



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304
(304) 926-0450
(304) 926-0452 fax

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

April 21, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-2103142, issued to EQT PRODUCTION COMPANY, 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 all 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. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalties being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.

James Martin

Chief

Operator's Well No: 7245

Farm Name: MILES

API Well Number: 47-2103142

Permit Type: Plugging

Date Issued: 04/21/2015

Promoting a healthy environment.

04/24/2015

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.

Form WW-4 (B)
Permit Copy
(Rev 2/01)

Date: 3-4-15
Operator's Well
Well No. 607245 C.H. Miles 7245
API Well No.: 47 021 - 03142

STATE OF WEST VIRGINIA
DIVISION 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) Elevation: 1,004 FT Watershed: Messenger Run of Stewarts Ck of Little Kanawha River
Location: Glennville County: Gilmer Quadrangle: Glennville 7.5'
District: _____

6) Well Operator EQT Production Company
120 Professional Place
Address: Bridgeport, WV 26330

7) Designated Agent: Rex C. Ray
Address: 120 Professional Place
Bridgeport, WV 26330

8) Oil & Gas Bryan Harris
Name: P.O. Box 157
Address: Volga, WV 26238

9) Plugging Contractor:
Name: HydroCarbon Well Service
Address: PO BOX 995
Buckhannon, WV 26201

10) Work Order: The work order for the manner of plugging this well is as follows:
See Attachment for details and procedures.

OFFICE USE ONLY

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

Work order approved by inspector *Bryan O'Hara* Date 3-17-15

PLUGGING PROGNOSIS - Weston

Miles, C.H. #7245 (607245)

GILMER, Co, WV
 API # 47-021-03142
 District Glenville

BY: Craig Duckworth
 DATE: 2/19/15

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 Office of Oil and Gas

MAR 10 2015

WV Department of
 Environmental Protection

CURRENT STATUS:

10" csg @ 140'
 8 1/4" csg @ 775'
 6 5/8" csg @ 1581'
 3" tbg @ 137'
 2" tbg @ 1613' (packer @ 1613')

TD @ 1750'

Fresh Water @ None reported

Salt Water @ None reported

1st Salt Sand @ 1410'

Coal @ 840'-845'

Gas shows @ Rosedale Gas Sand @ 1332'; Salt Sand @ 1362'; Maxton @ 1373'; Big Injun @ 1738'

Oil Shows @ None Reported

Stimulation: Fractured

Elevation: 1004'

1. Notify State Inspector, Bryan Harris 304-553-6087, 24 hrs. Prior to commencing operations.
2. Attempt to pull 2" tbg if unable to pull cut 2" tbg off at packer @ 1613' TOO H w/2" tbg
3. Set a 100' C1A Cement Plug 50' In/Out of cut. Perf all FW, Coal, Oil and Gas shows below 2" & 6 5/8" cut. Do not omit any plugs
4. TIH w/ tbg @ 1750'; Set 220' C1A Cement Plug @ 1750' to 1530' (Big Injun @ 1738' & 6 5/8" csg @ 1581') TOO H w/6 5/8" csg
5. TIH w/ tbg @ 1530; gel hole @ 1530' to 1410'.
6. TOO H w/ tbg @ 1410'; Set 100' C1A Cement Plug @ 1410' to 1310' (Salt Sand @ 1410 , Maxon @ 1373 & Rosedale Gas Sand @ 1332')
7. TOO H w/ tbg @ 1310; gel hole @ 1310' to 1004'.
8. TOO H w/ tbg @ 1004'; Set 300' C1A Cement Plug @ 1004' to 704' (Elevation @ 1004' , Coal @ 840'-845' & 8 1/4" @ 775') TOO H w/8 1/4" csg
9. Set a 100' C1A Cement Plug 50' In/Out of cut. Perf all FW, Coal, Oil and Gas shows below 8 1/4" cut. Do not omit any plugs
10. TIH w/ tbg @ 704'; gel hole @ 704' to 200'
11. TOO H w/ tbg @ 200'; Set 200' C1A Cement Plug @ 200' to 0 (Surface & 10" csg @ 140')
12. Set a 100' C1A Cement Plug 50' In/Out of cut. Perf all FW, Coal, Oil and Gas shows below 10" cut. Do not omit any plugs.
12. Top off as needed
13. Set Monument to WV-DEP Specifications
14. Reclaim Location & Road to WV-DEP Specifications

ATTEMPT TO CUT & PULL ALL CASING.

JWM

04/24/2015

WW-4-A
Revised 6/07

RECEIVED
Office of Oil and Gas

1) Date: 3-4-15
2) Operator's Well Number
607245 C.H. Miles 7245
3) API Well No.: 47 021 - 03142
State County Permit

MAR 10 2015

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL & GAS
Department of Environmental Protection
NOTICE AND APPLICATION TO PLUG AND ABANDON WELL

4) Surface Owner(s) to be served:
(a) Name Benny McCune
Address 77 Messenger Run
Glenville, WV 26351
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Bryan Harris
Address P.O. Box 157
Volga, WV 26238
Telephone (304)-553-6087

5) (a) Coal Operator:
Name None
Address _____
(b) Coal Owner(s) with Declaration
Name I.L. Morris
P.O. Box 397
Address Glenville, WV 26351
Name Ernest L. Arbuckle Family Trust
Address C/O Security National Trust Co.
1300 Chapline Street.
Wheeling, WV 26003
(c) Coal Lessee with Declaration
Name None
Address _____

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 Division 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:
By: _____
IS: _____
Address: _____
Telephone: _____

EQT Production Company
Victoria J. Roark
Permitting Supervisor
PO Box 280
Bridgeport, WV 26330
(304) 848-0076

Subscribed and sworn before me this 4 day of March, 2015
[Signature] Notary Public
My Commission Expires: 8-24-22

The Office of Oil & Gas processes your personal information, such as name, address and phone number, as 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.

2103142P

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77 Messenger Run

Postmark Here

Benny McCune
77 Messenger Run
Glennville, WV 26351

607245 Plugging

04/24/2015

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I.L. Morris

I.L. Morris
P.O. Box 397
Glenville, WV 26351

607245 Plugging

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Ernest L. Arbuckle Family Trust
C/O Security National Trust Co.

Ernest L. Arbuckle Family Trust
C/O Security National Trust Co.
1300 Chapline Street.
Wheeling, WV 26003
607245 Plugging

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Environmental Protection

04/24/2015

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Revised 2/03

MAR 10 2015

Page ____ of ____

2) Operator's Well Number

607245 C.H. Miles 7245

3) API Well No.: 47 021 - 03142

WV Department of
Environmental Protection

STATE OF WEST VIRGINIA

DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL & GAS
CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name: EQT PRODUCTION COMPANY OP ID: _____

Watershed: Messenger Run of Stewarts Ck of Little Kanawha River Quadrangle: Glennville 7.5'

Elevation: 1,004 FT County: Gilmer District: Glennville

Description of anticipated Pit Waste: Formation Fluids

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

Will synthetic liner be used in the pit? Yes Is so, what ml.? 10 ml 20 ml.

Proposed Disposal Method for Treated Pit Wastes:

- Land Application
- Underground Injection - UIC Permit Number _____
- Reuse (at API Number) _____
- Offsite Disposal Permit #. _____
- Other: Explain _____

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

If oil based, what type? Synthetic, petroleum, etc.

Additives to be used? _____

Will closed loop system be used? _____

Drill Cuttings disposal method? Leave in pit, landfill, remove offsite, etc.

If left in pit and plan to solidify what medium will be used? Cement, Lime, sawdust

Landfill or offsite name/permit number? _____

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 Division of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any terms 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 *Victoria Roark*

Company Official (Typed or Printed) Victoria Roark

Company Official Title Permitting Supervisor-WV

Subscribed and sworn before me this 4 day of March, 2015

Pamela Sykes Notary Public
My Commission Expires 8-24-22



2015

NOTARY PUBLIC

STATE OF WEST VIRGINIA

My Commission Expires April 24, 2015

My Commission Expires April 24, 2015

My Commission Expires April 24, 2015

My Commission Expires April 24, 2015

My Commission Expires April 24, 2015

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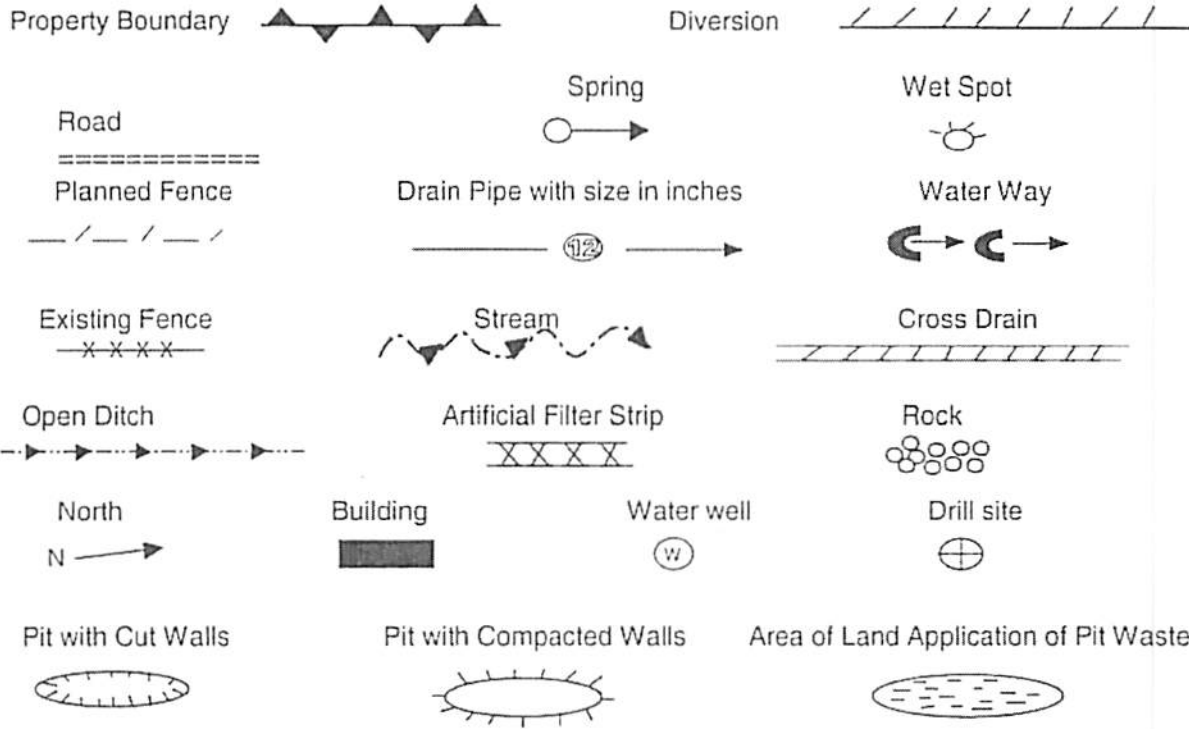


OFFICIAL SEAL
STATE OF WEST VIRGINIA
NOTARY PUBLIC
Patricia Sykes
EOT Production
PO Box 580
Bridgeport, WV 26330
My Commission Expires April 24, 2015

04/24/2015

OPERATOR'S WELL NO.:
607245 C.H. Miles 7245

LEGEND



Proposed Revegetation Treatment: Acres Disturbed: 1± Prevegetation pH _____

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer (10-20-20) or equivalent 1/3 ton lbs/acre (500 lbs minimum)

Mulch 2 Tons/acre or hydroseed.

SEED MIXTURES

Area I		Area II	
Seed Type	lbs/acre	Seed Type	lbs/acre
Red Fescue	40	Red Fescue	15
Alsike Clover	5	Alsike Clover	5
Annual Rye	15		

ATTACH:

Drawing(s) of road, location, pit and proposed area for land application.
Photocopies section of involved 7.5' topographic sheet.

Plan approved by: Bryan O'Hara

Comments: _____

Title: Oil & Gas Inspector Date: 3-17-15

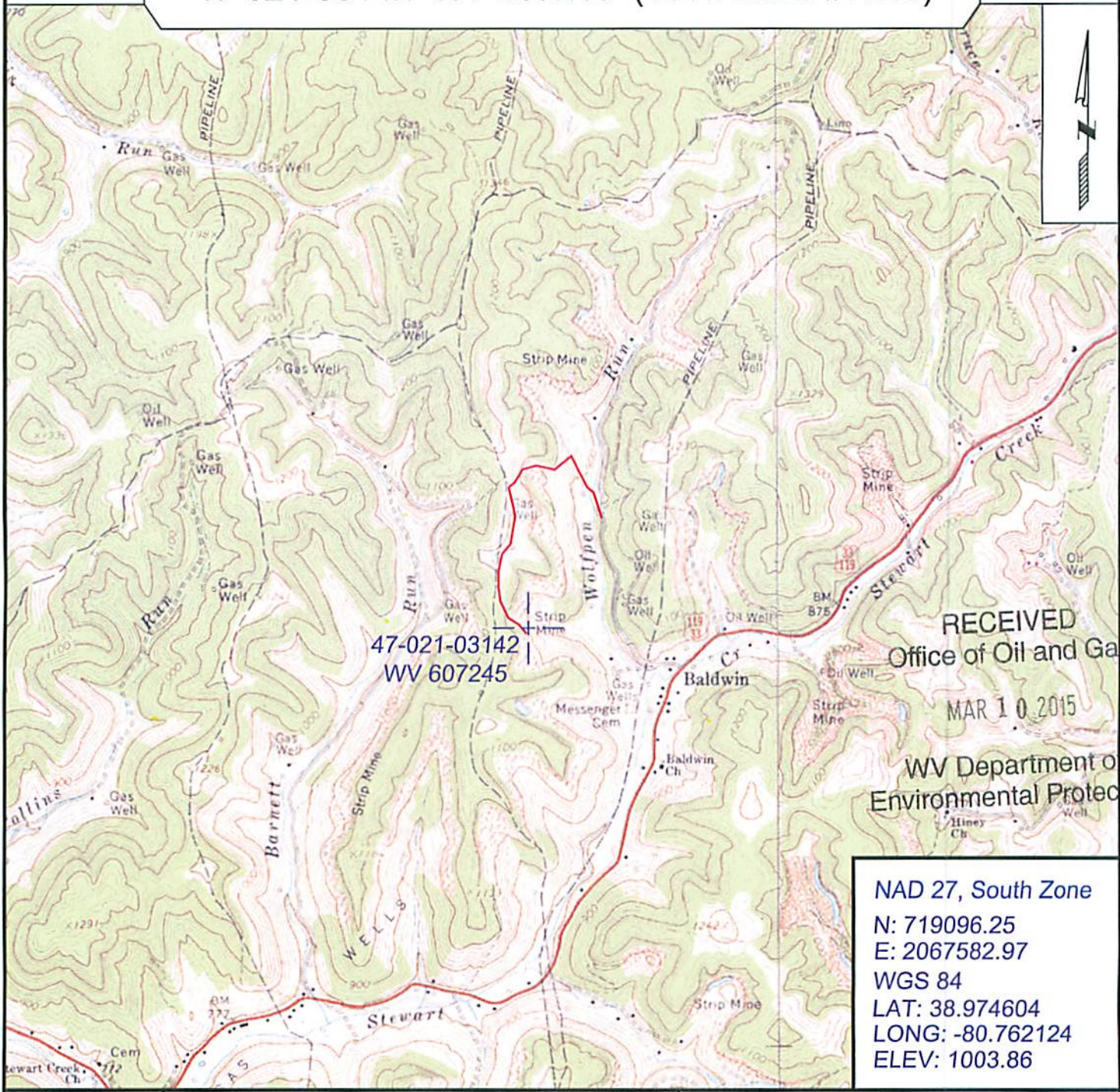
Field Reviewed? Yes No

2103142P

Topo Quad: Glenville 7.5' Scale: 1" = 2000'
 County: Gilmer Date: February 17, 2015
 District: Glenville Project No: 25-19-00-07

47-021-03142 WV 607245 (C. H. Miles #7245)

Topo



47-021-03142
WV 607245

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 Office of Oil and Gas
 MAR 10 2015
 WV Department of
 Environmental Protection

NAD 27, South Zone
 N: 719096.25
 E: 2067582.97
 WGS 84
 LAT: 38.974604
 LONG: -80.762124
 ELEV: 1003.86



SURVEYING AND MAPPING SERVICES PERFORMED BY:
ALLEGHENY SURVEYS, INC.
 1-800-482-8606
 237 Birch River Road
 Birch River, WV 26610
 PH: (304) 649-8606
 FAX: (304) 649-8608

PREPARED FOR:
EQT Production Company
 P.O. Box 280
 Bridgeport, WV 26330

04/24/2015



POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY
 LEASE NAME AND WELL No. C. H. Miles #7245 - WV 607245 - API No. 47-021-03142

POTENTIAL SAMPLE LOCATIONS

There appears to be no known water samples within the required 1000' of the existing well WV 607245.

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BIRCH RIVER OFFICE

237 Birch River Road
Birch River, WV 26610
phone: 304-649-8606
fax: 304-649-8608

BRIDGEPORT OFFICE

172 Thompson Drive
Bridgeport, WV 26330
phone: 304-848-5035
fax: 304-848-5037

CALDWELL OFFICE

212 Cumberland Street
Caldwell, OH 43724
phone: 740-305-5007
fax: 740-305-5126

ALUM CREEK OFFICE

P.O. Box 108 • 1413 Childress Rd
Alum Creek, WV 25003
phone: 304-756-2949
fax: 304-756-2948

RANSON OFFICE

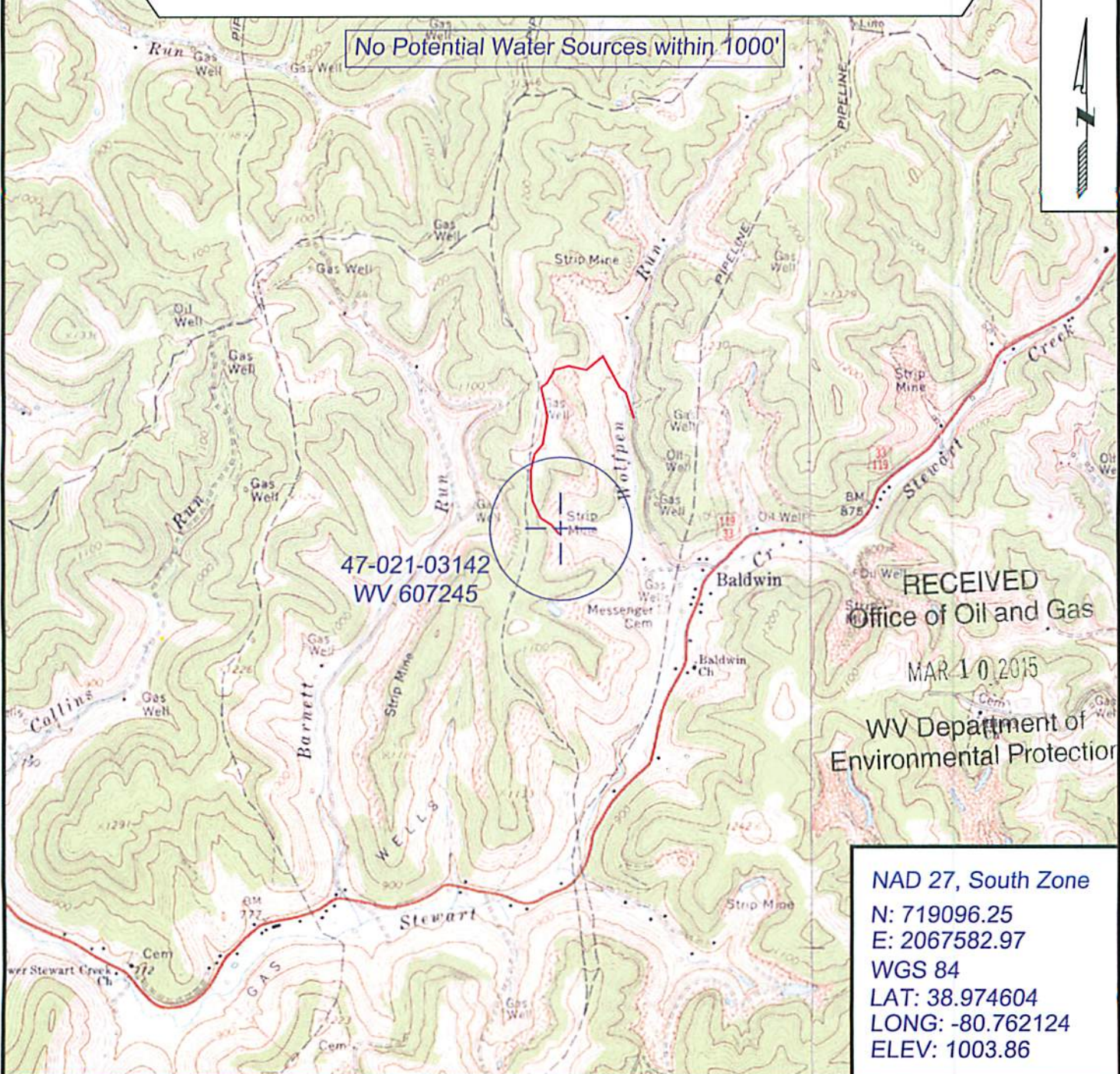
401 South Fairfax Blvd, Suite 3
Ranson, WV 25438
phone: 304-724-5008
fax: 304-724-5010

2103142P

Topo Quad: Glenville 7.5' Scale: 1" = 2000'
 County: Gilmer Date: February 17, 2015
 District: Glenville Project No: 25-19-00-07

Water

47-021-03142 WV 607245 (C. H. Miles #7245)



No Potential Water Sources within 1000'

47-021-03142
WV 607245

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EQT Production Company
 P.O. Box 280
 Bridgeport, WV 26330

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