



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

Friday, April 07, 2017
WELL WORK PERMIT
Vertical / Plugging

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

BUCKHANNON, WV 262010000

Re: Permit approval for 1-42
47-007-00803-00-00

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: 1-42
Farm Name: ROSS, MIKE
U.S. WELL NUMBER: 47-007-00803-00-00
Vertical / Plugging
Date Issued: 4/7/2017

Promoting a healthy environment.

04/07/2017

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.

700803P

WW-4B
Rev. 2/01

1) Date February 16, 2017
2) Operator's
Well No. Belknap, Donnie #1
3) API Well No. 47-007 - 00803

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 1157 Watershed _____
District Otter County Braxton Quadrangle Burnsville

6) Well Operator Ross & Wharton 7) Designated Agent Mike Ross
Address Route 5 Box 29 Address PO Box 219
Buckhannon, WV 26201 Coalton, WV 26257

8) Oil and Gas Inspector to be notified Name Danny Mullins
Address 220 Jack Acres Road
Buckhannon, WV 26201
9) Plugging Contractor Name Unknown
Address _____

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

- 2365 - TD
 - Run 6% Gel between each plug
 - 2365 - 2100 Set Cement Plug
 - 1050 - 950 Set Cement Plug
 - 125 - 0 Set Cement Plug
 - Set Monument with API Number
- TO C OF 4 1/2" ≈ 1000'

1157 elevation cover with 100 foot cement plug

Free point and pull an Casey 4 1/2 ≈ 1000'

RECEIVED
Office of Oil and Gas

MAR 06 2017

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

WV Department of
Environmental Protection

Work order approved by inspector *Danny Mullins* Date 3-1-17

04/07/2017



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools 3/27/69
Storage Post 4-CEN
Gas
Oil or Gas Well (KIND)

Quadrangle Burnsville 7-21
Permit No. BRAX - 803

WELL RECORD

Company White Shield Oil & Gas Corporation
Address P.O. Box 2139 - Tulsa, Okla. 74101
Farm Donnie Belknap Acres 53
Location (waters) _____
Well No. One Elev. 1157'
District Otter County Braxton
The surface of tract is owned in fee by Arden Williams
Address (Not available)
Mineral rights are owned by * See footnote
Address _____
Drilling commenced 12-10-68
Drilling completed 12-17-68
Date Shot 12-17-68 From 2156' To 2336'
With Various
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) w/2046 BW 60,000# 20-40 sand, 30,000# 10-20 sand, 250# J-166, 4.0 gals. F52
RESULT AFTER TREATMENT (Initial open Flow or bbls.) 1.5 MMCFPD
ROCK PRESSURE AFTER TREATMENT 560# HOURS _____
Fresh Water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Big Injun Depth 2156'

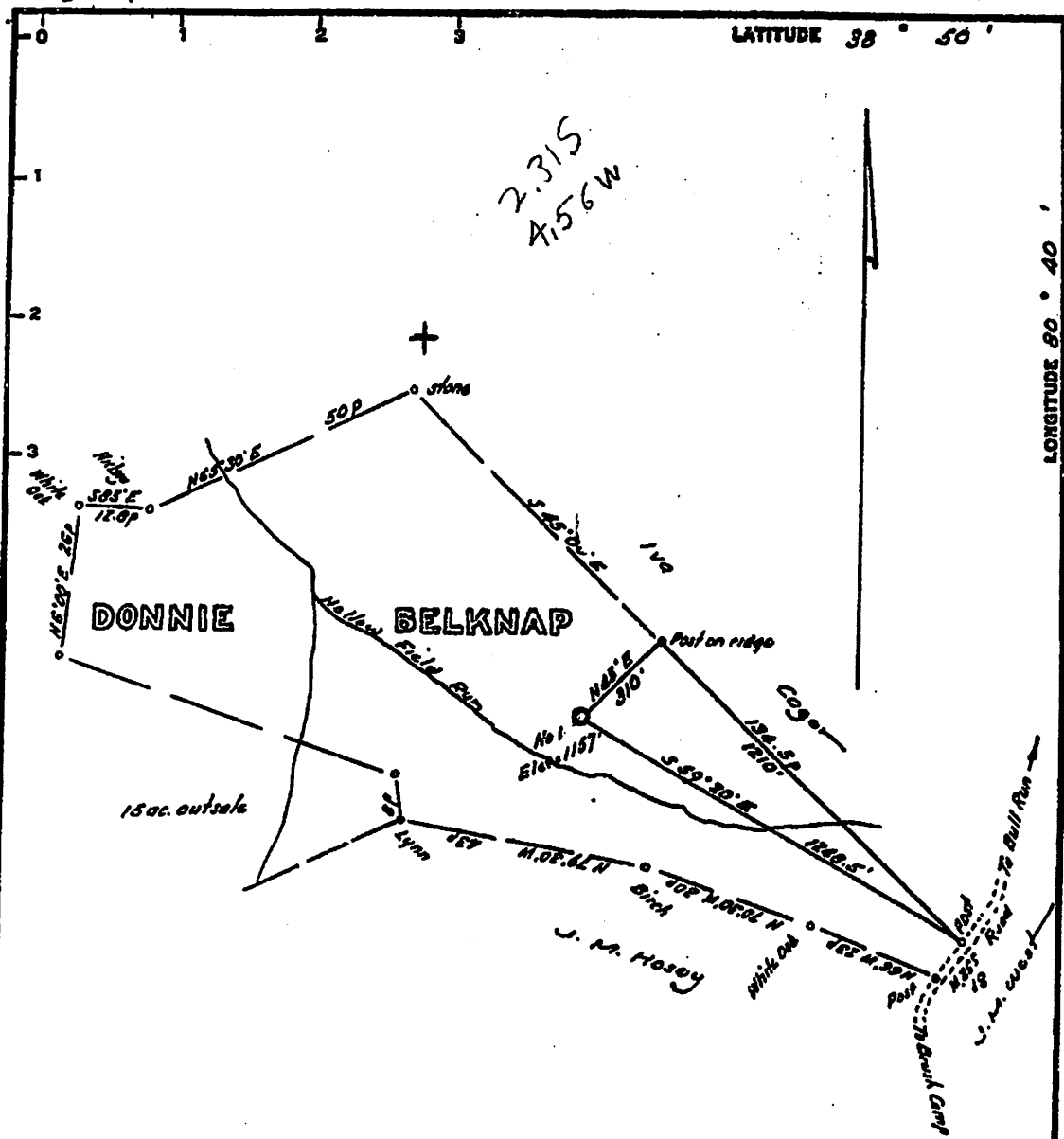
| Casing and Tubing | Used in Drilling | Left in Well | Packers |
|-------------------|------------------|--------------|---------------------------|
| Size | | | Kind of Packer |
| 16. | | | |
| 13. | | | |
| 10. | | | Size of |
| 8 5/8 | 124' | 124' | |
| 6 3/4 | | | Depth set |
| 5 3/16 | | | |
| 4 1/2 | 2350' | 2350' | |
| 3. | | | Perf. top <u>2156'</u> |
| 2. | | | Perf. bottom <u>2336'</u> |
| Liners Used | | | Perf. top _____ |
| | | | Perf. bottom _____ |

Attach copy of cementing record.
CASING CEMENTED 2350' SIZE 1/2 No. Ft. 12-17-68 Date
Amount of cement used (bags) 250 sx.
Name of Service Co. _____
COAL WAS ENCOUNTERED AT NONE FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

| Formation | Color | Hard or Soft | Top | Bottom | Oil, Gas or Water | Depth | Remarks |
|-----------------|-------|--------------|------|--------|--------------------------------|-------|---------|
| Surface | | | 0 | 458 | * Equitable Gas Company | | |
| Sand & Shale | | | 458 | 955 | 420 Boulevard, Pittsburgh, Pa. | | |
| Sand & Shale | | | 955 | 1072 | | | |
| Sand & Shale | | | 1072 | 1489 | Donnie Belknap | | |
| Sand & Shale | | | 1489 | 1631 | Exchange, West Virginia | | |
| Sand & Shale | | | 1631 | 1885 | | | |
| Shale, Red Rock | | | 1885 | 1975 | Charles Shock Heirs | | |
| Little Lime | | | 1975 | 2017 | (No address) | | |
| Pencil Cave | | | 2017 | 2033 | | | |
| Big Lime | | | 2033 | 2185 | | | |
| Big Lime | | | 2185 | 2260 | | | |
| Big Lime | | | 2260 | 2350 | | | |
| | | | | 2365 | T.D. | | |



1157



Minimum Error of Closure... 1 in 200'

Source of Elevation... Elev. J.M. Hossy No. 1 - 1837

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.

- Fracture
- New Location
- Drill Deeper
- Abandonment

Signed Walter J. [Signature]
 Engineer N O E W

Company White Shield Oil & Gas Corp.
 Address P.O. Box 2139, Tulsa, Oklahoma
 Farm Donnie Belknap
 Tract _____ Acres 38 Lease No. _____
 Well (Farm) No. One Serial No. _____
 Elevation (Spirit Level) 1157
 Quadrangle Burnsville SW
 County Braxton District Other
 Engineer Walter J. [Signature]
 Engineer's Registration No. 1287
 File No. _____ Drawing No. _____
 Date Dec 2, 1968 Scale _____

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

WELL LOCATION MAP
 FILE NO. Brax-803

+ 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.

RECEIVED
 Office of Oil and Gas
 MAR 06 2017
 WV Department of Environmental Protection

WW-4A
Revised 6-07

1) Date: February 16, 2017
2) Operator's Well Number
Belknap, Donnie #1
3) API Well No.: 47 - 007 - 00803

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>Mike Ross</u> | Name <u>N/A</u> |
| Address <u>PO Box 219</u> | Address _____ |
| <u>Coalton, WV 26257</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 Road</u> | Name <u>N/A</u> |
| <u>Buckhannon, WV 26201</u> | Address _____ |
| Telephone <u>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.

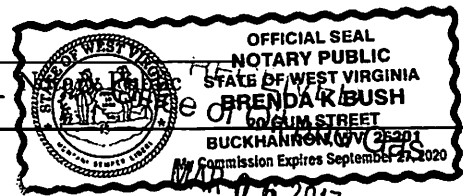
The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

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 (Mike Ross Inc.)
 By: Mike Ross
 Its: President
 Address PO Box 219
Coalton, WV 26257
 Telephone 304-472-4289

Subscribed and sworn before me this 16th day of February, 2017

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.

04/07/2017

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

CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name Ross & Wharton (Mike Ross Inc.) OP Code 305680

Watershed _____ Quadrangle Burnsville

Elevation 1157 County Braxton District Otter

Description of anticipated Pit Waste: Plugging Fluid

Will a synthetic liner be used in the pit? Yes 20 mil.

*ANY WELL EFFLUENT MUST BE
DISPOSED OF OFF-SITE PROPERLY.
form*

Proposed Disposal Method For Treated Pit Wastes:

- NO Land Application
- _____ Underground Injection (UIC Permit Number _____)
- _____ Reuse (at API Number _____)
- _____ Off Site Disposal (Supply form WW-9 for disposal location)
- _____ Other (Explain _____)

Proposed Work For Which Pit Will Be Used:

- _____ Drilling
- _____ Workover
- _____ Other (Explain _____)
- _____ Swabbing
- X Plugging

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 President

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Office of Oil and Gas

Subscribed and sworn before me this 17th day of February, 2017 MAR 06 2017

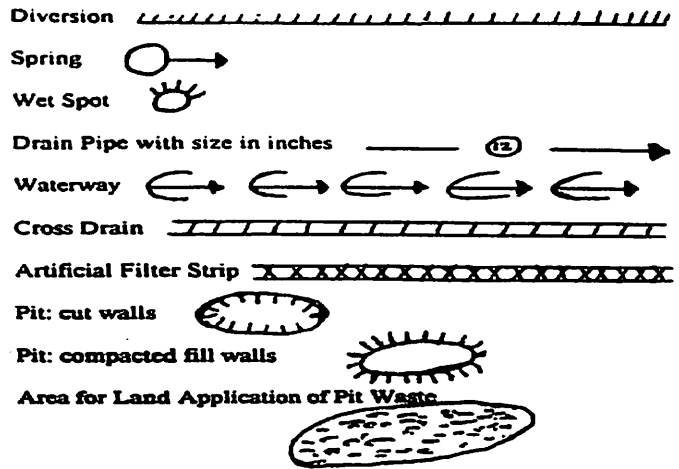
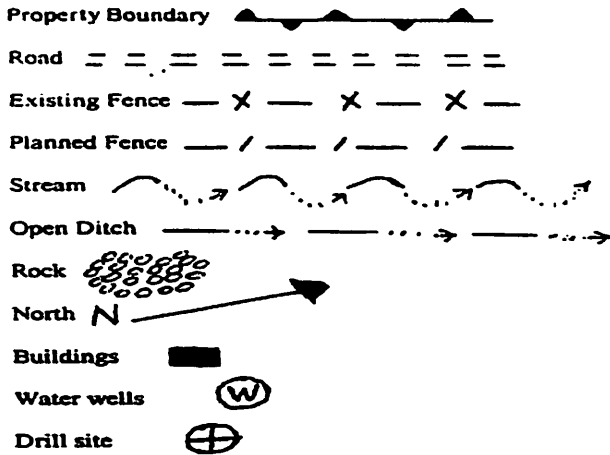
Brenda K Bush
Notary Public
WV Department of Environmental Protection

My commission expires September 27, 2020



04/07/2017

LEGEND



Proposed Revegetation Treatment: Acres Disturbed 1 Acre Prevegetation pH 6.5

Lime 2 Tons/acre or to correct to pH 6.5

Fertilizer (10-20-20 or equivalent) 50% lbs/acre (500 lbs minimum)

Mulch _____ Tons/acre

Seed Mixtures

| Seed Type | Area I lbs/acre | Seed Type | Area II lbs/acre |
|-----------------|--------------------|-----------|---------------------|
| Fescue | | | |
| Contractors Mix | | | |
| | | | |

Attach:
Drawing(s) of road, location, pit and proposed area for land application.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: _____

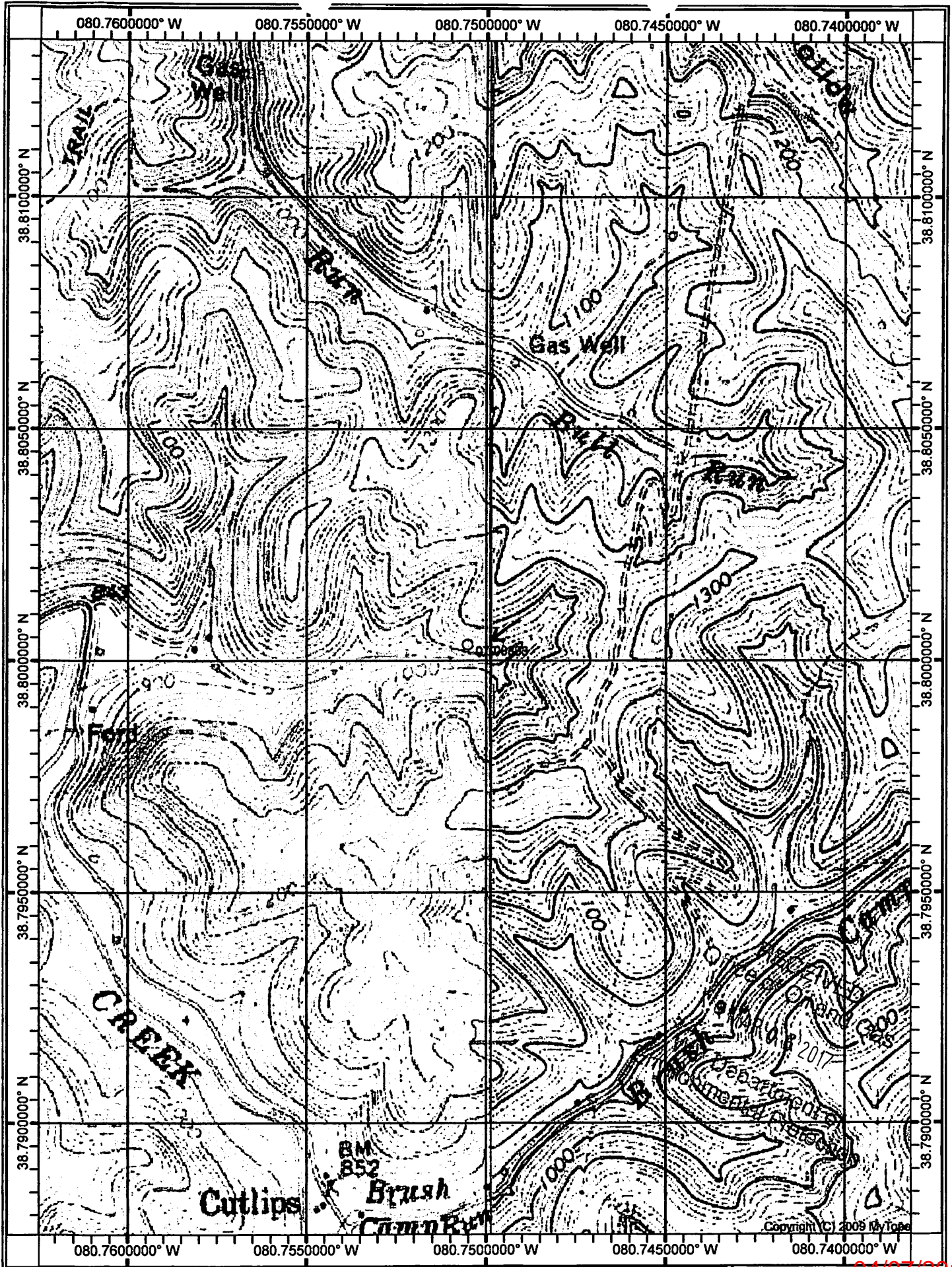
Comments: _____

RECEIVED
Office of Oil and Gas
MAR 06 2017

Title: President

Date: February 16, 2017 WV Department of Environmental Protection

Field Reviewed? () Yes () No





West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-007-00803 WELL NO.: 1

FARM NAME: Belknap, Donnie

RESPONSIBLE PARTY NAME: Mike Ross

COUNTY: Braxton DISTRICT: Otter

QUADRANGLE: Burnsville

SURFACE OWNER: Mike Ross

ROYALTY OWNER: Donnie Belknap

UTM GPS NORTHING: 4294652.9

UTM GPS EASTING: 521666.9 GPS ELEVATION: 1157

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

RECEIVED
Office of Oil and Gas
April 6 2017
WV Department of Environmental Protection
Date

04/07/2017