



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

June 23, 2016

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-4102446, 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: 7045
Farm Name: FINSTER
API Well Number: 47-4102446
Permit Type: Plugging
Date Issued: 06/23/2016

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.

4102446P

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

CK#
20635
100.00

Date: June 3, 2016
Operator's Well
Well No. 607045 (J. Finster #7045)
API Well No.: 47 041 - 02446

**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: 1099 ft. Watershed: _____
Location: Court House County: Lewis Quadrangle: Peterson 7.5'
District: _____
- 6) Well Operator EQT Production Company
Address: 120 Professional Place
Bridgeport, WV 26330
- 7) Designated Agent: Rex C. Ray
Address: 120 Professional Place
Bridgeport, WV 26330
- 8) Oil & Gas Barry Stollings
Name: 28 Conifer Drive
Address: Bridgeport, WV 26330
- 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 *Barry Stollings* Date 6-8-16

PLUGGING PROGNOSIS

J.Finster #7045
 (607045)
 Lewis Co. WV
 District, Courthouse
 API # 47-041-02446
 BY: R.Green
 DATE: 02/26/15

CURRENT STATUS:

8 1/4" @ 783'
 2 3/8" @ 1183'
 TD @ 1700' (plugged back to 1187')
 Elevation @ 1098'

Fresh Water @ None reported
Salt Water @ None reported
Coal @ None reported
Gas Shows@ None reported.
 Oil show @ 1183'

1. Notify State Inspector, Barry Stollings, 1-304-552-4194, 24 hrs. to commencing operations.
2. TIH to 1180' set 180' C1A cement plug 1180' to 1000'. (elevation @ 1098')
3. TOOH tbg to 1000', gel hole 1000' to 833'.
4. TOOH tbg to 833', set 100' C1A cement plug 833' to 733', (8 1/4" casing seat).
5. TOOH tbg to 733' gel hole 733' to 500', TOOH tbg.
6. Free point 8 1/4" casing, cut casing @ free point, TOOH casing.
7. Set 100' C1A cement plug 50' in/out of casing cut, perforate all coal, freshwater, saltwater, oil and gas shows below cut. Do not omit any plugs.
8. TOOH tbg to top of casing cut plug, gel hole ~~T.O.P.~~ to 200'.
9. TOOH tbg to 200', set 200' C1A cement plug 200' to surface.
10. Erect monument with API#, date plugged, company name, and 6 digit company ID#
11. Reclaim road, location to WV-DEP specifications.

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CARNegie NATURAL GAS COMPANY

REPORT ON DEFECTIVE WELL

WELL No. 1-1045

12-1-1045

NAME J. H. [unclear]

Glenview DISTRICT

ORIGINAL TEST TAKEN... TEST TAKEN FOR THIS REPORT... OPEN FLOW... WATER... OPENING

RECORD OF CASING AND TUBING IN THIS WELL:

18 INCH... 10 INCH... 8 1/2 INCH 783... 6 INCH... 5 1/2 INCH... TUBING 1 1/2 OF INCH

HISTORY OF WELL:

DEPTH OF PITTSBURGH COAL None... ORIGINAL DEPTH 1700... PRESENT DEPTH 1187

WELL PRODUCING GAS FROM... SANDS AT DEPTHS OF... CONDITION OF RIG Fair

WELL HAS MADE... 2 1/2... NOW MAKING 2 1/2... WHEEL... DATE BY

AMOUNT OF CAVINGS IN HOLE... AMOUNT OF WATER... AMOUNT OF OIL

DATE WELL CLEANED OUT Nov 1921... RESULT... DATE WELL SHOT 11-6-21... SIZE OF SHOT 40... BAND 3rd... RESULT

WHAT SHOULD BE DONE WITH WELL IN MY OPINION this well should be cleaned out and shot if production is not increased I would suggest... this oil has to be hauled away by trucks to land... look to our company... DATE April 22-29... FOREMAN

I WOULD RECOMMEND... DATE... DIVISION SUPERINTENDENT

INSTRUCTIONS FROM PITTSBURGH OFFICE... DATE... GENERAL SUPERINTENDENT

47-041-02446

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WW-4-A
Revised 6/07

1) Date: June 3, 2016
2) Operator's Well Number
607045 (J. Finster #7045)
3) API Well No.: 47 041 - 02446
State County Permit

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

4) Surface Owner(s) to be served:
(a) Name Allegheny Forestland LLC ✓
Address P. O. Box 205
Horner, WV 26372
(b) Name Joshua Gay ✓
Address 1964 Crooked Run Road
Weston, WV 26452
(c) Name _____
Address _____
6) Inspector Barry Stollings
Address 28 Conifer Drive
Bridgeport, WV 26330
Telephone (304) 552-4194

5) (a) Coal Operator:
Name None
Address _____
(b) Coal Owner(s) with Declaration
Name Allegheny Forestland LLC ✓
Address P. O. Box 205
Horner, WV 26372
(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: EQT Production Company
By: Victoria J. Roark ✓
Its: Permitting Supervisor
Address: PO Box 280
Bridgeport, WV 26330
Telephone: (304) 848-0076

Subscribed and sworn before me this 3rd day of June, 2016
Misty S. Christie Notary Public
My Commission Expires: 2/20/18

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



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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: _____ Quadrangle: Peterson 7.5'

Elevation: 1099 ft. County: Lewis District: Court House

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.? 20 10-ml

Proposed Disposal Method for Treated Pit Wastes:

- Land Application
- Underground Injection - UIC Permit Number _____
- Reuse (at API Number) - Various _____
- Offsite Disposal Permit #. See attached _____
- 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 3rd day of June, 2016

Misty S. Christie Notary Public

My Commission Expires 2/20/18



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EQT Production Water plan
Offsite disposals

Waste Management - Meadowfill Landfill

Rt. 2, Box 68 Dawson Drive
Bridgeport, WV 26330
304-326-6027
Permit #SWF-1032-98
Approval #100785WV

Waste Management - Northwestern Landfill

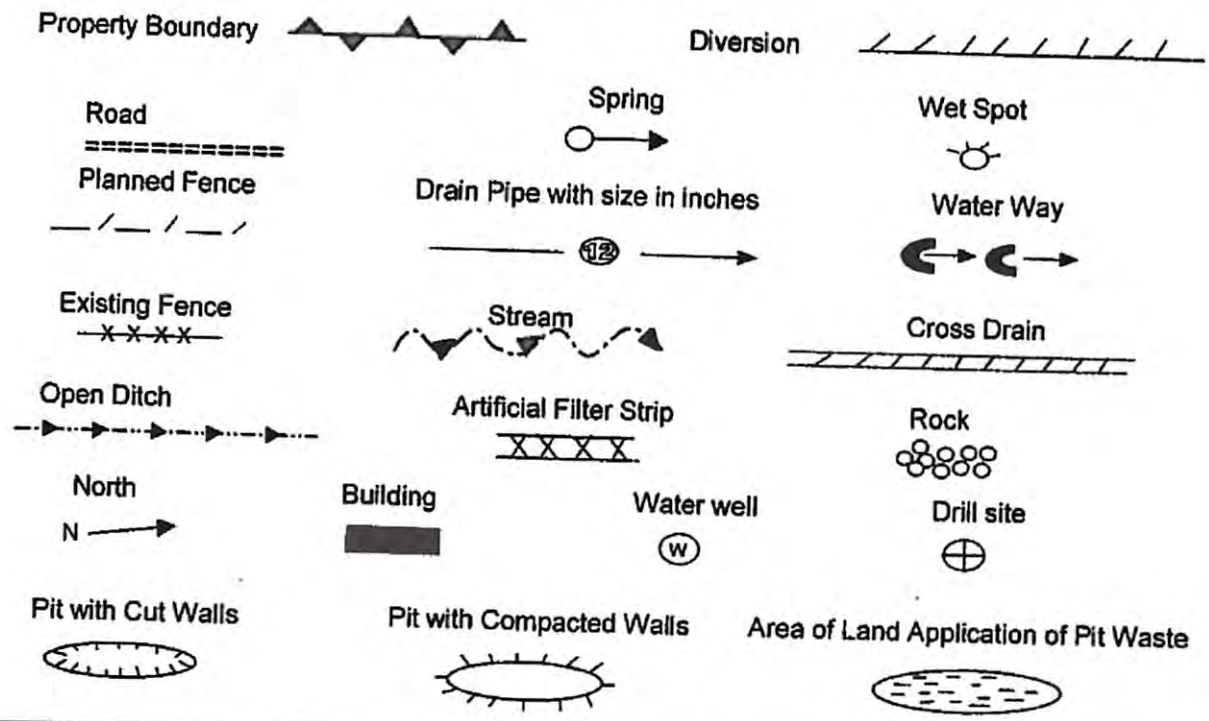
512 E. Dry Road
Parkersburg, WV 26104
304-428-0602
Permit #SWF-1025 WV-0109400
Approval #100833WV

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OPERATOR'S WELL NO.:
607045 (J. Finster #7045)

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: Devin Ham
 Comments: _____

Title: Inspector Date: 6-8-16
 Field Reviewed? Yes No



POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EOT PRODUCTION COMPANY
LEASE NAME AND WELL No. J. Finster #7045 - WV 607045 - API No. 47-041-02446

POTENTIAL SAMPLE LOCATIONS

There appears to be no known water samples within the required 1000' of the existing well WV 607045.

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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

ALUM CREEK OFFICE

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

MARTINSBURG OFFICE

25 Lights Addition Drive
Martinsburg, WV 25404
phone: 304-901-2162
fax: 304-901-2182

