



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, June 3, 2020
WELL WORK PLUGGING PERMIT
Vertical Plugging

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

BUCKHANNON, WV 262010000

Re: Permit approval for O.L. GOLDSMITH 1
47-007-00494-00-00

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: O.L. GOLDSMITH 1
Farm Name: BELINDA SMITH AND/OR A+
U.S. WELL NUMBER: 47-007-00494-00-00
Vertical Plugging
Date Issued: 6/3/2020

Promoting a healthy environment.

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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.

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WW-4B
Rev. 2/01

MAR 24 2020

WV Department of
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- 1) Date February 18, 2020
- 2) Operator's Well No. O.L. Goldsmith #1
- 3) API Well No. 47-007 - 00494 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 1201' Watershed Bull Run
District Otter County Braxton Quadrangle Burnsville
- 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 9) Plugging Contractor
Name Danny Mullins Name N/A
Address 220 Jack Acres Rd. Address _____
Buckhannon, WV 26201

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 2150' to TD (2310') Plug 100' above top perf
- Set 100' cement plug across casing cut
- Set 200' cement plug 1700' to 1900' Big Lime and gas shows
- Set 100' cement plug 1150' to 1250' (salt bearing strata), elevation plug
- Set cement plug 300 to 400' (10" casing plug, freshwater protection plug)
- Set cement plug 100' to surface, 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

Quadrangle Burnsville SW

Permit No. BRAX-194

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company The Waverly Oil Works Company
Address 4403 Centre Ave., Pittsburgh 13, Pa.
Farm O. L. Goldsmith Acres 50
Location (waters) Bill Run
Well No. 1 Elev. 1201 ft.
District Otter County Braxton
The surface of tract is owned in fee by Charles S. Pierce,
175 SW 11th St. Address Miami, Florida
Mineral rights are owned by Ray L. Goldsmith,
R.D. No. 1 Address Carrollton, Ohio
Drilling commenced October 23, 1961
Drilling completed November 21, 1961
Date Shot - From - To -
With -
Open Flow /10ths Water in - Inch
- /10ths Merc. in - Inch
Volume - Cu. Ft.
Rock Pressure - lbs. - hrs.
Oil - bbls., 1st 24 hrs.
WELL ACIDIZED -

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer <u>-</u>
18 <u>Wood Conductor</u>			<u>None</u>
10 <u>3/4</u>	<u>346' 6"</u>	<u>346' 6"</u>	Size of <u>-</u>
8 <u>1/2</u>	<u>852' 1"</u>	<u>-</u>	Depth set <u>-</u>
6 <u>3/4</u>	<u>2066' 6"</u>	<u>-</u>	
5 <u>1/2</u>	<u>2306' 3"</u>	<u>2306' 3"</u>	
3			Perf. top <u>-</u>
<u>1</u>	<u>-</u>	<u>2269' 0"</u>	Perf. bottom <u>-</u>
Liners Used			Perf. top <u>-</u>
			Perf. bottom <u>-</u>

DM

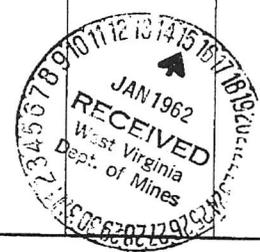
CASING CEMENTED 4 1/2" SIZE No. Ft. 11/31/61 Date
and Aquagel to surface 60 sks. cement, 10 baroid
COAL WAS ENCOUNTERED AT - FEET - INCHES
- FEET - INCHES
- FEET - INCHES

WELL FRACTURED December 5 & 6, 1961 "Riverfrac" 738 bbls. water - 50,000 pounds sand
spearheaded with 1,500 gals. acid (15%)
RESULT AFTER TREATMENT 1,430,000 cu. ft. after blown 7 1/2 hours
ROCK PRESSURE AFTER TREATMENT 650 PSI - 15 hours
Fresh Water 53 Feet Salt Water 1870 Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Clay			0	20			
Blue Shale			20	50			
Lime			50	60			
Blue Shale			60	65			
Lime			65	70			
Blue Shale			70	100			
Lime			100	150			
Blue Shale			150	218			
Lime			218	248			
Blue Shale			248	269			
Lime			269	285			
Hard Sharp Sand			285	325			
Blue Shale			325	335			
Red Rock			335	342			
Gray Slate			342	360			
Gray Lime			360	368			
Hard Sand			368	388			
Red Rock			388	395			
Lime			395	405			
Red Rock			405	465			
Gray Lime			465	483			
Gray Sand			483	520			
Gray Slate			520	530			
Gray Lime			530	555			
Gray Slate			555	565			
Gray Lime			565	572			
Black Slate			572	594			

Water at 53'

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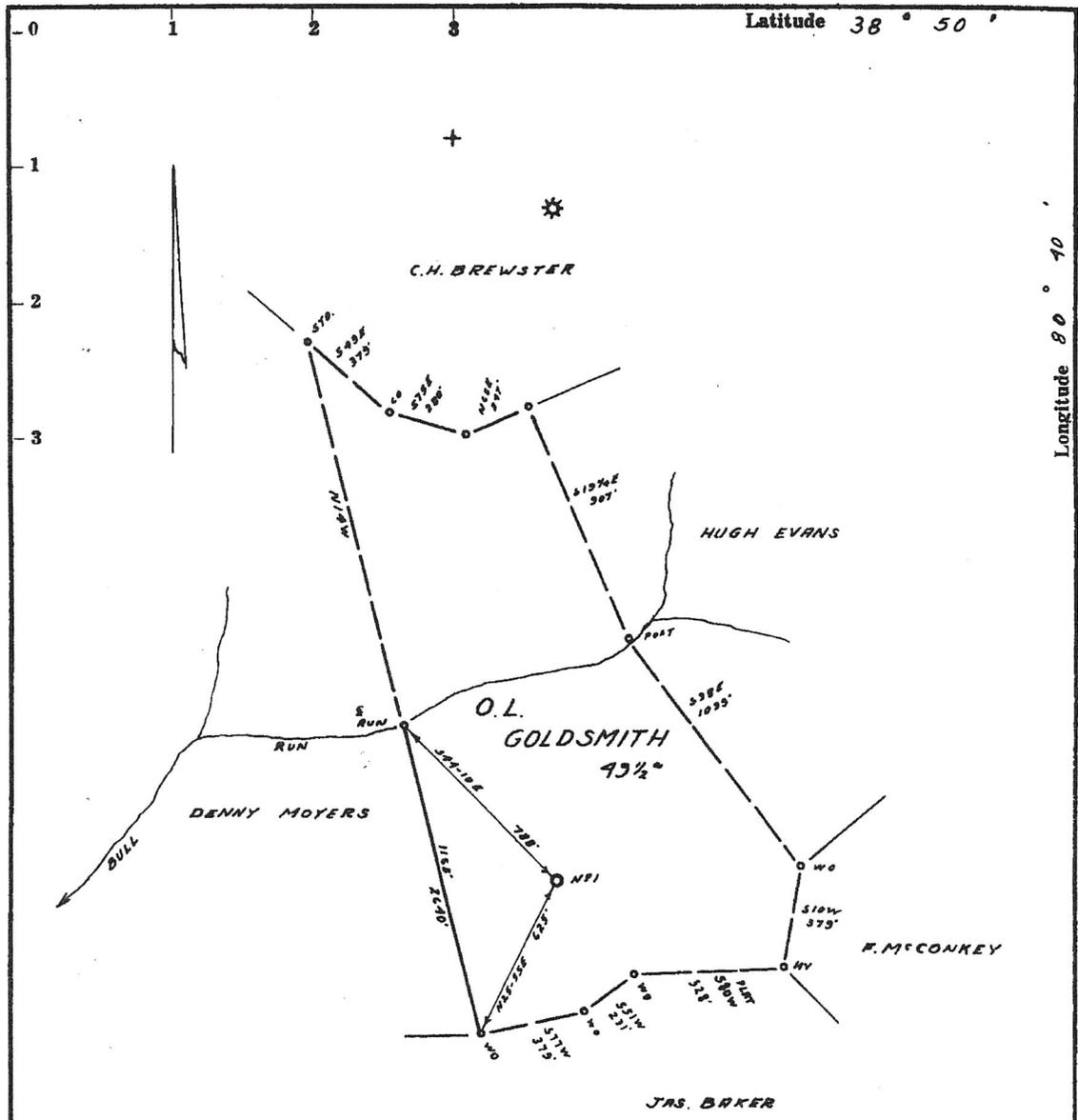


Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Gray Lime			594'	602'			
Sand			602'	607'			
Blue Shale			607'	615'			
Red Rock			615'	618'			
Gray Sand			618'	630'			
Gray Lime			630'	675'			
Gray Shale			675'	704'			
Sand			704'	775'			
Lime			775'	790'			
Gray Shale			790'	827'			
Red Rock			827'	831'			
Gray Shale			831'	850'			
Gray Lime			850'	870'			
Sand			870'	1006'			
Gray Slate			1006'	1030'			
Sand			1030'	1145'			
Shale			1145'	1165'			
Sand			1165'	1218'			
Shale			1218'	1260'			
Sand & Slate			1260'	1330'			
Sand			1330'	1338'			
Slate			1338'	1375'			
Lime			1375'	1382'			
Slate & Shells			1382'	1677'			
Sand (Hard)			1677'	1730'			
Slate			1730'	1755'			
Lime			1755'	1765'			
Sand			1765'	1798'	Gas - 1777'		
Shale			1798'	1810'			
Lime			1810'	1818'			
Sand			1818'	1889'	Oil & Water - 1870'	Gas - 1848'	
Lime			1889'	1894'			
Slate & Shells			1894'	1925'			
Red Rock			1925'	1940'			
Slate			1940'	1953'			
Red Rock			1953'	1964'			
Slate			1964'	1985'			
Little Lime			1985'	2021'			
Sand			2021'	2037'			
Shale (Pencils)			2037'	2042'			
Big Lime			2042'	2106'			
Eig Injun			2106'	2250'	2250' - soft		
Shale			2260'	2263'	2256' - 1st. gas		
Sand			2263'	2270'			
Shale			2270'	2300'			
Total Depth				2310'			

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Date January 12, 19 62

APPROVED The Waverly Oil Works Company, Owner
By Charles E. Loane Engineer
Charles E. Loane (Title)



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- Redrill.....
- New Location.
- Drill Deeper.....
- Abandonment.....

Company WAVERLY OIL WORKS CO.
 Address PITTSBURGH, PA.
 Farm O. L. GOLDSMITH
 Tract _____ Acres 49 1/2 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 1201' V.A.
 Quadrangle BURNSVILLE SW 1/2
 County BRAXTON District OTTER
 Engineer JAMES J. GIFFIN
 Engineer's Registration No. 1084
 File No. 202/32 Drawing No. _____
 Date 10-5-61 Scale 1" = 500'

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

WELL LOCATION MAP
FILE NO. BRAX-494

+ 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

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1) Date: February 18, 2020
2) Operator's Well Number
O.L. Goldsmith #1
3) API Well No.: 47 - 007 - 00494

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

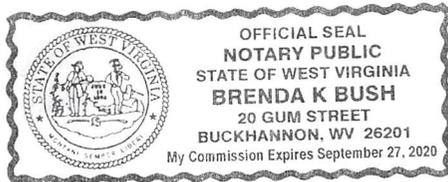
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Belinda Smith and/or Amanda Steiger</u>	Name <u>N/A</u>
Address <u>2695 Big Bull Run</u>	Address _____
<u>Cedarville, WV 26611</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>N/A</u>
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Danny Mullins</u>	(c) Coal Lessee with Declaration
Address <u>220 Jack Acres</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 Ross & Wharton Gas Co. Inc.
 By: Duke Ross
 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.
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.

47-007-00494P

WW-9
(5/16)

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MAR 24 2020

API Number 47 - 007 - 00494
Operator's Well No. C. L. Goldsmith #1

WV Department of
Environmental Protection

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) Bull Run Quadrangle Burnsville

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 OFFSITE. gwm*

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 5th day of March, 2020

Brenda K Bush

Notary Public

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 _____ lbs/acre

Mulch Hay 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: [Signature]

Comments: _____

Title: 005 Inspector Date: 3-6-2020

Field Reviewed? () Yes () No

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N/A

WW-9- GPP
Rev. 5/16

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Page 1 of 2
API Number 47 - 007 - 00494
Operator's Well No. O. L. Goldsmith #1

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): Bull Run Quad: Burnsville

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.

Bull 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

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WW-9- GPP
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Operator's Well No. O.L. Goldsmith #1

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Environmental Protection

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.

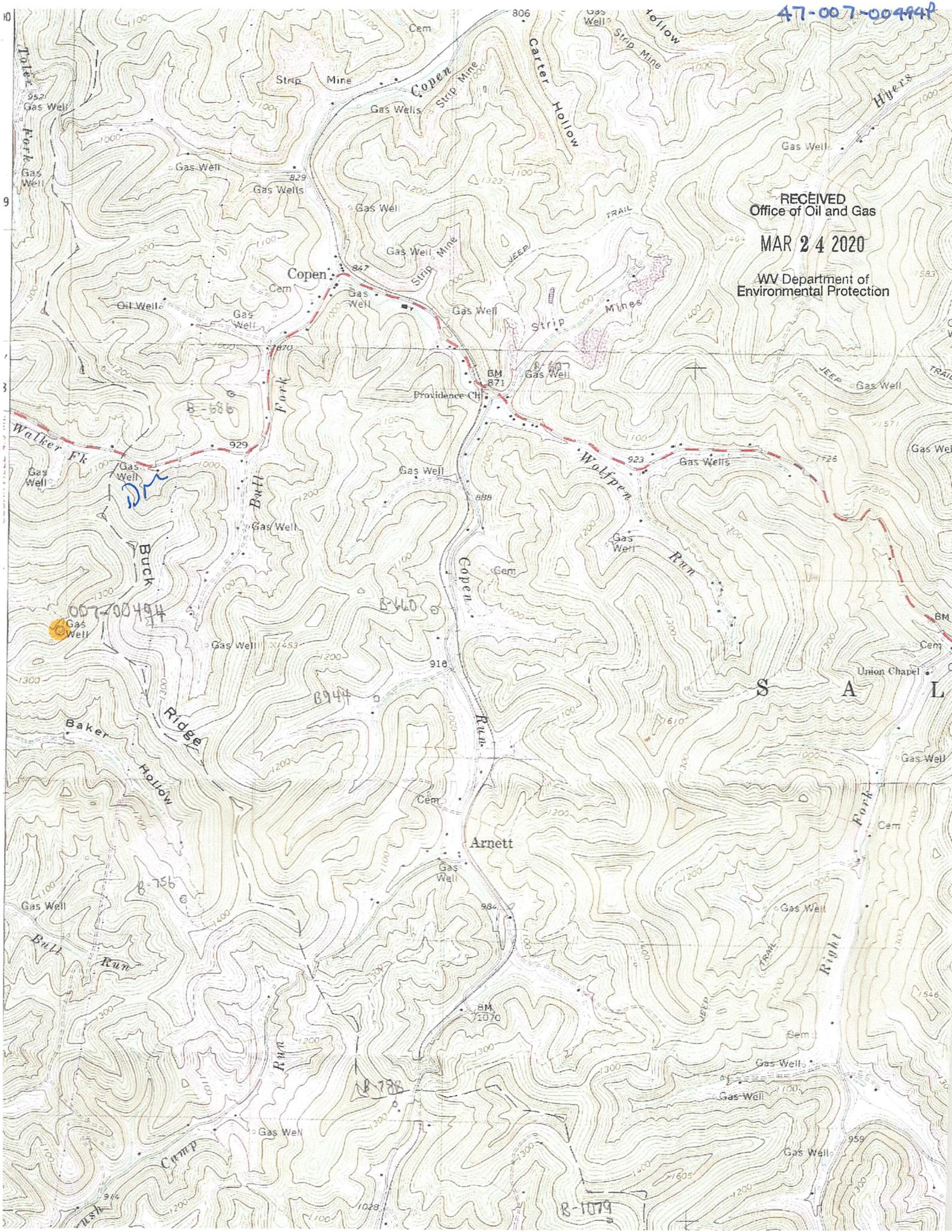
N/A

Signature: Styke Rest

Date: March 5, 2020

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47-007-00494P

WW-7
8-30-06

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West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-007-00494 WELL NO.: 1

FARM NAME: O.L. Goldsmith

RESPONSIBLE PARTY NAME: Mike Ross

COUNTY: Braxton DISTRICT: Otter

QUADRANGLE: Burnsville

SURFACE OWNER: Belinda Smith and/or Amanda Steiger

ROYALTY OWNER: _____

UTM GPS NORTHING: 4296846.8

UTM GPS EASTING: 521998.3 GPS ELEVATION: 1201'

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

President

March 5, 2020

Signature

Title

Date