



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

Jim Justice , Governor
Austin Caperton , Cabinet Secretary
www.dep.wv.gov

Tuesday, March 14, 2017
WELL WORK PERMIT
Vertical / Plugging

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

BUCKHANNON, WV 262010000

Re: Permit approval for 3
47-021-03705-00-00

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.

Please be advised that form WR-35, Well Operators Report of Well Work 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: 3
Farm Name: BULTER, G.
U.S. WELL NUMBER: 47-021-03705-00-00
Vertical / Plugging
Date Issued: 3/14/2017

Promoting a healthy environment.

03/17/2017

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.

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 X or Underground storage) Deep / Shallow x

5) Location: Elevation 1153 Watershed Littlr Cove Creek
District Troy County Gilmer Quadrangle Vadis

6) Well Operator Ross and Wharton Gas 7) Designated Agent Mike Ross Po Box 219
Company, INC. Address Coalton WV 26257
Address Rt. 5, Box 29,
Buckhannon WV 26201

Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Danny Mullins Name R & R WELL SERVICE
Address 124 Bid Trace Fork Rd. 220 Jack Haves Rd. Address 42 LYNCH RIDGE
Harts WV 25524 Buckhannon, WV WALTON, WV 25286
PHONE 304 932 6844 26201

10) Work Order: The work order for the manner of plugging this well is as follows:

Remove all equipment used to produce well

Gel hole TD 2380

Cement 2312 to 2000

Cut, freepoint, pull 41/2 csg @ +/-1200'

Cement over cut 1200 to 1100'

Gel 1100 to 425

Cement 425 to 325

Gel 325 to 150'

Cement 150 to surface

Set monument and proper API

Gel between all plugs

Signature Mike Ross 10/14/16 Date

notification must be given to the district oil and gas inspector 24 hours before permitted work is to begin.

Work order approved by
inspector Danny Mullins

Date 10-14-16

03/17/2017

FORM IV-35
(Obverse)

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

Date December 2, 1980

{08-78,

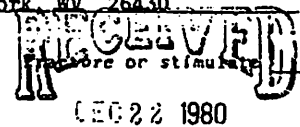
WELL OPERATOR'S REPORT #2
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

Operator's
Well No. G. Butler #3
API Well No. 17 - 021 - 3705
State County Permit

WELL TYPE: Oil ___ / Gas X / Liquid Injection ___ / Waste Disposal ___ /
(If "Gas", Production X / Underground storage ___ / Deep ___ / Shallow X)
LOCATION: Elevation: 1153' Watershed: Little Cove Creek
District: Troy County: Gilmer Quadrangle: Vadis

WELL OPERATOR Carson Petroleum Corporation DESIGNATED AGENT Lowell M. Johnson
Address P O Box 133 Address P O Box 133
Sand Fork, WV 26430 Sand Fork, WV 26430

PERMITTED WORK: Drill X / Convert ___ / Drill deeper ___ / Redrill ___ /
Plug off old formation ___ / Perforate new formation ___ /
Other physical change in well (specify) _____



PERMIT ISSUED ON November 3, 1980 OIL & GAS INSPECTOR FOR THIS WORK:
(IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED) Name Robert Bates
Address Weston, WV
269-3820

GEOLOGICAL TARGET FORMATION: Injun Depth 2246 feet
Depth of completed well, 2380 feet Rotary X / Cable Tools ___
Water strata depth: Fresh, 95 feet; salt, ___ feet.
Coal seam depths: None Is coal being mined in the area? No
Work was commenced November 12, 1980, and completed November 15, 1980

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling		
Conductor								Kinds
Fresh water	8 5/8					374'	374'	To surface
Coal								Sizes
Intermediate								
Production	4 1/2					2312'	100 sks	Depth set
Tubing								
Liners								Perforations:
								Top Bottom

OPEN FLOW DATA

Producing formation Injun Pay zone depth 2246 feet
Gas: Initial open flow, ___ Mcf/d Oil: Initial open flow, 0 Bbl/d
Final open flow, 1,386 Mcf/d Final open flow, 0 Bbl/d
Time of open flow between initial and final tests, 6 hours
Static rock pressure, 480 psig (surface measurement) after 24 hours shut in
[If applicable due to multiple completion--]
Second producing formation _____ Pay zone depth _____ feet
Gas: Initial open flow, ___ Mcf/d Oil: Initial open flow, 0 Bbl/d
Final open flow, ___ Mcf/d Final open flow, 0 Bbl/d
Time of open flow between initial and final tests, ___ hours
Static rock pressure, ___ psig (surface measurement) after ___ hours shut in

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DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Fractured December 1, 1980

Injun - 40,000 lb. 20/40 sand
26.8 BPM at 2000 lb.
1300 lb. breakdown
547 bbls. water

Perforations - 2193 - 2195, 3 holes
2228 - 2230, 3 holes
2246, 1 hole

ELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Sand & Shale			0	100	Water 95'
Sand			100	176	
Sand & Shale			176	700	
Sand			700	875	
Sand & Shale			875	1310	
Sand			1310	1350	
Sand & Shale			1315	1650	
Sand			1650	1785	
Sand & Shale			1785	2056	
Little Lime			2056	2077	
Pencil Cave			2072	2092	
Blue Monday Sand			2092	2112	
Big Lime			2112	2170	
Big Injun Sand			2170	2265	Gas at 2194, 2246
Sand & Shale			2265	2380	
Total Depth			2380		

(Attach separate sheets to complete as necessary)

Carson Petroleum Corporation
Well Operator

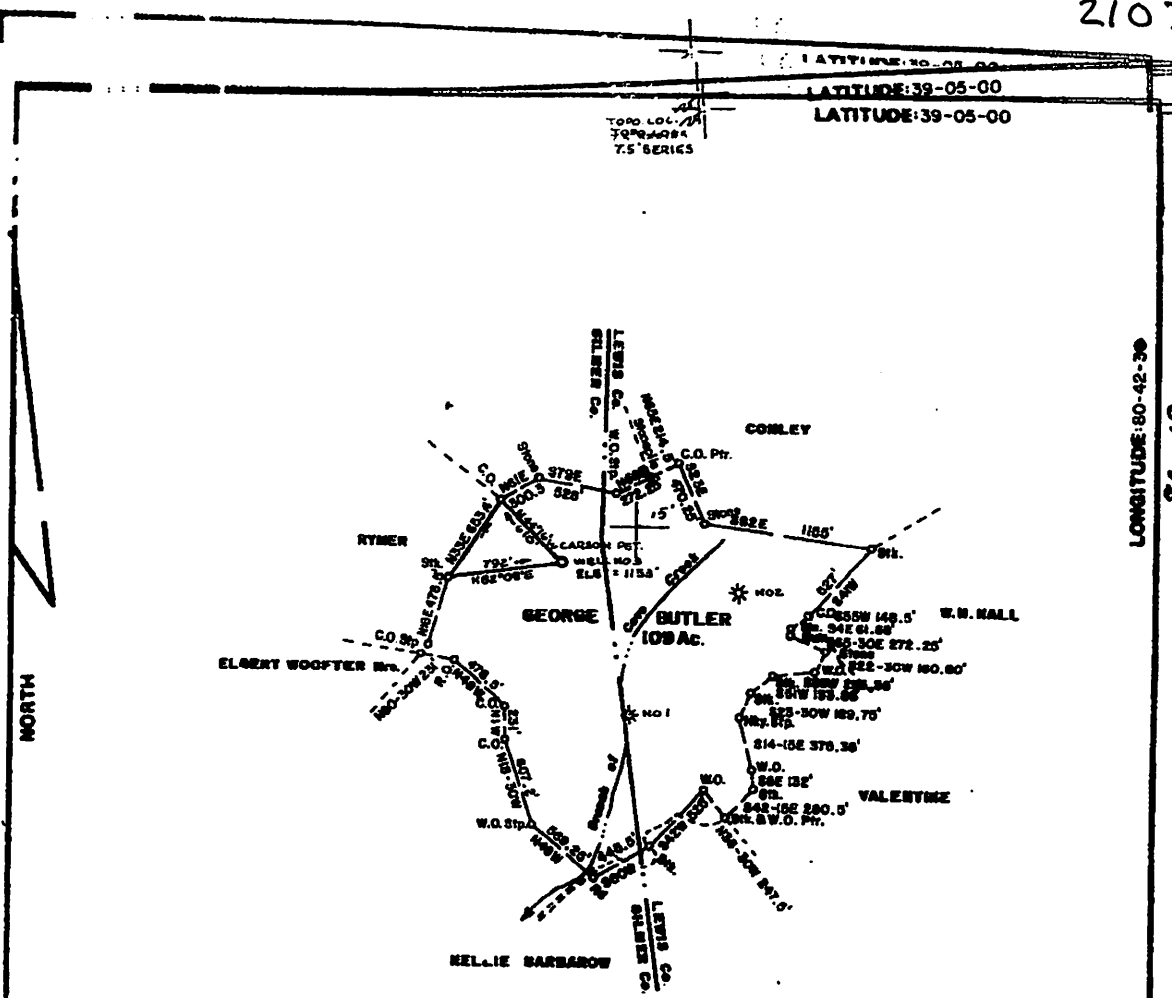
By Louell M. Johnson

Its Agent

NOTE: Regulation 2.02(f) provides as follows:

"The term 'log' or 'well log' shall mean a systematic, detailed geological record of all formations, including coal, encountered in the drilling of a well."

210 3705P



Surface: Paul S. Crowley, et al, 41.29Ac. & William R. Pointiff, et al, 7.71Ac., Troy, W.V. 26443.
 Oil & Gas: 1/2 Consolidated Gas Supply Corp., Clarksburg, W.V. 26301.
 1/2 Sidney T. Lewis, Weston, W.V. 26452.
 Coal: John P. Malloy Estate, et al, Weston, W.V. 26452.

FILE NO. _____
 DRAWING NO. _____
 SCALE 1 inch = 1000 feet
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION JCT OF ROAD 4990'
 S.W. OF LOC - ELEV = 861

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 MINES.
 (SIGNED) Mark C. Echard
 R.P.E. _____ L.L.S. 490

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE OCTOBER 27, 1980
 OPERATOR'S WELL NO. THREE
 API WELL NO. _____
47-021-3705
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (If "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1153' WATER SHED LITTLE COVE CREEK
 DISTRICT TROY COUNTY GILMER
 QUADRANGLE VADIS 7.5, 15'
 SURFACE OWNER Paul S. Crowley et al & William R. Pointiff et al ACREAGE 109
 OIL & GAS ROYALTY OWNER Consolidated Gas Supply Corporation LEASE ACREAGE 109
 LEASE N.J. _____
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON CLEAN OUT AND REPLUG _____
 TARGET FORMATION BIG INJUN ESTIMATED DEPTH 2450'
 WELL OPERATOR CARSON PETROLEUM CORP. DESIGNATED AGENT MR. LOWELL M. JOHNSON
 ADDRESS BOX 133 SAND FORK, W.V. 26430 ADDRESS BOX 133 SAND FORK, W.V. 26430

03/17/2017

2450 'INJUN'

2103705P

WW-4A
Revised 6-07

1) Date: 9/12/16
2) Operator's Well Number
G. butler #3
3) API Well No.: 47 - 021-03705

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 John A. & Deborah E. Tiburzi Address PO. Box 598, Troy WV 26443
(b) Name George W. & Barbara D. Adrian, ETAL. Address 177 Gerties La, Stuarts Draft, VA 24477
(c) Name Chase F. Jr. Address P.O. box , Round Hill VA 20142
5) (a) Coal Operator Name None Address _____
(b) Coal Owner(s) with Declaration _____
(c) Coal Lessee with Declaration _____
6) Inspector Danny Mullins Address 124 Bid Trace Fork Rd. 220 Jack Acres Rd. Harts WV 25524 Telephone 304 932 6844
Buckhannon, WV 26201

THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

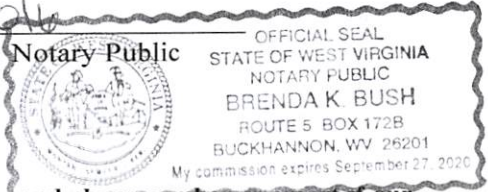
- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

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 Ross and Wharton Gas Company, INC.
By: Mike Ross
Its: Owner
Address RT 5, Box 29, Buckhannon, WV 26201
Telephone 304 472 4289

Subscribed and sworn before me this 14 day of October 2016
Sept 27, 2020 Brenda K Bush
My Commission Expires _____



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.

03/17/2017

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Ross and Wharton Gas Company, INC. OP Code 305680

Watershed (HUC 10) Little cove Creek Quadrangle Vadis

Elevation 1153 County Gilmer District Center

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes _____ No X

Will a pit be used for drill cuttings? Yes _____ No X

ANY WELL EFFLUENT MUST BE CONTAINED IN TANKS AND DISPOSED OF OFFSITE, PROPERLY.

If so, please describe anticipated pit waste: _____

Will a synthetic liner be used in the pit? Yes _____ No X If so, what ml.? X

Proposed Disposal Method For Treated Pit Wastes:

- _____ Land Application
- _____ Underground Injection (UIC Permit Number _____)
- _____ Reuse (at API Number _____)
- _____ Off Site Disposal (Supply form WW-9 for disposal location)
- X Other (Explain no fluids are expected in return, All fluids captured if returned into tank _____)

Will closed loop system be used? _____

Drilling medium anticipated for this well? Air, freshwater, oil based, etc. Brine water

-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? No Pit brine Water if any in tank

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, 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

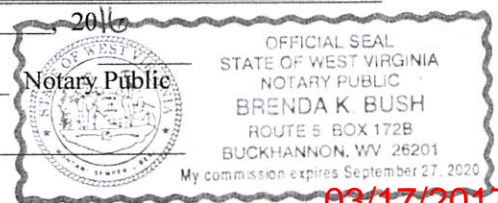
Company Official (Typed Name) Mike Ross

Company Official Title C.O.B.

Subscribed and sworn before me this 14 day of October

Brenda K Bush

My commission expires September 27, 2020



03/17/2017

Proposed Revegetation Treatment: Acres Disturbed _____ Prevegetation Ph 6.0
0.5 _____

Lime _____ 2Tons/acre or to correct to pH _____

Fertilizer type _____ 10-20-20 _____

Fertilizer amount _____ 500 lbs/acre

Mulch _____ 2 Tons/acre

.7M

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
KENTUCKY FESCUE	40	SAME	
ALSIKE CLOVER	5		
ANNUAL RYE	16		

Attach:

Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided)

Photocopied section of involved 7.5' topographic sheet.

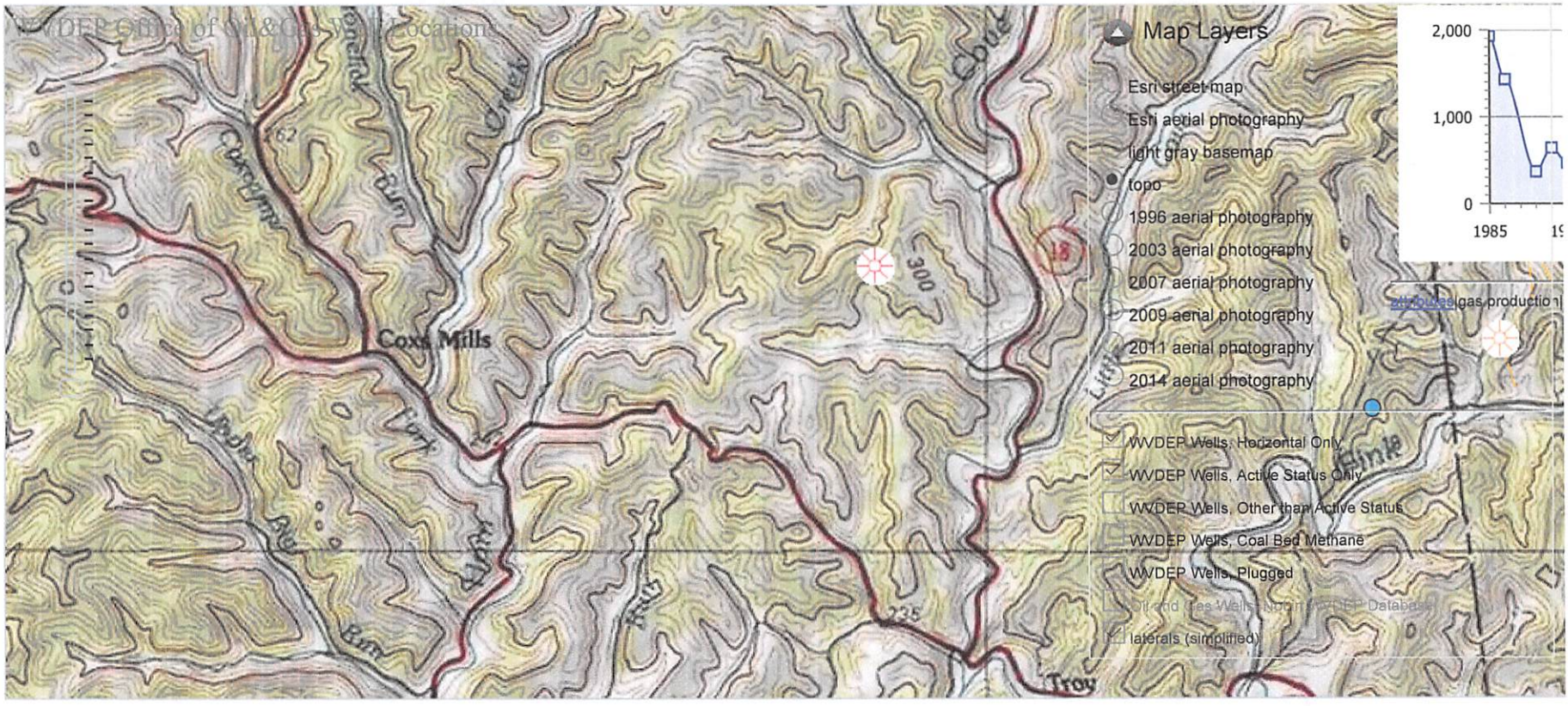
Plan Approved by: _____

Comments: _____

Title: _____ Date: _____

Field Reviewed? () Yes (/) No

2103705P



Attribute Search Result Table Location Search Legend About

#	API	Permit Type	Issued	Operator	Well Status	Well Type	Well Use	Well Num
1	021-03705	Other Well	1980-11-14	ROSS AND WHARTON GAS COMPANY, INC.	Abandoned Well	Vertical	Gas Production	3

2103705 P

WW-7
8-30-06



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

API: 47 021 03705 WELL NO.: George Butler #3

FARM NAME: George Butler

RESPONSIBLE PARTY NAME: Ross and Wharton Gas Company, INC.

COUNTY: Gilmer DISTRICT: Troy

QUADRANGLE: Vadis

SURFACE OWNER: John A. & Deborah E. Tiburzi

ROYALTY OWNER: George Butler

UTM GPS NORTHING: ~~4321138~~ 4321381.9

UTM GPS EASTING: ~~523358~~ 523357.2 GPS ELEVATION: 1153'

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 C.O.B. 10/14/16
Signature Title Date

03/17/2017