



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

Austin Caperton, Cabinet Secretary
www.dep.wv.gov

Monday, May 07, 2018
WELL WORK PERMIT
Vertical / Plugging

EQT PRODUCTION COMPANY
625 LIBERTY AVE., SUITE 1700

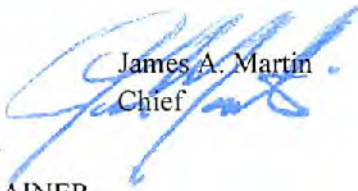
PITTSBURGH, PA 15222

Re: Permit approval for 607519
47-021-03175-00-00

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: Y
Farm Name: GAINER
U.S. WELL NUMBER: 47-021-03175-00-00
Vertical Plugging
Date Issued: 5/7/2018

I

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.

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

Date: April 5, 2018
Operator's Well
Well No. 607519 M. E. Gainer #1-7519
API Well No.: # 021 - 03175

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: 866 Watershed: Spring Run
Location: DeKalb County: Gilmer Quadrangle: Burnt House
District: _____
- 6) Well Operator EQT Production Company
120 Professional Place
Address: Bridgeport, WV 26330
- 7) Designated Agent: Jason Ranson
Address: 120 Professional Place
Bridgeport, WV 26330
- 8) Oil & Gas Danny Mullins
Name: 220 Jack Acres Rd
Address: Buckhannon WV 26201
- 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

Danny Mullins

Date 4-30-18

PLUGGING PROGNOSIS

Gainer, M.E. #1 (607519) **No well records**

District, Dekalb

Gilmer, WV

API # 47-021-03175

BY: Craig Duckworth

DATE: 4/16/18

CURRENT STATUS:

47 02 1 03 175 P

TD @ unknown (no well records)

Elevation @ 866'

Freshwater, @ No Records

Saltwater @ No record

Gas shows @ No records

Oil shows @ No Records

Coal @ No Records

Big Injun \approx 1825' from WV G&S
900M

1. Notify state inspector, **Danny Mullins, 304-932-6844, 24 hrs.** Prior to commencing operations.
2. TIH wireline, check fluid level, TD and find bottom of 3" casing also identify 3 1/2" Packer depth.
3. Notify EQT rep and WV DEP Inspector of information for perforating and cement schedule.
4. Attempt to shoot off 3 1/2" tubing above identified packer and attempt to pull 3 1/2" tubing.
5. If 3 1/2" tubing will not pull coming up hole 2 joints and attempt to shoot off 3 1/2" tubing and attempt to pull 3 1/2" tubing out of hole.
6. If 3 1/2" tubing will not pull, TIH w/ 1 1/2" tubing to top of packer and set 100' CIA cement plug from top of packer depth to 100' above 3 1/2" packer and let cement cure. TOO H with tubing completely.
7. If 3 1/2" tubing can be pulled, TIH w/ tubing to 3 1/2" packer and set 100' CIA cement plug from top of packer to 100' above 3 1/2" Packer and TOO H with tubing completely. Let cement cure.
8. TIH w/ wireline and collar locator and find the bottom of it looks like 6 5/8" casing or 8 1/4" casing and identify it. TOO H w/ wireline.
9. TIH w/ tubing to last cement top and cement from last cement top to 50' inside the identified casing seat depth. TOO H w/ tubing. Let cement cure.
10. Free point casing, cut casing at free point, TOO H casing.
11. Set 100' CIA cement plug 50' in/out of casing cut, perforate elevation, coat, oil and gas shows below cut if any are identified. Do not omit any plugs.

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APR 23 2018

WV Department of
Environmental Protection
05/11/2018

12. Repeat process of identifying and casing seats until the well is plugged to EQT Rep and WV DEP Inspector's directions.
13. Erect monument with API#, date plugged, company name, and company 6 digit ID #.
14. Reclaim location, road to WV-DEP specifications.

4702103175P

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05/11/2018

4702103175P



"Pipeline"

Select County: **(021) Gilmer** Select datatypes: (Check All)

Enter Permit #: **03175**

Location Production Plugging
 Owner/Completion Stratigraphy Sample
 Pay/Show/Water Logs Btm Hole Loc

Get Data Reset

Table Descriptions
 County Code Translations
 Permit Numbering Series
 Usage Notes
 Contact Information
 Disclaimer
 WVGES Main
 "Pipeline-Plus" New

WV Geological & Economic Survey

Well: County = 21 Permit = 03175

Report Time: Wednesday, May 02, 2018 10:52:35 AM

Location Information: [View Map](#)

API	COUNTY	PERMIT	TAX_DISTRICT	QUAD_75	QUAD_15	LAT_DD	LDN_DD	UTME	UTMN
4702103175	Gilmer	3175	unknown	unknown	unknown				

There is no Bottom Hole Location data for this well

Owner Information:

API	CMP_DT	SUFFIX	STATUS	SURFACE_OWNER	WELL_NUM	CO_NUM	LEASE	LEASE_NUM	MINERAL_OWN	OPERATOR_AT_COMPLETION	PROP_VD	PROP_TRGT_FM	TFM_EST_PR
4702103175	1/1898		Original Loc	Completed M E Gainer		7519				Pittsburgh & WV Gas			
4702103175	10/26/1943		Worked Over	Completed M E Gainer		7519				Pittsburgh & WV Gas			

Completion Information

API	CMP_DT	SPUD_DT	ELEV	DATUM	FIELD	DEEPEST_FM	DEEPEST_FMT	INITIAL_CLASS	FINAL_CLASS	TYPE	RIG	CMP_MTHD	TVD	TMD	NEW_FIG	G_BEF	G_AFT	O_BEF	O_AFT
4702103175	1/1898	1/1898			Unnamed	Greenland Gap Fm	Greenland Gap Fm	unclassified	unclassified	Gas	Cable Tool	unknown	2873		2873	0	0	0	0
4702103175	10/26/1943	10/26/1943			Unnamed	Big Injun (Gmbr)	Big Injun (Gmbr)	unclassified	unclassified	Gas	unknown	unknown	1825		0	0	110	0	0

There is no Pay data for this well

Production Gas Information: (Volumes in Mcf)

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_GAS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4702103175	Equitable Gas Co.	1981	1,085	47	32	35	136	141	138	141	141	68	70	68	70
4702103175	Equitable Gas Co.	1982	414	0	64	0	68	0	0	0	0	0	0	0	282
4702103175	Equitable Gas Co.	1983	268	141	127	0	0	0	0	0	0	0	0	0	0
4702103175	Equitable Gas Co.	1984	2,697	282	264	132	68	0	555	0	564	0	555	0	277
4702103175	Equitable Gas Co.	1985	1,655	0	268	0	134	0	139	0	282	0	555	0	277
4702103175	Equitable Gas Co.	1986	752	0	268	49	67	0	139	0	94	0	92	0	92
4702103175	Equitrans, L. P.	1988	734	0	136	0	134	0	139	0	141	0	92	0	92
4702103175	Equitrans, L. P.	1989	434	0	67	0	67	0	92	0	70	0	69	0	69
4702103175	Equitrans, L. P.	1990	716	0	67	0	89	0	0	0	282	0	139	0	139
4702103175	Equitrans, L. P.	1991	2,219	0	134	0	134	0	555	0	564	0	277	0	555
4702103175	Equitrans, L. P.	1992	1,650	0	545	0	268	0	277	0	282	0	139	0	139
4702103175	Equitrans, L. P.	1993	574	0	89	0	89	0	92	0	47	70	70	70	47
4702103175	Equitrans, L. P.	1994	467	70	42	47	42	47	45	47	47	45	35	0	0
4702103175	Equitrans, L. P.	1995	2,889	50	46	303	147	303	293	303	0	457	379	308	300
4702103175	Equitrans, L. P.	1996	2,252	55	119	0	0	212	205	212	394	344	379	285	47
4702103175	Equitrans, L. P.	1997	0	0	0	0	0	0	0	0	0	0	0	0	0
4702103175	Equitrans, L. P.	1998	2,809	327	312	325	339	284	293	193	247	138	109	112	140
4702103175	Equitrans, L. P.	1999	832	39	0	48	31	67	84	89	119	96	91	76	92
4702103175	Equitrans, L. P.	2000	573	54	47	49	50	57	40	49	58	32	50	53	34
4702103175	Equitable Production Company	2001	2,020	178	160	178	157	152	147	184	153	154	195	203	185
4702103175	Equitable Production Company	2002	258	42	18	15	49	44	22	0	17	32	8	1	18
4702103175	Equitable Production Company	2003	190	54	29	10	17	8	9	6	42	0	0	5	10
4702103175	Equitable Production Company	2004	151	29	19	12	0	10	16	12	5	4	4	15	25
4702103175	Equitable Production Company	2005	89	18	6	10	12	10	14	14	3	1	0	0	1
4702103175	Equitable Production Company	2006	69	0	0	0	0	0	0	15	2	8	1	20	23
4702103175	Equitable Production Company	2007	43	16	10	5	9	1	0	0	0	0	0	0	2
4702103175	EQT Production Company	2008	31	13	13	5	0	0	0	0	0	0	0	0	0
4702103175	EQT Production Company	2009	0	0	0	0	0	0	0	0	0	0	0	0	0
4702103175	EQT Production Company	2010	0	0	0	0	0	0	0	0	0	0	0	0	0
4702103175	EQT Production Company	2011	0	0	0	0	0	0	0	0	0	0	0	0	0
4702103175	EQT Production Company	2012	219	0	0	0	8	2	0	0	0	0	1	208	0
4702103175	EQT Production Company	2013	4	0	0	1	1	0	1	0	0	0	0	1	0
4702103175	EQT Production Company	2014	2	1	0	0	0	0	1	0	0	0	0	0	0
4702103175	EQT Production Company	2015	0	0	0	0	0	0	0	0	0	0	0	0	0
4702103175	EQT Production Company	2016	0	0	0	0	0	0	0	0	0	0	0	0	0

Production Oil Information: (Volumes in Bbl) ** some operators may have reported NGL under Oil

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_OIL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4702103175	Equitable Gas Co.	1981	0	0	0	0	0	0	0	0	0	0	0	0	0
4702103175	Equitable Gas Co.	1982	0	0	0	0	0	0	0	0	0	0	0	0	0
4702103175	Equitable Gas Co.	1983	0	0	0	0	0	0	0	0	0	0	0	0	0
4702103175	Equitable Gas Co.	1984	0	0	0	0	0	0	0	0	0	0	0	0	0
4702103175	Equitable Gas Co.	1985	0	0	0	0	0	0	0	0	0	0	0	0	0
4702103175	Equitable Gas Co.	1986	0	0	0	0	0	0	0	0	0	0	0	0	0
4702103175	Equitrans, L. P.	1988	0	0	0	0	0	0	0	0	0	0	0	0	0
4702103175	Equitrans, L. P.	1989	0	0	0	0	0	0	0	0	0	0	0	0	0
4702103175	Equitrans, L. P.	1990	0	0	0	0	0	0	0	0	0	0	0	0	0
4702103175	Equitrans, L. P.	1991	0	0	0	0	0	0	0	0	0	0	0	0	0
4702103175	Equitrans, L. P.	1992	0	0	0	0	0	0	0	0	0	0	0	0	0
4702103175	Equitrans, L. P.	1993	0	0	0	0	0	0	0	0	0	0	0	0	0
4702103175	Equitrans, L. P.	1994	0	0	0	0	0	0	0	0	0	0	0	0	0
4702103175	Equitrans, L. P.	1995	0	0	0	0	0	0	0	0	0	0	0	0	0
4702103175	Equitrans, L. P.	1996	0	0	0	0	0	0	0	0	0	0	0	0	0
4702103175	Equitrans, L. P.	1997	0	0	0	0	0	0	0	0	0	0	0	0	0
4702103175	Equitrans, L. P.	1998	0	0	0	0	0	0	0	0	0	0	0	0	0
4702103175	Equitrans, L. P.	1999	0	0	0	0	0	0	0	0	0	0	0	0	0
4702103175	Equitrans, L. P.	2000	0	0	0	0	0	0	0	0	0	0	0	0	0
4702103175	Equitable Production Company	2001	0	0	0	0	0	0	0	0	0	0	0	0	0
4702103175	Equitable Production Company	2002	0	0	0	0	0	0	0	0	0	0	0	0	0
4702103175	Equitable Production Company	2003	0	0	0	0	0	0	0	0	0	0	0	0	0
4702103175	Equitable Production Company	2004	0	0	0	0	0	0	0	0	0	0	0	0	0
4702103175	Equitable Production Company	2005	0	0	0	0	0	0	0	0	0	0	0	0	0
4702103175	Equitable Production Company	2006	0	0	0	0	0	0	0	0	0	0	0	0	0
4702103175	Equitable Production Company	2007	0	0	0	0	0	0	0	0	0	0	0	0	0
4702103175	EQT Production Company	2008	0	0	0	0	0	0	0	0	0	0	0	0	0
4702103175	EQT Production Company	2009	0	0	0	0	0	0	0	0	0	0	0	0	0
4702103175	EQT Production Company	2010	0	0	0	0	0	0	0	0	0	0	0	0	0
4702103175	EQT Production Company	2011	0	0	0	0	0	0	0	0	0	0	0	0	0
4702103175	EQT Production Company	2012	0	0	0	0	0	0	0	0	0	0	0	0	0
4702103175	EQT Production Company	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
4702103175	EQT Production Company	2014	0	0	0	0	0	0	0	0	0	0	0	0	0
4702103175	EQT Production Company	2015	0	0	0	0	0	0	0	0	0	0	0	0	0
4702103175	EQT Production Company	2016	0	0	0	0	0	0	0	0	0	0	0	0	0

Production NGL Information: (Volumes in Bbl) ** some operators may have reported NGL under Oil

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_NGL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4702103175	EQT Production Company	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
4702103175	EQT Production Company	2014	0	0	0	0	0	0	0	0	0	0	0	0	0
4702103175	EQT Production Company	2015	0	0	0	0	0	0	0	0	0	0	0	0	0
4702103175	EQT Production Company	2016	0	0	0	0	0	0	0	0	0	0	0	0	0

Production Water Information: (Volumes in Gallons)

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_WTR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4702103175	EQT Production Company	2016	0	0	0	0	0	0	0	0	0	0	0	0	0

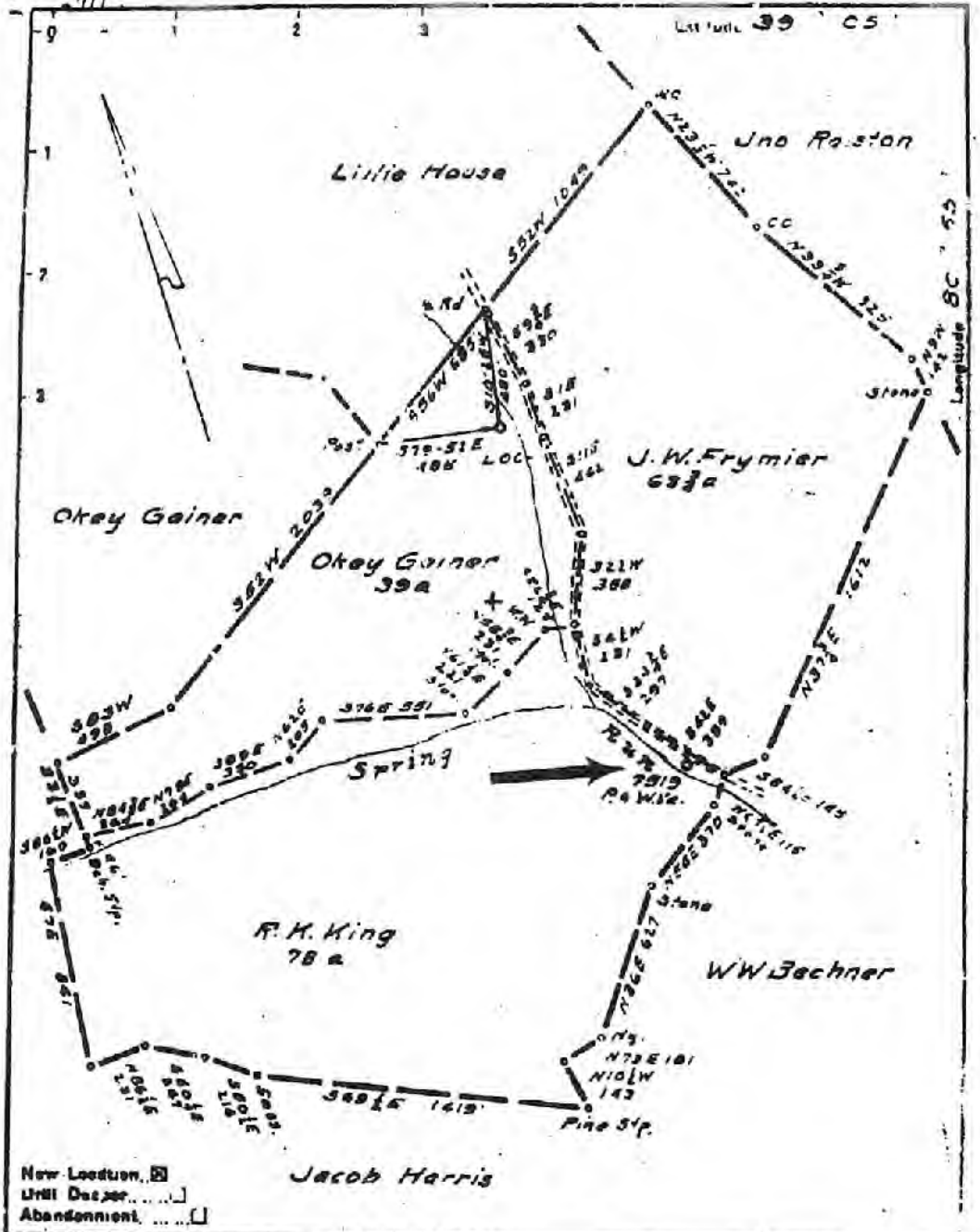
There is no Stratigraphy data for this well

There is no Wireline (E-Log) data for this well

There is no Plugging data for this well

05/11/2018

47 02 103 17 5P



Company	Spring Run Gas Co.
Address	Clarksburg W. Va.
Farm	M.E. Gainer
Tract	Acres 200 Lease No. 20849
Well (Form) No.	1 Serial No.
Elevation (Spirit Level)	303
Quadrangle	Halbrook SW 32
County	Gilmer District DeKalb
Engineer	James P. Griffin
Engineer's Registration No.	1084
File No.	164/153 Drawing No.
Date	6-18-97 Scale 1"=500'

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

WELL LOCATION MAP
 FILE NO. Gil-809
 Gilmer - RECEIVED # 7519
 Office of Oil and Gas
 FOR REFERENCE ONLY
 NO PLAT AVAILABLE
 APR 20 2013

of original tracing.
 WV Department of
 Environmental Protection

05/11/2013

1) Date: April 5, 2018
2) Operator's Well Number
607519 M. E. Gainer #1-7519
3) API Well No.: # 021 - 03175
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

4702103175P

4) Surface Owner(s) to be served:
(a) Name JJR WVA LLC
Address c/o John Ryan
134 S Webb Rd.
Hopkins NC 29061
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Danny Mullins
Address 220 Jack Acres Rd
Buckhannon WV 26201
Telephone 304-932-6844

5) (a) Coal Operator:
Name None
Address _____
(b) Coal Owner(s) with Declaration
Name H3, LLC
1483 Johns Creek Rd.
Address Milton WV 25541
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

Erin Spine

Its:

Regional Land Supervisor

Address:

2200 Energy Drive

Telephone:

Canonsburg PA 15317

(304) 848-0035

Subscribed and sworn before me this

18

day of

April

2018

Notary Public

My Commission Expires:

4-7-2020

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Office of Oil and Gas

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.

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

4702103175P

Operator Name: EQT PRODUCTION COMPANY OP CODE: _____

Watershed (HUC 10): Spring Run Quadrangle: Burnt House

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

Will a pit be used? Yes X No ___

If so, please describe anticipated pit waste: _____

Formation Fluids

Will a synthetic liner be used in the pit? Yes X No ___ Is so, what ml.? 20 ml

Proposed Disposal Method for Treated Pit Wastes:

- _____ Land Application (if selected provide a completed form WW-9-GPP)
- _____ 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 a 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.

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.

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Office of Oil and Gas

APR 23 2018

Company Official Signature *Erin Spine*

Company Official (Typed Name) Erin Spine

WV Department of
Environmental Protection

Company Official Title Regional Land Supervisor

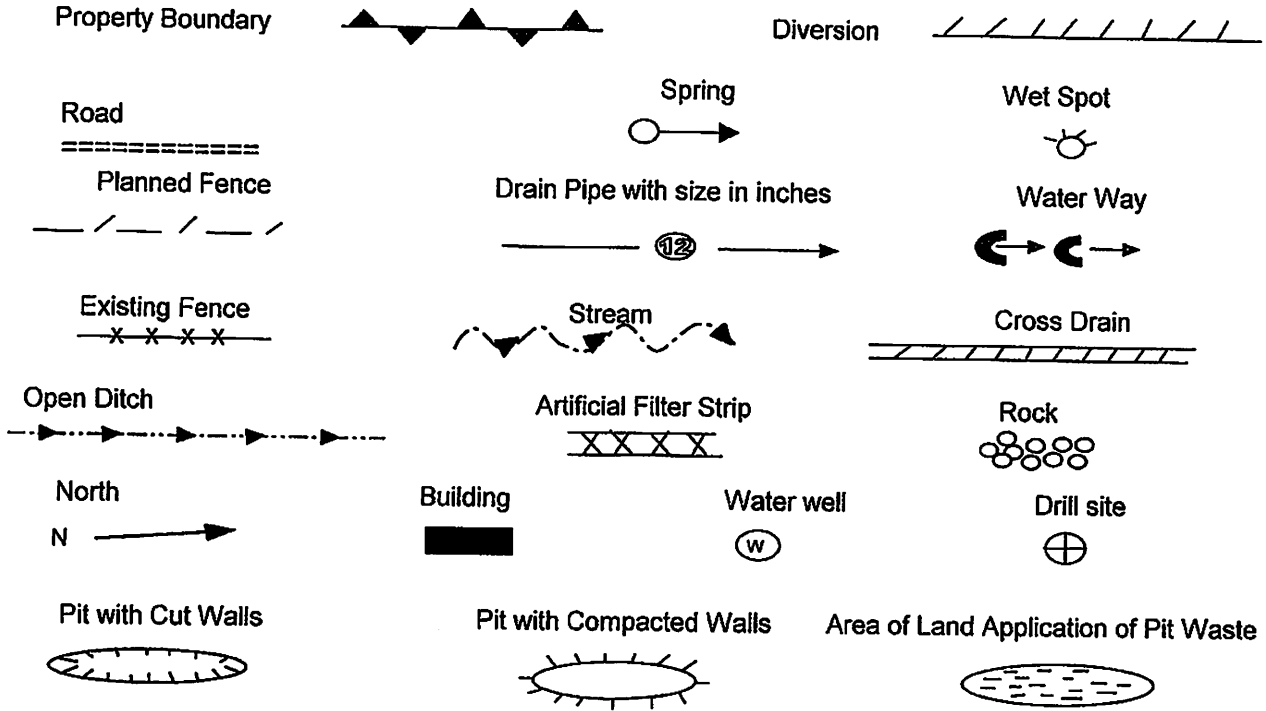
Subscribed and sworn before me this 18 day of April 2018

Rebecca L. Wanstreet
My Commission Expires 4-7-2020



OPERATOR'S WELL NO.:
607519 M. E. Gainer #1-7519

LEGEND



DM

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: _____

Comments: _____

Title: _____ Date: _____

Field Reviewed? Yes ✓ No

EQT Production Water plan
Offsite disposals

4702 703175P

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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05/11/2018

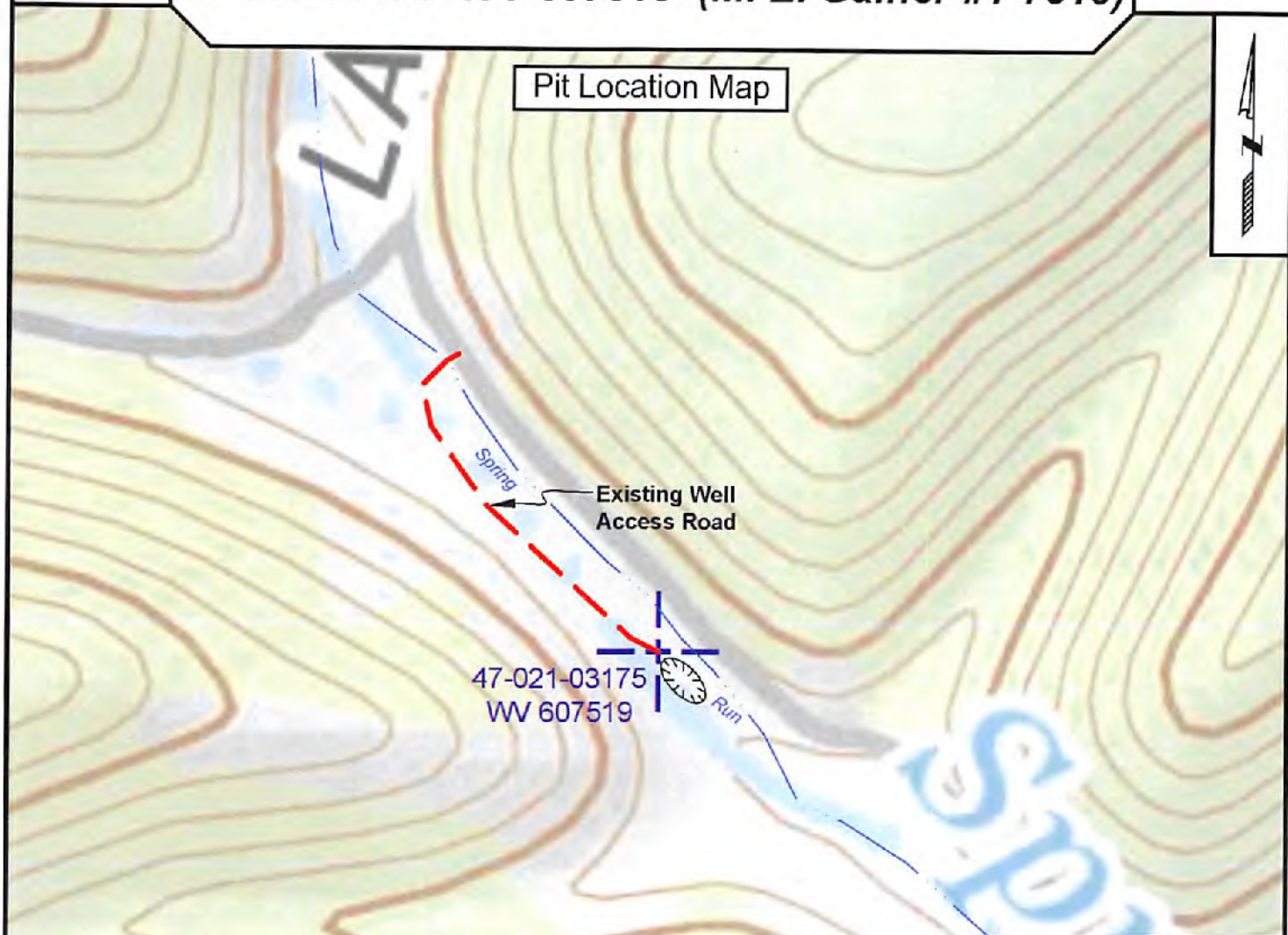
4702103175P

Topo Quad: <u>Burnt House 7.5'</u>	Scale: <u>1" = 200'</u>
County: <u>Gilmer</u>	Date: <u>March 08, 2018</u>
District: <u>DeKalb</u>	Project No: <u>25-19-00-07</u>

47-021-03175 WV 607519 (M. E. Gainer #1-7519)

Topo

Pit Location Map




47-021-03175
WV 607519

NAD 27, South Zone
N:732017.79
E:2004665.21

WGS 84
LAT:39.010312
LONG:-80.983415
EEEEV:866.13

LEGEND

 Proposed Pit Location



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: **Office of Oil and Gas**
EQT Production Company
 P.O. Box 280
 Bridgeport, WV 26330
 WV Department of
 Environmental Protection
05/11/2018

47 02 03 175 P

Topo Quad: Burnt House 7.5' Scale: 1" = 1000'
 County: Gilmer Date: March 08, 2018
 District: DeKalb Project No: 25-19-00-07

Highway **47-021-03175 WV 607519 (M. E. Gainer #1-7519)**

Pit Location Map



NAD 27, South Zone
N:732017.79
E:2004665.21

WGS 84
LAT:39.010312
LONG:-80.983415
ELEV:866.13

LEGEND

Proposed Pit Location

To US Routes
 33 & 119
 12.6 Miles ±



SURVEYING AND MAPPING SERVICES PERFORMED BY:
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 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

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 P.O. Box 280
 Bridgeport, WV 26330
 APR 23 2018
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47 02 103175

Topo Quad: Burnt House 7.5'

Scale: 1" = 2000'

County: Gilmer

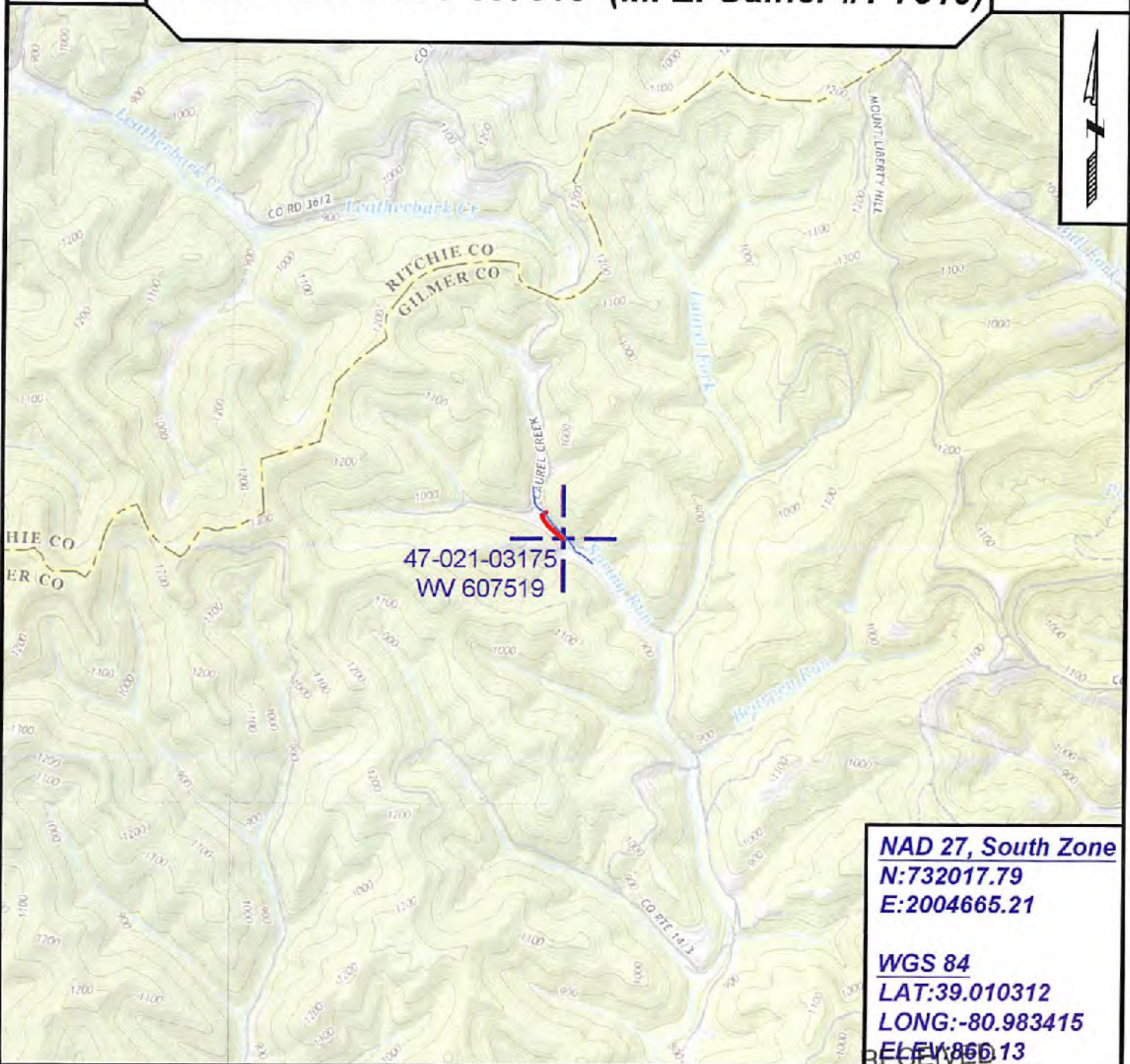
Date: March 08, 2018

District: DeKalb

Project No: 25-19-00-07

47-021-03175 WV 607519 (M. E. Gainer #1-7519)

Topo



47-021-03175
WV 607519

NAD 27, South Zone
N:732017.79
E:2004665.21

WGS 84
LAT:39.010312
LONG:-80.983415
ELEV:866.13



SURVEYING AND MAPPING SERVICES PERFORMED BY:
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Birch River, WV 26610
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FAX: (304) 649-8608

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EQT Production Company

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P.O. Box 280
Bridgeport, WV 26330
WV Department of
Environment & Natural Resources
05/11/2018

47 02 103 175P



POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY
LEASE NAME AND WELL No. M. E. Gainer #1-7519 - WV 607519 - API No. 47-021-03175

POTENTIAL SAMPLE LOCATIONS

Site: 1 Spacing: 523 +/- Owner: JJR WVA LLC (c/o John Ryan)
 Address: 134 S Webb Rd., Hopkins, SC 29061 Phone No. _____
 Comments: _____

Site: 1 Spacing: 945 +/- Owner: JJR WVA LLC (c/o John Ryan)
 Address: 134 S Webb Rd., Hopkins, SC 29061 Phone No. _____
 Comments: _____

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APR 23 2018

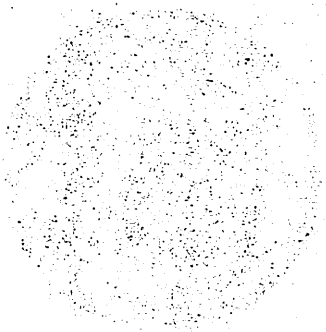
WV Department of
Environmental Protection

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 Road
Alum Creek, WV 25003
phone: 304-756-2949 fax: 304-756-2948

44-100-2054



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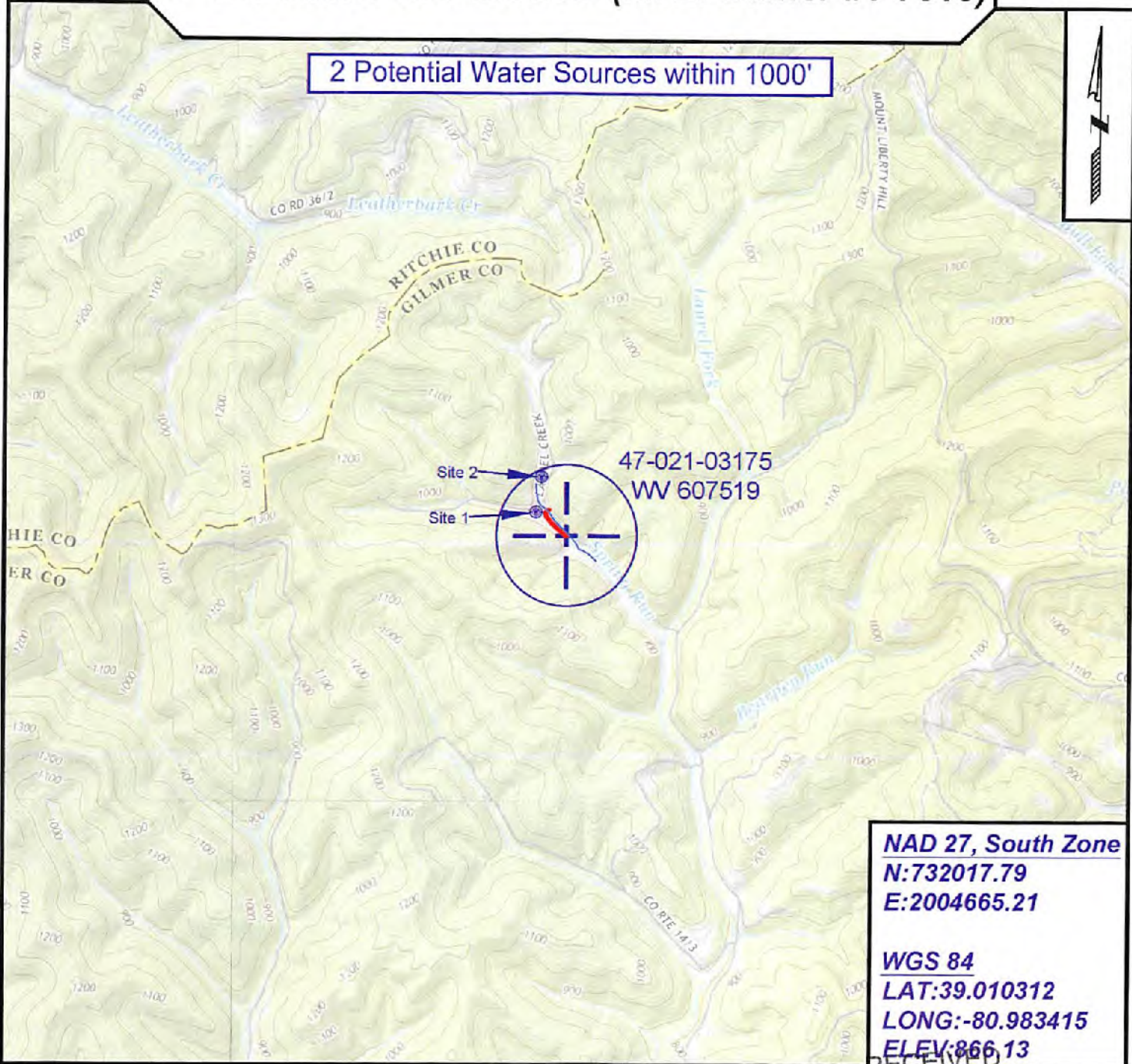
47 02 03 17 5A

Topo Quad: Burnt House 7.5' Scale: 1" = 2000'
 County: Gilmer Date: March 08, 2018
 District: DeKalb Project No: 25-19-00-07

Water

47-021-03175 WV 607519 (M. E. Gainer #1-7519)

2 Potential Water Sources within 1000'



NAD 27, South Zone
N:732017.79
E:2004665.21

WGS 84
LAT:39.010312
LONG:-80.983415
ELEV:866.13



SURVEYING AND MAPPING SERVICES PERFORMED BY:
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 Birch River, WV 26610
 PH: (304) 649-8606
 FAX: (304) 649-8608

PREPARED FOR:
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EQT Production Company
 P.O. Box 280
 Bridgeport, WV 26330
 WV Department of Environment
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West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 47-021-03175 WELL NO.: WV 607519 (M. E. Gainer #1-7519)

FARM NAME: M. E. Gainer

RESPONSIBLE PARTY NAME: EQT Production Company

COUNTY: Gilmer DISTRICT: DeKalb

QUADRANGLE: Burnt House 7.5'

SURFACE OWNER: JJR WVA, LLC (c/o John Ryan)

ROYALTY OWNER: Garnet Gas Company, et al.

UTM GPS NORTHING: 4317921

UTM GPS EASTING: 501436 GPS ELEVATION: 264 m (866 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.

St. John
Signature

PS # 2180
Title

3/22/18
Date

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APR 23 2018

WV Department of
Environmental Protection