of
Environmental Protection