



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

August 25, 2014

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-4900111, 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: 6132
Farm Name: BLAIR, A. L.
API Well Number: 47-4900111
Permit Type: Plugging
Date Issued: 08/25/2014

Promoting a healthy environment.

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.

4900111P

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

Date: 7-15-14
Operator's Well
Well No. 606132 (A.L. Blair P-6132)
API Well No.: 47 049 - 00111 P

CR 17839
100⁰⁰

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: 871' Watershed: Koon's Run of West Fork River
Location: Grant County: Marion Quadrangle: Shinnston 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 Bill Hendershot
Name: 403 James Street
Address: Mannington, WV 26582

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

Bill Hendershot

Date 7-15-14

606132

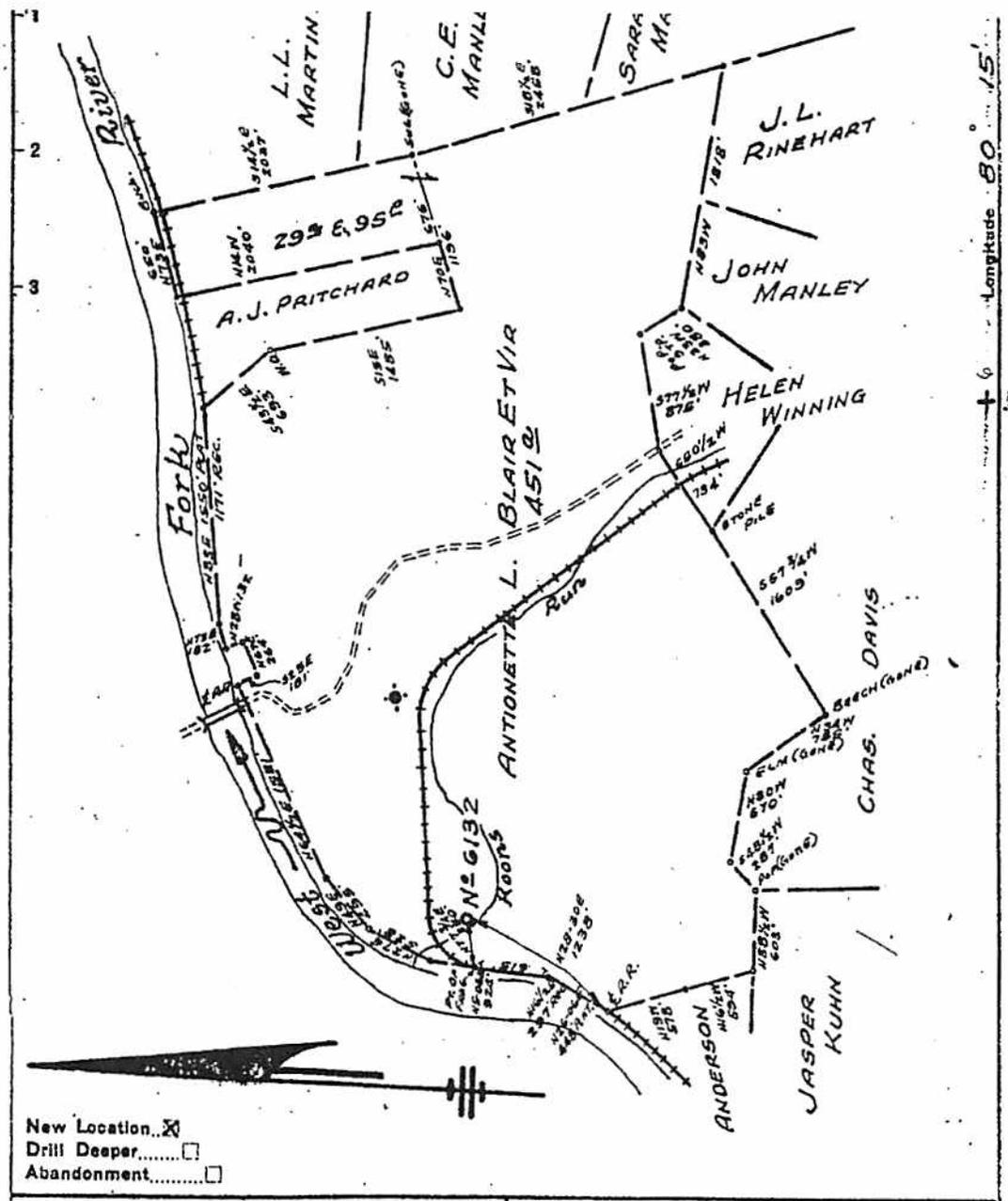
Clarksburg Quad. N.E.
 Company
 Address
 Farm
 Location
 Well No
 District
 Surface
 Mineral
 Commenced
 Completed
 Date shot
 Open flow
 Volume
 Rock Pressure
 Fresh Water

Pittsburgh & West Va. Gas Co.
 Clarksburg, W.Va.
 Antoinette L. Blair et vir. Acres 474 8 1/2
 Clarksburg N.E. 2-4
 6132 Elev. 826 VA
 Grant Marion County
 Antoinette L. Blair.R.F.D. #4
 Waynesburg, Penna.
 Antoinette L. Blair et vir, R.D.#4
 Waynesburg, Wenna.
 March 23, 1943
 May 13 1943
 5-14-1943 Depth 2360 to 2367
 with 20 qts. Nitro Glycerine
 18/10ths M in 1-1/2" F.M.
 322,000 C.F.
 530 lbs. 12 hrs.
 52' 2 blrs. hr.; 678' 3 blrs. hr.; 859' H.F.

CASING & TUBING
 10 144 Pulled
 8 1/2 968 Same
 6 5/8 1312 1312
 3 2430 2430
 Hook Wall Packer
 Size 6 5/8 x 3"
 Depth 2195'
 Perf. top 2200-2221
 Perf. bot 2342-2360
 Perf. top 2425-2430

Clay	Y	S	0	8	Lime Dk	H	1725	1748
Lime	Lt	H	8	28	Slate Wh	S	1748	1806
Slate	Lt	S	28	52	Gantz Sand Gr	H	1806	1815
Coal	Bk	S	52	54	Slate-Shells Wh	S-H	1815	1819
Slate	Lt	S	54	90	50' Sand Lt	H	1819	1932
Red Rock	R	S	90	113	Slate Wh	S	1932	1940
Slate&Shells	Gr	S&H	113	168	30' Sand Gr	H	1940	1959
Lime	Gr	H	168	187	Red Rock	S	1959	1964
Slate	Gr	S	187	190	Sand Lt	H	1964	1975
Lime	Gr	H	190	210	Slate Wh	S	1975	1983
Sand	Gr	H	210	228	Sand Gr	H	1983	2005
Slate	Wh	S	228	252	Red Rock	S	2005	2007
Slate	Bk	S	252	267	Sand Gr	H	2007	2048
Slate	Wh	S	267	277	Red Rock	S	2048	2076
Red Rock		S	277	280	Sand Gr	H	2076	2090
Slate & Shells	Gr	S-H	280	302	Slate Wh	S	2090	2106
Coal	Dk	S	302	306	Red Rock	S	2106	2145
Slate	Gr	S	306	327	Gordon Stray	M H	2145	2162
Red Rock		S	327	335	Slate Wh	S	2162	2187
Lime	Gr	H	335	365	Gordon Sand	Gr H	2187	2200
Slate	Bk	S	365	430	Slate Wh	S	2200	2203
Big Dunkard	Wh	H	430	490	4th Sand	Gr H	2203	2237
Slate	Wh	S	490	560	Slate Wh	S	2237	2245
Lime	Dk	H	560	580	Sand Wh	H	2245	2279
Slate	Dk	S	580	648	Slate Wh	H	2279	2340
Sand	Wh	H	648	678	5th Sand	Gr H	2340	2368
Coal	Dk	S	678	683	Slate-Shells	Wh S	2368	2476
1st Salt Sand	Wh	H	683	786	TOTAL DEPTH		2476	
Slate	Wh	S	786	856	Gas 2209-2211	54/10 W 1-1/2" F.M.		
2nd Salt Sand	Wh	H	856	967	Gas 2361-2366	33/10 W 1-1/2" F.M.		
Slate	Wh	S	967	988				
Sand	Wh	H	988	1005				
Slatr	Wh	S	1005	1020				
Lime	Gr	H	1020	1035				
Slate-Shells	Dk	H-S	1035	1055				
Red Rock		S	1055	1082				
Lime	Dk	H	1082	1102				
Red Rock		S	1102	1200				
Slate-Shells	Wh	S-H	1200	1264				
Pencil Cave	Dk	S	1264	1275				
Big Lime	Lt	H	1275	1361				
Big Injun	Lt	H	1361	1439				
Slate	Wh	S	1439	1442				
Lime	Lt	H	1442	1448				

RECEIVED
 Office of Oil and Gas
 JUL 17 2014
 WV Department of
 Environmental Protection



New Location...
 Drill Deeper...
 Abandonment...

Company PITTSBURGH E. W.V.A. GAS CO.
 Address CLARKSBURG, W.V.A.
 Farm ANTIONETTE L. BLAIR ET VIR
 Tract _____ Acres 474 Lease No. 23751
 Well (Farm) No. ONE Serial No. 6132
 Elevation (Spirit Level) 826' VA.
 Quadrangle CLARKSBURG N.E. 24
 County MARION District GRANT

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

WELL LOCATION MAP
 FILE NO. MAREMED

+ Denotes location of well on United States
 Topographic Maps, scale 1 to 62,500, etc.

JUL 17 2014
 WV Department of
 Environmental Protection

1) Date: 7-15-14
2) Operator's Well Number
606132 (A.L. Blair P-6132)
3) API Well No.: 47 049 - 00111 P
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

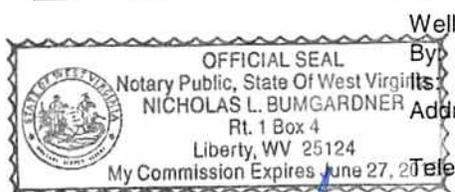
4) Surface Owner(s) to be served:
(a) Name Frank Clark et al
Address P.O. Box 181
Fairmont, WV 26554
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Bill Hendershot
Address 403 James Street
Mannington, WV 26582
Telephone 304-206-7750

5) (a) Coal Operator:
Name None
Address _____
(b) Coal Owner(s) with Declaration
Name Consolidation Coal Co.
1000 Consol Energy Dr.
Address Cannonsburg, PA 15317-6506
Name _____
Address _____
(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
Permitting Supervisor
Address: PO Box 280
Bridgeport, WV 26330
Telephone: (304) 848-0076

Subscribed and sworn before me this 14 day of JULY, 2014
My Commission Expires: 7/27/2018 Notary Public

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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Office of Oil and Gas
July 17, 2014
WV Department of Environmental Protection

490011P

EQT
C/O Vicki Roark
P.O. Box 280
Bridgeport, WV 26330

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input type="checkbox"/> Agent <input type="checkbox"/> Addressee X</p> <p>B. Received by (Printed Name) C. Date of Delivery</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>1. Article Addressed to:</p> <p style="text-align: center;">Frank Clark et al ✓ P.O. Box 181 Fairmont, WV 26554 606132 plugging</p>	<p>3. Service Type</p> <p><input type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label) 7013 2630 0002 2366 4180</p>	
PS Form 3811, February 2004	Domestic Return Receipt 102595-02-M-1540

PS Form 3800, August 2006
See Reverse for Instructions

Sent to	Frank Clark et al
Street A or PO Box	P.O. Box 181
City, State	Fairmont, WV 26554
Zip	606132 plugging

Total P	
Postage \$	
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	

Postmark Here

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For delivery information visit our website at www.usps.com

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7013 2630 0002 2366 4180
7013 2630 0002 2366 4180

Frank Clark et al
P.O. Box 181
Fairmont, WV 26554
606132 plugging

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Office of Oil and Gas

JUL 17 2013
neopost # 07/15/2013
US POSTAGE
WV Department of Environmental Protection

FIRST-CLASS MAIL
\$07.40
ZIP 26330
041L10228892

490 0111A

EQT
C/O Vicki Roark
P.O. Box 280
Bridgeport, WV 26330

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input checked="" type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) C. Date of Delivery</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>1. Article Addressed to:</p> <p style="text-align: center;">Consolidation Coal Co. ✓ 1000 Consol Energy Dr. Cannonsburg, PA 15317-6506 606132 plugging</p>	<p>3. Service Type</p> <p><input type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number 7013 2630 0002 2366 4197 (Transfer from service label)</p>	
PS Form 3811, February 2004	Domestic Return Receipt 102595-02-M-1540

PS Form 3800, August 2006 See Reverse for Instructions

Sent to: Consolidation Coal Co.
1000 Consol Energy Dr.
Cannonsburg, PA 15317-6506
City, St. or P.O. B. Street, 606132 plugging

Postage \$	
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total	

7013 2630 0002 2366 4197
7013 2630 0002 2366 4197

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U.S. Postal Service™
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CERTIFIED MAIL™

Consolidation Coal Co.
1000 Consol Energy Dr.
Cannonsburg, PA 15317-6506
606132 plugging

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JUL 17 2014
WV Department of Environmental Protection
FIRST-CLASS MAIL
repost # 07/15/2014
US POSTAGE \$07.40
ZIP 26330
041L10228892

49 0071 P

EQT

C/O Vicki Roark
P.O. Box 280
Bridgeport, WV 26330

Bill Hendershot
403 James St
Mannington, WV 26585

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JUL 17 2014
WV Department of Environmental Protection
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neopost
07/15/2014
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\$01.61
ZIP 26330
041110228892

**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: Koon's Run of West Fork River Quadrangle: Shinnston 7.5'

Elevation: 871' County: Marion District: Grant

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 14 day of July, 2014

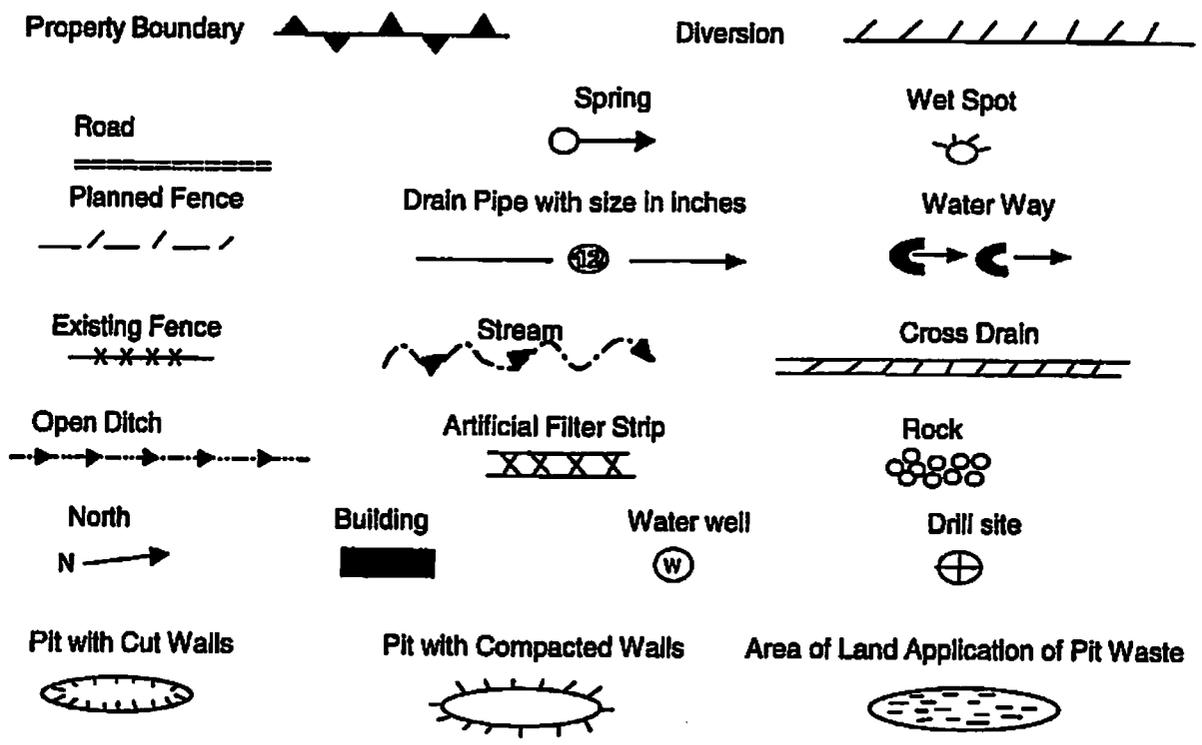
My Commission Expires 7/27/2018

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Office of Oil and Gas
JUL 17 2014
WV Department of Environmental Protection

Notary Public

OPERATOR'S WELL NO.:
608132 (A.L. Blair P-6132)

LEGEND



Proposed Revegetation Treatment: Acres Disturbed: 1± Prevegetation pH 5.8
 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
KY-31	40	Orchard Grass	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: *[Signature]*

Comments: _____

Title: _____ Date: 7-17-14
 Field Reviewed? Yes No

4900111P

Topo Quad: Shinnston 7.5'

Scale: 1" = 2000'

County: Marion

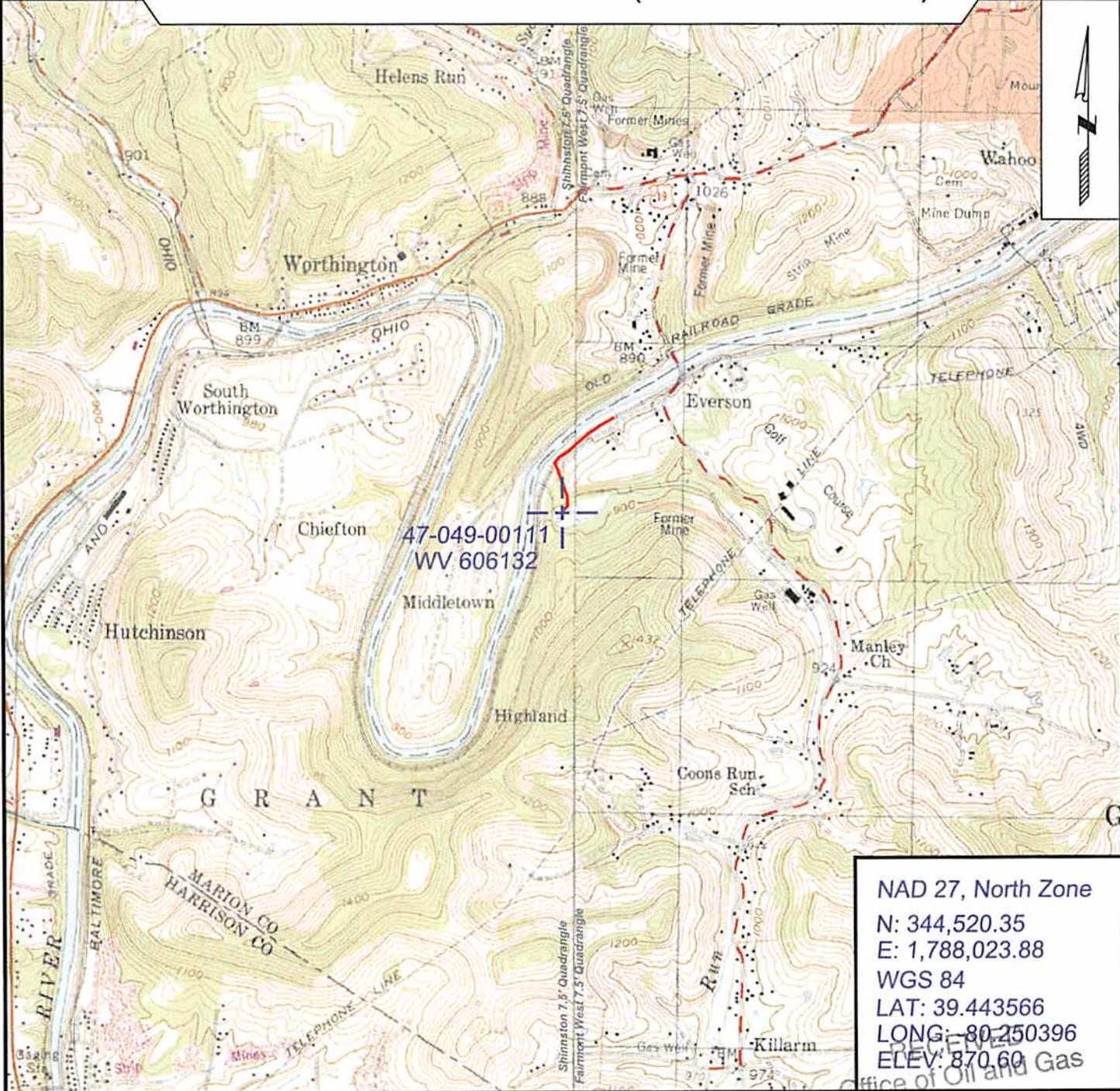
Date: June 23, 2014

District: Grant

Project No: 74-18-00-08

47-049-00111 WV 606132 (A. L. Blair P-6132)

Topo



47-049-00111
WV 606132

NAD 27, North Zone
 N: 344,520.35
 E: 1,788,023.88
 WGS 84
 LAT: 39.443566
 LONG: -80.250396
 ELEV: 870.60

Office of Oil and Gas



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

JUL 17 2014
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 Environmental Protection

49 0011P

Topo Quad: Shinnston 7.5'

Scale: 1" = 2000'

County: Marion

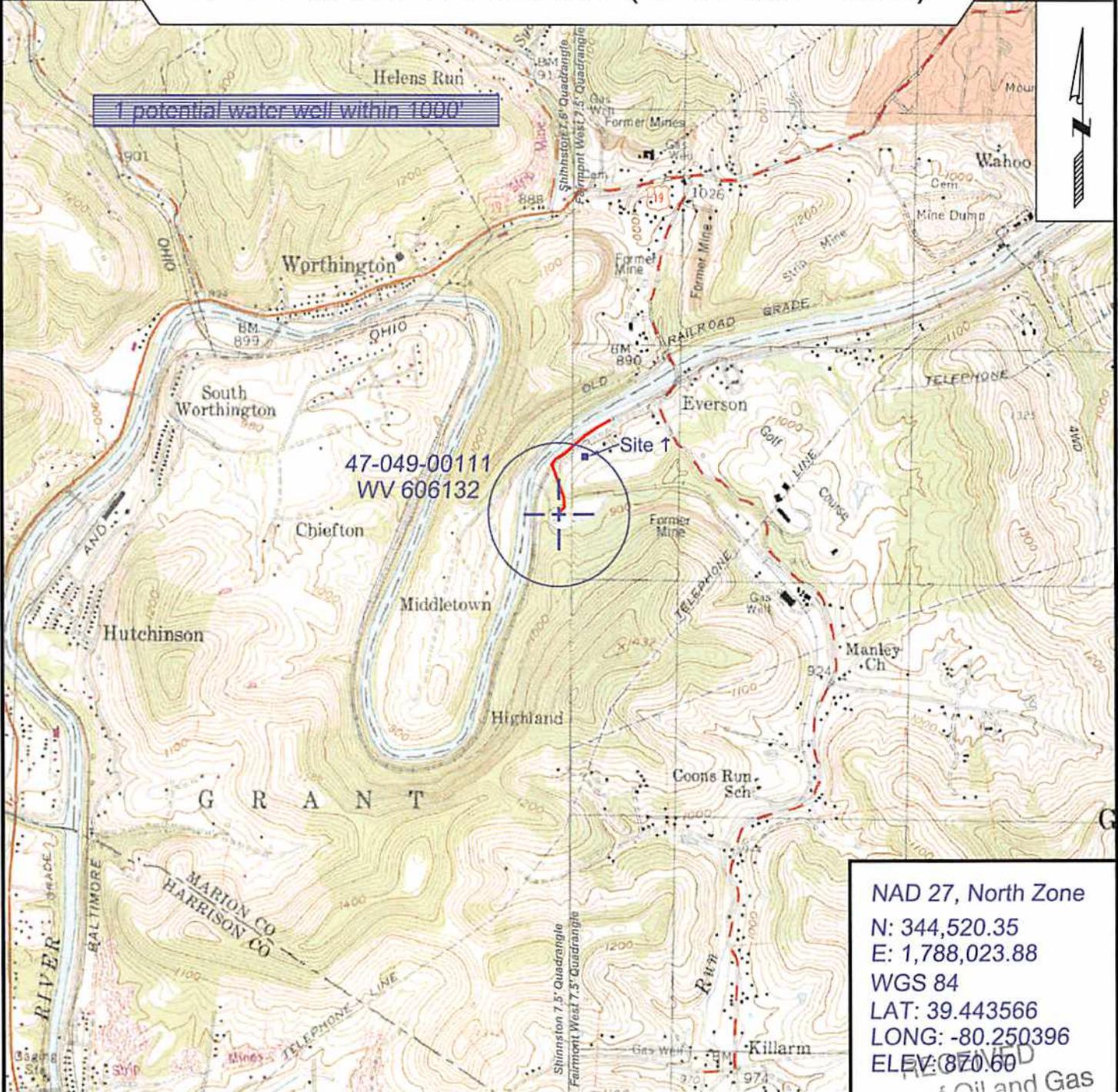
Date: June 23, 2014

District: Grant

Project No: 74-18-00-08

Water

47-049-00111 WV 606132 (A. L. Blair P-6132)



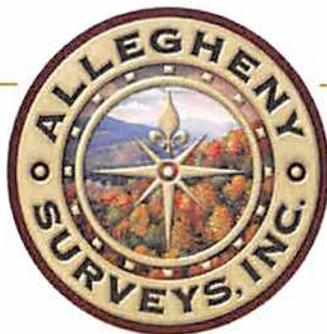
47-049-00111
WV 606132

NAD 27, North Zone
 N: 344,520.35
 E: 1,788,023.88
 WGS 84
 LAT: 39.443566
 LONG: -80.250396
 ELEV: 870.60



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
 Office of Oil and Gas
 WV Department of Environmental Protection



POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY
LEASE NAME AND WELL No. A. L. Blair P-6132 WV 606132 (47-049-00111)

The initial mapping review of the area surrounding the proposed well site revealed the below listed surface owner(s) that were potentially utilizing groundwater (potable) for Human Consumption or other purposes within 1000' of the existing well site. The following landowners will be notified of the opportunity to request a water sample.

*Please note that the following information is subject to change upon field inspection.

POTENTIAL SAMPLE LOCATIONS

Site: 1 Spacing: 886' +/- Owner: Joan C. Trach, et al.
Address: P.O. Box 181, Fairmont, WV 26554 Phone No. _____
Comments:

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 • 7766 Alum Creek Rd
Alum Creek, WV 25003
phone: 304-756-2949
fax: 304-756-2948

FRANSON OFFICE
400 South Fairfax Blvd, Suite 3
Ranson, WV 26054
phone: 304-724-5008
fax: 304-724-5010

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WV Department of Environmental Protection
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