



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, June 09, 2017
WELL WORK PERMIT
Vertical / Plugging

EQT PRODUCTION COMPANY (A)
120 PROFESSIONAL PLACE
BUILDING II
BRIDGEPORT, WV 26330

Re: Permit approval for A-803
47-077-00199-00-00

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: A-803
Farm Name: WV BD. OF GOVERNORS
U.S. WELL NUMBER: 47-077-00199-00-00
Vertical / Plugging
Date Issued: 6/9/2017

Promoting a healthy environment.

06/09/2017

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.

77 00 199 P

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

CK # 22725
5-9-17
\$100.00

Date: May 8, 2017
Operator's Well
Well No. 153071 (WV Board of Governors A-803)
API Well No.: 47 077 - 00199

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: 1748 ft. Watershed: Decker's Creek
Location: Valley County: Preston Quadrangle: Masontown 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 Gayne J. Knitowski
Name: P. O. Box 108
Address: Gormanian, WV 26720
- 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 *Gayne J. Knitowski* Date 5/17/2017

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JUN 1 2017

WV Department of
Environmental Protection **06/09/2017**

PLUGGING PROGNOSIS

WV Board of Gov. 3A-803 (153071)
 Preston Co. WV
 District, Valley
 API # 47- 077-0199

BY: Craig Duckworth

DATE: 11/28/16

CURRENT STATUS:

11 3/4" csg @ 121' (cts)
 8 5/8" csg @ 1201' (cts)
 4 1/2" csg @ 7753' (cem to 6700')

Elevation @ 1734'

TD: 7900'

Fresh Water @ 93' Coal @ 477'- 480'
 Saltwater @ none reported
 Gas shows @ none reported
 Perforations @ 7548'- 7575'- 27perfs.

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1. Notify State Inspector, **Gayne J Knitowski (304)-546-8171**, 48 hrs. Prior to commencing operations.
2. If any casings without cement in the annulus cannot be retrieved make sure to consult Inspector and at least perforate all Oil, Gas, FW, Elevation and Coal shows in the well.
3. Check TD w/wireline
4. TIH w/tbg to 7700' or obtainable TD', set 500' C1A cement plug from 7700' to 7200'. (Perfs @ 7548'-7575'-27 perfs)
5. **WAIT FOR PLUG TO SET UP. TAG PLUG, ADD CEMENT IF NECESSARY.**
6. TOO H w/tbg to 7200', gel hole 7200' to 6700'
7. TOO H w/tbg, Free point 4 1/2" csg, cut csg @ free point, TOO H w/csg.
8. Set **200'** C1A cement plug **100** in/out of casing cut, perforate all freshwater, saltwater, coal, oil and gas shows below cut. Do not omit any plugs
9. TIH w/tbg to 6700', set 200' C1A cement plug 6700' to 6500. (4 1/2" csg cut).
10. TOO H w/tbg to 6500' gel hole 6500' to 5000'
11. TOO H w/tbg to 5000' set 200' C1A cement plug from 5000' to 4800' (Safety Plug).
12. TOO H w/tbg to 4800' gel hole 4800' to 3000'
13. TOO H w/tbg to 3000' set 200' C1A cement plug from 3000' to 2800' (Safety Plug)
14. TOO H w/tbg to 2800' gel hole from 2800' to 1800'.
15. TOO H w/tbg to 1800', set 200' C1A cement plug 1800' to 1600'. (elev. @ 1734').

06/09/2017

16. TOOH w/tbg to 1600', gel hole 1600' to 1300'.
17. TOOH w/tbg to 1300', set 200' C1A cement plug 1300' to 1100'. (8 5/8 csg @ 1201' cts)
18. TIH w/tbg to 1100' gel hole from 1100' to 530'.
19. TOOH w/tbg to 530', set 100' C1A cement plug 530' to 430'. (Coal @ 477'-480').
20. TOOH w/tbg to 450', gel hole 450' to 200'.
21. TOOH w/tbg to 200', set 200' C1A cement plug, 200' to 0. (11 3/4" csg @ 121' & FW @ 93')
22. Erect monument with API#
23. Reclaim location and road to WV-DEP specifications.

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FORM IV-35
(Reverse)

[08-78]

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Well was fractured August 7, 1979 by Dowell.

Perforations: 7548 - 7575' - 27 holes

WELL LOG

FORMATION	Color	Hard or Soft	4/ Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Soil			0	67	
Sand & Shale			67	477	
COAL ****			477	480	Water - 1" Stream @ 93'
Sand & Shale			480	1978	COAL ****
Sand			1978	1994	
Sand & Shale			1994	2128	
Sand			2128	2138	
Sand & Shale			2138	2962	
Sand			2962	2978	
Sand & Shale			2978	3712	
Sand			3712	3746	
Sand & Shale			3746	7094	
Tully Limestone			7094	7172	
Sand & Shale			7172	7398	
Marcellus Shale			7398	7452	
Chert Sand			7452	7514	
Oriskany Sand			7514	7606	
Shale			7606	7900	
			total depth	7900	(Driller)

(Attach separate sheets to complete to necessary)

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Allegheny Land & Mineral Company
Well Operator

By Claron Dawson

Its Supt.

NOTE: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic, detailed geological record of all formations, including coal, encountered in the drilling of a well."

06/09/2017

7700199P

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

Date: November 21, 1979

FORM IV-35
(Obverse)
[08-78]

Operator's
Well No. A-803
API Well No. 57 - 077 - 0199
State County Permit

WELL OPERATOR'S REPORT 4/
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas / Liquid Injection / Waste Disposal
(If "Gas", Production / Underground storage / Deep / Shallow
LOCATION: Elevation: 1734' Watershed: Deckers Creek
District: Valley County: Preston Subtriangle: Morgantown

WELL OPERATOR ALLEGHENY LAND & MINERAL CO. DESIGNATED AGENT ALLEGHENY LAND & MINERAL CO.
Address P. O. BOX 1749 Address P. O. BOX 1749
CLARKSBURG, W. VA. 26301 CLARKSBURG, W. VA. 26301

PERMITTED WORK: Drill / Convert / Drill deeper / Re-work / Fracture or stimulate
Plug off old formation / Perforate new formation
Other physical change in well (specify) _____

PERMIT ISSUED ON February 27, 1979 OIL & GAS INSPECTOR FOR THIS WORK:
IF APPLICABLE: PLUGGING OF DRY HOLE OR CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED Name William Blosser
Address P. O. Box 1028
Colfax, WV 26566

GEOLOGICAL TARGET FORMATION: Oriskany Depth 7600 feet
Depth of completed well, 7900 feet Rotary / Cable Tools
Water strata depth: Fresh, 93 feet; salt, _____ feet.
Coal seam depths: 477-480 Is coal being mined in the area? no
Work was commenced May 13, 1979, and completed June 14, 1979

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic Feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling		
Conductor	11-3/4"			x		121'	121'	Cemented to surface
Fresh water	8-5/8"							
Coal	8-5/8"			x		1201'	1201'	" "
Intermediate								
Production	4 1/2"			x		7753'	7753'	200 SKS X 6700'
Stringers								Bottom

SEE INSPECTOR'S WELL REPORT
200 SKS CEMENT ON 4 1/2" CASING

OIL & GAS DIVISION
DEPT. OF MINES

PERMITS FLOW DATA
Producing formation Oriskany Pay zone depth 7514-7606
Gas: Initial open flow, _____ Mcf/d Oil: Initial open flow, _____ bbl/d
Final open flow, 1397 Mcf/d Final open flow, _____ bbl/d
Time of open flow between initial and final tests, _____ hours
Static rock pressure, 2650# psig (surface measurement) after 2 months shut in.
[If applicable due to multiple completion--]
Second producing formation _____ Pay zone depth _____ feet
Gas: Initial open flow, _____ Mcf/d Oil: Initial open flow, _____ bbl/d
Final open flow, _____ Mcf/d Final open flow, _____ bbl/d
Time of open flow between initial and final tests, _____ hours

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WV Department of
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CG-11

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

JUN 18 1979

INSPECTOR'S WELL REPORT DEPT. OF MINES

Permit No. PACS-199

Oil or Gas Well _____
(KIND)

Company <u>W. C. Gandy & Sons, Inc.</u>	CASING AND TUBING	USED IN DRILLING	LOSS IN HILL	PACKERS
Address <u>121 S. Main St. West Virginia</u>	Size			
Farm <u>W. C. Road of Gandy's</u>	16			Kind of Packer _____
Well No. <u>4803</u>	13 - 16'			
District <u>Valley</u> County <u>Preston</u>	10			Size of _____
Drilling commenced _____	8 1/4 - 1201' <u>4.5 - 250 S.T. Cement.</u>			Depth set _____
Drilling completed _____ Total depth <u>7900'</u>	6 1/4			
<u>Completed.</u>	5 9/16			
Date shot _____ Depth of shot _____	3 1/2 - 7710' <u>200-55 Cement</u>			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	2			Perf. bottom _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	Liners Used _____			Perf. top _____
Volume _____ Cu. Ft.				Perf. bottom _____
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Oil _____ bbls., 1st 24 hrs.	NAME OF SERVICE COMPANY _____			
Fresh water <u>110 - 93'</u> feet _____ feet	COAL WAS ENCOUNTERED AT <u>479-480'</u> FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names G. Bennett, D. Butcher, R. Koon

Remarks:

Contractor Union Drilling Co. Rotary Rig #3

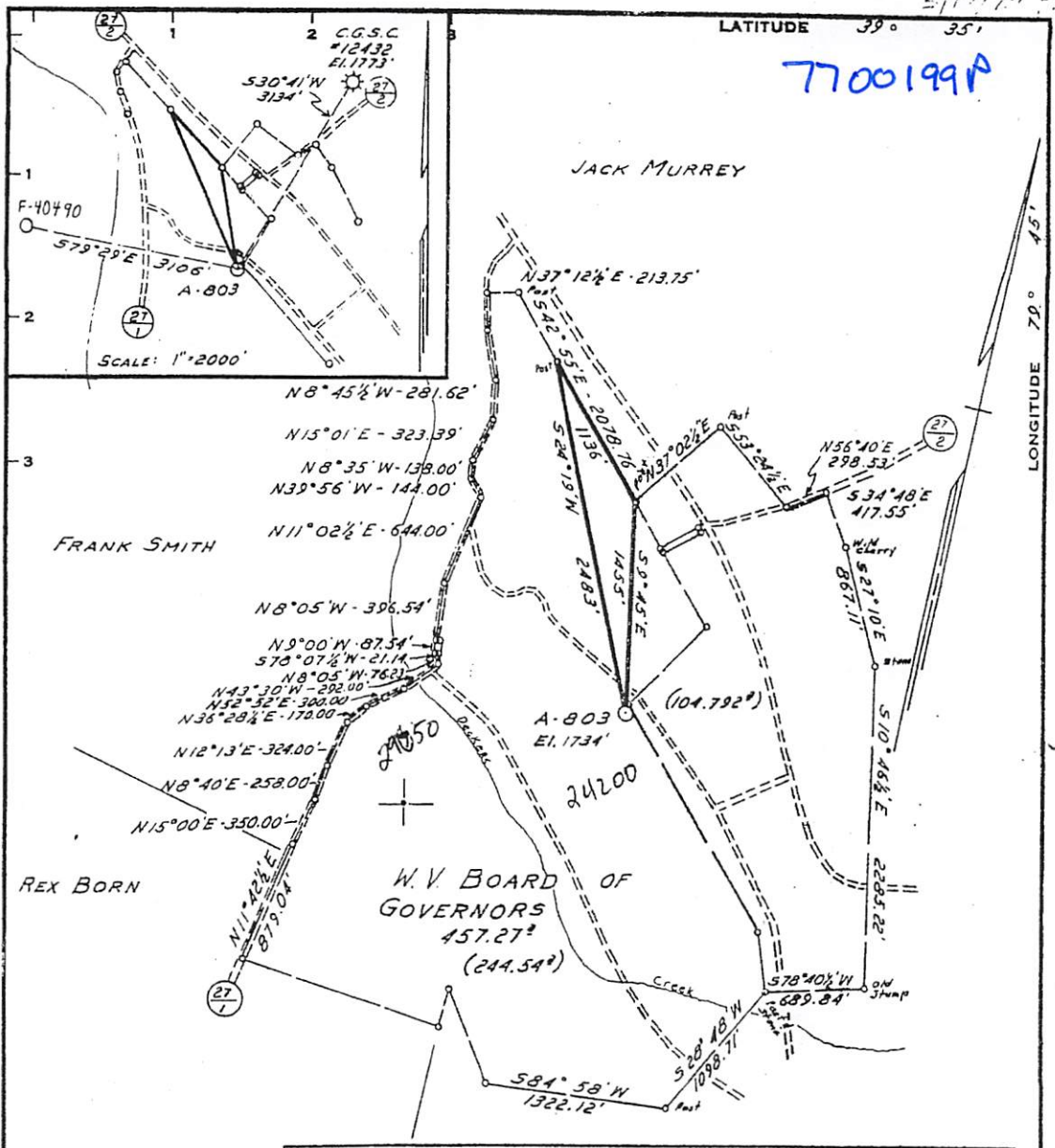
June 15, 1979
DATE

William J. Shaw #502
DISTRICT WELL INSPECTOR

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WV Department of
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Minimum Error of Closure ONE PART IN 200
 Source of Elevation C.G.S.C. WELL # 12432 ELEV. 1773'

"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."

New Location
 Drill Deeper
 Abandonment

Company ALLEGHENY LAND & MINERAL CO.
 Address CLARKSBURG, W.V. 26301
 Farm W.V. BOARD OF GOVERNORS
 Tract _____ Acres 457.27 Lease No. _____
 Well (Farm) No. _____ Serial No. A-803
 Elevation (Spirit Level) 1734'
 Quadrangle MORGANTOWN
 County PRESTON District VALLEY
 Engineer Donnie L. Shuler
 Engineer's Registration No. 530 L.L.S.
 File No. 243 Drawing No. OR-22
 Date 11-23-78 Scale 1" = 1000'

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

WELL LOCATION MAP
 FILE NO. 47-077-0199

+ 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.

7600's info.

06/09/2017

WW-4-A
Revised 6/07

MAY 11 2017

1) Date: May 8, 2017
2) Operator's Well Number 153071 (WV Board of Governors A-803)
3) API Well No.: 47 077 - 00199
State County Permit

WV Department of
Environmental Protection
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 John Yost ✓
Address WVU Davis College of Agriculture
P. O. Box 6108
Morgantown, WV 26506
(b) Name Dusty Hays ✓
Address WVU
P. O. Box 6555
Morgantown, WV 26506
(c) Name _____
Address _____
6) Inspector Gayne J. Knitowski
Address P. O. Box 108
Gormanian, WV 26720
Telephone (304) 546-8171

5) (a) Coal Operator:
Name None
Address _____
(b) Coal Owner(s) with Declaration ✓
Name Attention: Vaughn Miller
Ark Land Northern Appalachia
Address 100 Tygart Drive
Grafton, WV 26354
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 ✓
Its: Permitting Supervisor
Address: PO Box 280
Bridgeport, WV 26330
Telephone: (304) 848-0076

Subscribed and sworn before me this 8th day of May, 2017
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.



06/09/2017

- Complete items 1, 2, and 3.
- 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.

1. Article Addressed to:
John Yost
 Asst. Director of Farm Administration
 WVU Davis College of Agriculture
 P. O. Box 6108
 Morgantown, WV 26506-6108



9590 9402 2551 6306 5753 59

2. Article Number (Transfer from service label)
7016 0910 0000 4937 8007

PS Form 3811, July 2015 PSN 7530-02-000-9053

X Agent Addressee

B. Received by (Printed Name) _____ C. Date of Delivery _____

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type

<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®
<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™
<input checked="" type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery
<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Return Receipt for Merchandise
<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation™
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<input type="checkbox"/> Insured Mail Restricted Delivery	

Domestic Return Receipt

Shipping Department
 Action
 80
 WV 26330

John Yost
 Asst. Director of Farm Administration
 WVU Davis College of Agriculture
 P. O. Box 6108
 Morgantown, WV 26506-6108

Postage \$ _____
 Adult Signature Required \$ _____
 Certified Mail Restricted Delivery \$ _____
 Return Receipt (electronic) \$ _____
 Return Receipt (hardcopy) \$ _____
 Extra Services & Fees (check box, add fee as appropriate) \$ _____
 Certified Mail Fee \$ _____

Postmark Here

Permit 153671

VR

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 For delivery information, visit our website at www.usps.com
 Domestic Mail Only
CERTIFIED MAIL® RECEIPT



7016 0910 0000 4937 8007
 7016 0910 0000 4937 8007

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Certified Mail Fee	\$
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
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<input type="checkbox"/> Adult Signature Restricted Delivery	\$

VR

Postmark
Here

Dusty Hays
Property Manager - WVU Real Estate
West Virginia University
P. O. Box 6555
Morgantown, WV 26506-6555

Permit
153071

Real Estate

P. O. Box 6555
Morgantown, WV 26506-6555

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

ing Department
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D
WV 26330

PS Form 3811, July 2015 PSN 7530-02-000-9053

7016 0910 0000 4937 7994

2. Article Number (Transfer from service label)	9590 9402 1838 6104 4281 39
3. Service Type	<input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Priority Mail Express®

Dusty Hays
Property Manager - WVU Real Estate
West Virginia University
P. O. Box 6555
Morgantown, WV 26506-6555

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100. Article Addressed to:	

06/09/2017

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.

1. Article Addressed to:
 Attention: Vaughn Miller
 Ark Land Northern Appalachia
 100 Tygart Drive
 Grafton, WV 26354



9590 9402 1838 6104 4281 22

2. Article Number (Transfer from service label)
 7016 0910 0000 4937 8014

PS Form 3811, July 2015 PSN 7530-02-000-9047

B. Received by (Printed Name) C. Date of Delivery

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type
- Adult Signature
 - Adult Signature Restricted Delivery
 - Certified Mail®
 - Certified Mail Restricted Delivery
 - Collect on Delivery
 - Collect on Delivery Restricted Delivery
 - Insured Mail
 - Insured Mail Restricted Delivery
 - Priority Mail Express®
 - Registered Mail™
 - Registered Mail Restricted Delivery
 - Return Receipt for Merchandise
 - Signature Confirmation™
 - Signature Confirmation Restricted Delivery

Domestic Return Receipt

Shipping Department
 Attention
 80
 WV 26330

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

City: Grafton, WV 26354
 Street: 100 Tygart Drive
 Attention: Vaughn Miller
 Ark Land Northern Appalachia

Postage: \$
 Certified Mail Fee: \$
 Extra Services & Fees (check box, add fee as appropriate):
 Adult Signature Restricted Delivery \$
 Adult Signature Required \$
 Certified Mail Restricted Delivery \$
 Return Receipt (electronic) \$
 Return Receipt (hardcopy) \$

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 WV Department of
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77 06199J

WW-9
Revised 5/16

MAY 11 2017

Page ____ of ____
2) Operator's Well Number
153071 (WV Board of Governors A-80)
3) API Well No.: 47 077 - 00199

WV Department of
Environmental Protection

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL & GAS
FLUIDS / CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name: EQT PRODUCTION COMPANY OP CODE: _____

Watershed (HUC 10): Decker's Creek Quadrangle: Masontown 7.5'

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes___ NoX

Will a pit be used? Yes X No___

If so, please describe anticipated pit waste: _____

Will a synthetic liner be used in the pit? Yes X No___ Is so, what ml.? 20 40-ml

Proposed Disposal Method for Treated Pit Wastes:

- ____ Land Application (if selected provide a completed form WW-9-GPP) **NO LAND APPLICATION**
- ____ Underground Injection (UIC Permit Number _____)
- X Reuse (at API Number -- Various _____)
- X Off Site Disposal Permit (Supply form WW-9 for disposal location. See attachment)
- ____ 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, 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? _____

Permittee shall provide written notice to the Office of the 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 Division 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

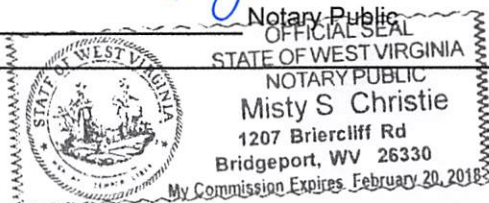
Company Official Signature *[Signature]*

Company Official (Typed Name) Victoria J. Roark

Company Official Title Permitting Supervisor - WV

Subscribed and sworn before me this 8th day of May, 2017

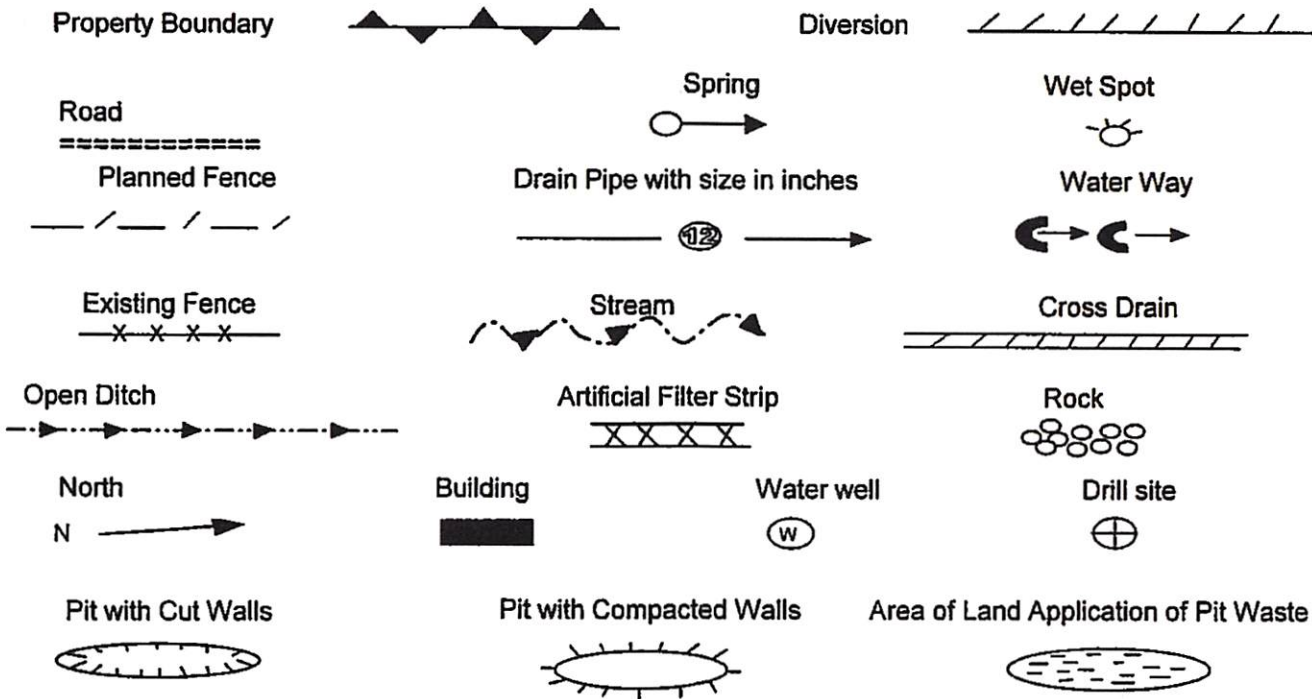
My Commission Expires 2/20/18



06/09/2017

OPERATOR'S WELL NO.:
171 (WV Board of Governors A-803)

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: *Hayes J. Knicker*

Comments: Reclaimed plugged well site ASAP

Title: Inspection

Date: 5/17/2017

Field Reviewed? Yes No

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 06/09/2017

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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7700199P

Topo Quad: Masontown 7.5' Scale: 1" = 200'

County: Preston Date: April 24, 2017

District: Valley Project No: 317-11-00-16

47-077-00199 WV 153071 (WV Board of Governors A-803)

Topo

Pit Location Map



47-077-00199
WV 153071

Existing Well
Access Road

LEGEND

- PIT-CUT WALLS
- PIT-COMPACTED WALLS
- AREA OF LAND APPLICATION OF PIT WASTE

NAD 27, North Zone
N:365272.55
E:1905200.83

WGS 84
LAT:39.502487
LONG:-79.835740
ELEV:1747.89



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
06/09/2017

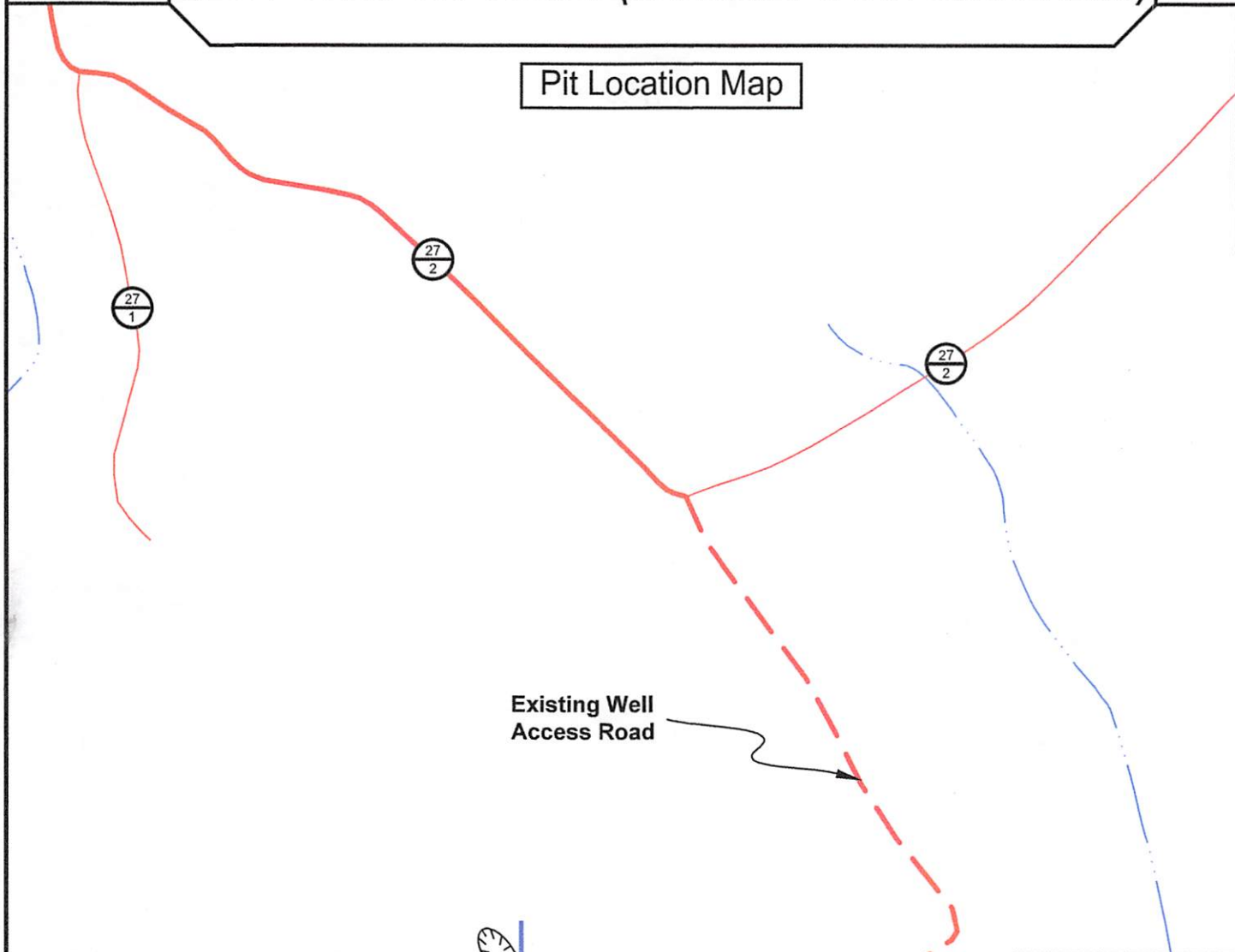
Topo Quad: Masontown 7.5' Scale: 1" = 500'

County: Preston Date: April 24, 2017

District: Valley Project No: 317-11-00-16

Highway 47-077-00199 WV 153071 (WV Board of Governors A-803)

Pit Location Map



Existing Well Access Road

47-077-00199
WV 153071



LEGEND

PIT-CUT WALLS



PIT-COMPACTED WALLS



AREA OF LAND APPLICATION OF PIT WASTE



NAD 27, North Zone
N:365272.55
E:1905200.83

WGS 84
LAT:39.502487
LONG:-79.835740
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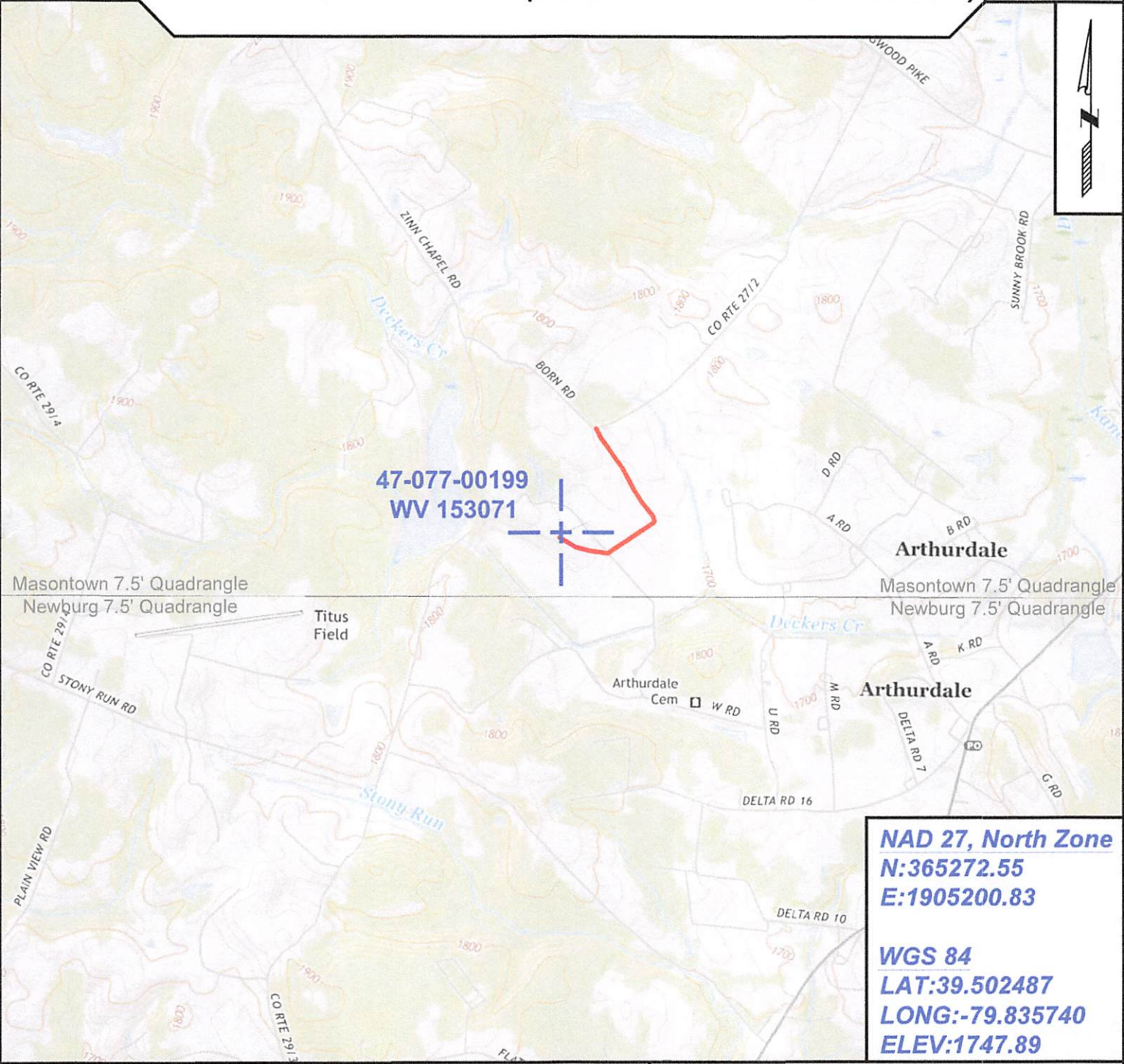
Topo Quad: Masontown 7.5' Scale: 1" = 2000'

County: Preston Date: April 24, 2017

District: Valley Project No: 317-11-00-16

47-077-00199 WV 153071 (WV Board of Governors A-803)

Topo



NAD 27, North Zone
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E:1905200.83

WGS 84
LAT:39.502487
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PREPARED FOR:
EQT Production Company
 P.O. Box 280
 Bridgeport, WV 26330
06/09/2017



POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY
LEASE NAME AND WELL No. WV Board of Governors A-803 WV 153071 47-077-00199

POTENTIAL SAMPLE LOCATIONS

Site: 1 Spacing: 597 +/- Owner: WV University Board of Governors
Address: PO Box 9030 Morgantown, WV, 26506 Phone No. _____
Comments: Pond

Site: 2 Spacing: 810 +/- Owner: WV University Board of Governors
Address: PO Box 9030 Morgantown, WV, 26506 Phone No. _____
Comments: Pond

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WV Department of
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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

06/09/2017

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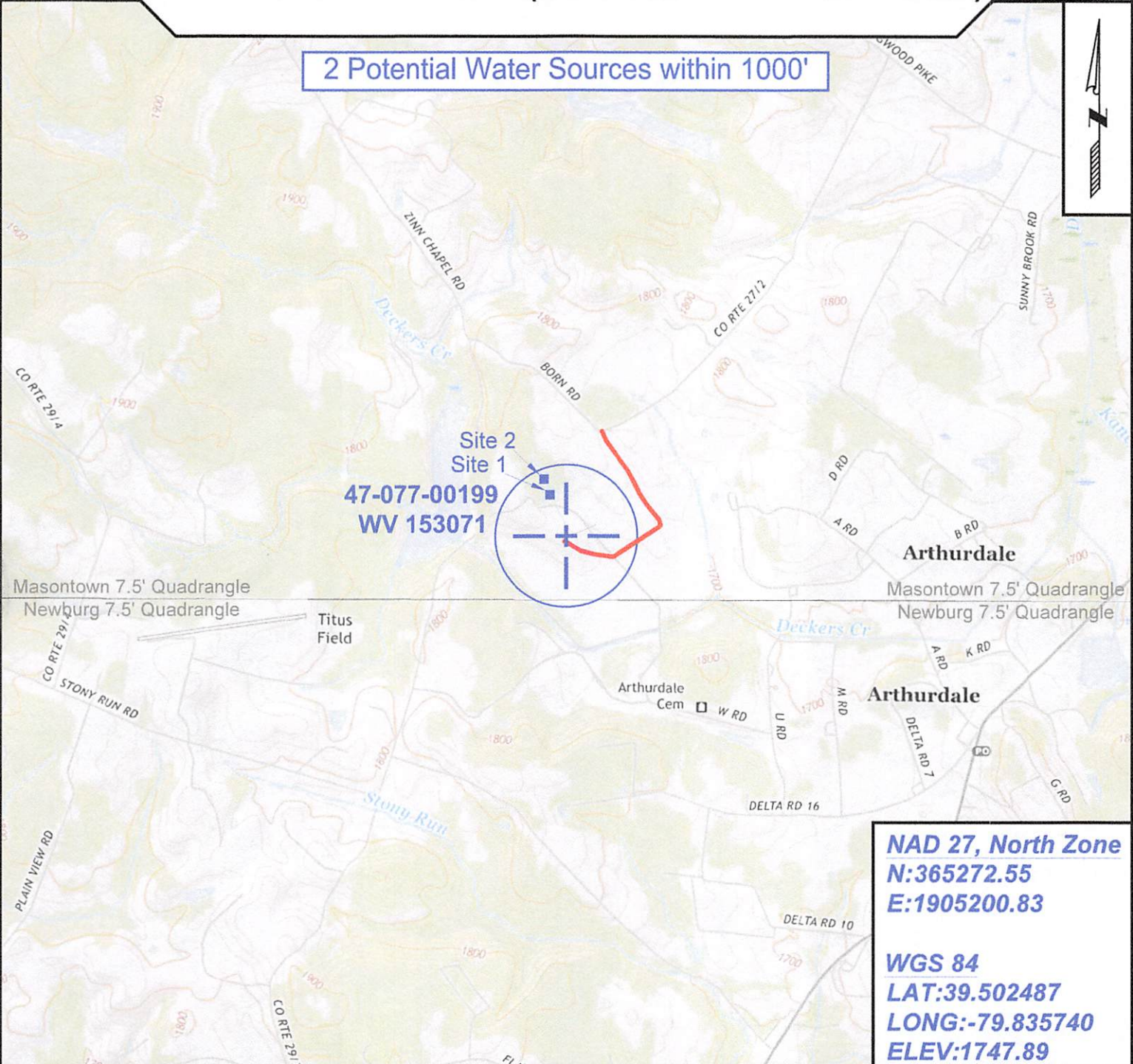
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County: Preston Date: April 24, 2017

District: Valley Project No: 317-11-00-16

Water **47-077-00199 WV 153071 (WV Board of Governors A-803)**

2 Potential Water Sources within 1000'



NAD 27, North Zone
N:365272.55
E:1905200.83

WGS 84
LAT:39.502487
LONG:-79.835740
ELEV:1747.89



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 Bridgeport, WV 26330
06/09/2017

WW-7
8-30-06

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WV Department of
Environmental Protection

West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 47-077-00199 WELL NO.: WV 153071 (WV Board of Governors A-803)

FARM NAME: WV Board of Governors

RESPONSIBLE PARTY NAME: EQT Production Company

COUNTY: Preston DISTRICT: Valley

QUADRANGLE: Masontown 7.5'

SURFACE OWNER: WV Board of Trustees, WVU Davis College of Agriculture

ROYALTY OWNER: Stella Baamonde, et al.

UTM GPS NORTHING: 4373187

UTM GPS EASTING: 600100 GPS ELEVATION: 533 m (1748 ft)

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 X : Post Processed Differential X
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.

Signature

PS# 2180
Title

5/3/17
Date

06/09/2017