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west virginia department of environmental protection

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Office of Oil and Gas  
601 57<sup>th</sup> Street, S.E.  
Charleston, WV 25304  
(304) 926-0450  
fax: (304) 926-0452

Austin Caperton, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Tuesday, December 15, 2020  
PERMIT MODIFICATION APPROVAL  
Horizontal 6A / New Drill

EQT PRODUCTION COMPANY  
625 LIBERTY AVE., SUITE 1700  
PITTSBURGH, PA 15222

Re: Permit Modification Approval for SIZEMORE 3H  
47-103-03345-00-00

**Extend Lateral, Total Measured Depth 13447' to 14460'. Updated Leases and Plat.**

EQT PRODUCTION COMPANY

The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before permitted well work is commenced.

If there are any questions, please feel free to contact me at (304) 926- 0450.

A handwritten signature in blue ink, appearing to read 'James A. Martin', is positioned above the printed name and title.

James A. Martin  
Chief

Operator's Well Number: SIZEMORE 3H  
Farm Name: ANTHONY W. & KIMBERLY A. SIZEMORE  
U.S. WELL NUMBER: 47-103-03345-00-00  
Horizontal 6A New Drill  
Date Modification Issued: 12/15/2020

Promoting a healthy environment.

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
WELL WORK PERMIT APPLICATION

1) Well Operator: EQT Production Company 306686 Wetzel Center Littleton  
Operator ID County District Quadrangle

2) Operator's Well Number: 3H Well Pad Name: Sizemore

3) Farm Name/Surface Owner: Anthony W. Sizemore Public Road Access: CR 7/16

4) Elevation, current ground: 1148' (built) Elevation, proposed post-construction: 1148' (built)

5) Well Type (a) Gas  Oil  Underground Storage

Other

(b) If Gas Shallow  Deep

Horizontal

6) Existing Pad: Yes or No Yes

*DMH 10/7/20*

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):  
Marcellus, 7318', 50', 2,620 psi

8) Proposed Total Vertical Depth: 7,318'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 23,122'

11) Proposed Horizontal Leg Length: 14,460'

12) Approximate Fresh Water Strata Depths: 176', 682', 717'

13) Method to Determine Fresh Water Depths: Offset Wells 47-103-02120; 47-103-02121; 47-103-02580

14) Approximate Saltwater Depths: 1,859'

15) Approximate Coal Seam Depths: 527'-531'; 754.5'-761', 888'-891'

16) Approximate Depth to Possible Void (coal mine, karst, other): N/A

17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes  No

(a) If Yes, provide Mine Info: Name: \_\_\_\_\_  
Depth: \_\_\_\_\_  
Seam: \_\_\_\_\_  
Owner: \_\_\_\_\_

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DEC 04 2020  
WV Department of  
Environmental Protection

WW-6B  
(04/15)

API NO. 47- 103 - 03345  
 OPERATOR WELL NO. 3H  
 Well Pad Name: Sizemore

18)

**CASING AND TUBING PROGRAM**

<b>TYPE</b>	<u>Size (in)</u>	<u>New or Used</u>	<u>Grade</u>	<u>Weight per ft. (lb/ft)</u>	<u>FOOTAGE: For Drilling (ft)</u>	<u>INTERVALS: Left in Well (ft)</u>	<u>CEMENT: Fill-up (Cu. Ft.)/CTS</u>
Conductor	26	New	A-500	85.6	40	40 ✓	101 ft^3 / CTS
Fresh Water	13 3/8	New	J-55	54.5	1158	1158 ✓	1095 ft^3 / CTS
Coal							
Intermediate	9 5/8	New	P-110	40	2463	2463	958 ft^3 / CTS
Production	5 1/2	New	P-110	20	23122	23122	500' above intermediate casing
Tubing							
Liners							

*DWAH 10/7/20*

<b>TYPE</b>	<u>Size (in)</u>	<u>Wellbore Diameter (in)</u>	<u>Wall Thickness (in)</u>	<u>Burst Pressure (psi)</u>	<u>Anticipated Max. Internal Pressure (psi)</u>	<u>Cement Type</u>	<u>Cement Yield (cu. ft./k)</u>
Conductor	26	30	0.312	1050	18	Class A	1.18
Fresh Water	13 3/8	17 1/2	0.380	2730	2184	Class A	1.13
Coal							
Intermediate	9 5/8	12 3/8	0.395	7900	6320	Class A	1.18
Production	5 1/2	8 1/2	0.361	14360	11488	Class A/H	1.04 - 2.098
Tubing							
Liners							

**PACKERS**

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Kind:					DEC 04 2020
Sizes:					WV Department of
Depths Set:					Environmental Protection

19) Describe proposed well work, including the drilling and plugging back of any pilot hole:

This well has been topset. EQT will continue drilling the curve. Drill the lateral in the Marcellus. Cement casing.

*DWAH 10/7/20*

20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:

Hydraulic fracturing is completed in accordance with state regulations using water recycled from previously fractured wells and obtained from freshwater sources. This water is mixed with sand and a small percentage (less than 0.1%) of chemicals (including 15% Hydrochloric acid, friction reducer, biocide, and scale inhibitor), referred to in the industry as a "slickwater" completion. Maximum anticipated internal casing pressure is expected to be approximately 10,000 psi, maximum anticipated treating rates are expected to average approximately 100 bpm. Stage lengths vary from 150 to 300 feet. Average approximately 350,000 gallons of water per stage. Sand sizes vary from 100 mesh to 20/40 mesh. Average approximately 200,000-600,000 pounds of proppant per stage.

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): N/A - Site built

22) Area to be disturbed for well pad only, less access road (acres): N/A - Site built

23) Describe centralizer placement for each casing string:

- Surface: Bow spring centralizers – One centralizer at the shoe and one spaced every 500’.
- Intermediate: Bow spring centralizers– One centralizer at the shoe and one spaced every 500’.
- Production: One solid body centralizer spaced every joint from production casing shoe to KOP

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24) Describe all cement additives associated with each cement type:

Conductor: Class A no additives  
Surface: Calcium Chloride. Used to speed the setting of cement slurries  
Intermediate: Calcium Chloride. Used to speed the setting of cement slurries.  
Production: Calcium Carbonate, Fluid Loss, Extender, Dispersent, Viscosifier, Defoamer, POZ, Bonding Agent, Retarder, Anti-Settling/Suspension Agent

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Environmental Protection

25) Proposed borehole conditioning procedures:

Surface: Circulate hole clean while rotating & reciprocating the drill string until cuttings diminish at surface.  
Intermediate: Circulate hole clean while rotating & reciprocating the drill string until cuttings diminish at surface.  
Production: Perform a cleanup cycle by pumping 3-8 bottoms up or until the shakers are clean. Check volume of cuttings coming across the shakers every 15 minutes.

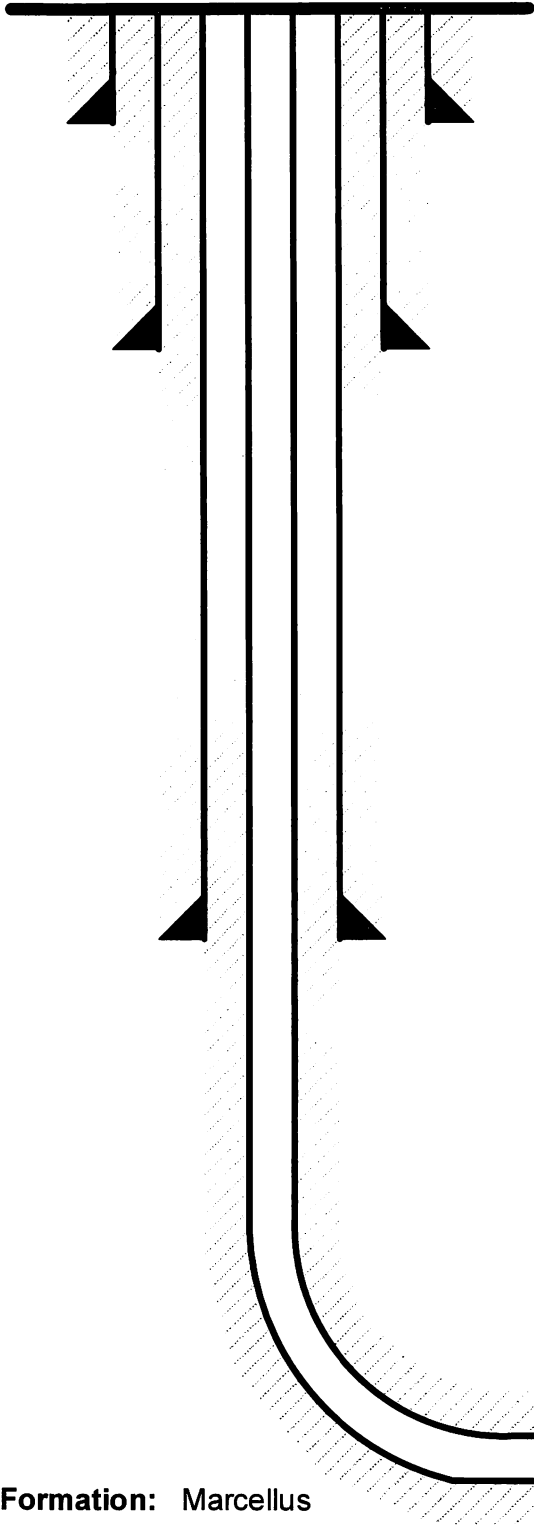
\*Note: Attach additional sheets as needed.

**EQT Production**

**Wellbore Diagram**

Well: Sizemore 3H  
Pad: Sizemore  
Elevation: 1148' GL 1161' KB

County: Wetzel  
State: West Virginia



**Conductor @ 40'**

26", 85.6#, A-500, cement to surface w/ Class A

**Surface @ 1,158'**

13-3/8", 54.5#, J-55, cement to surface w/ Class A

**Intermediate @ 2,463'**

9-5/8", 40#, P-110, cement to surface w/ Class A

**Production @ 23,122' MD / 7,318' TVD**

5-1/2", 20#, P-110, cement to 500' inside 9-5/8" w/ Class A/H

**Formation: Marcellus**

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*DMAH 10/7/20*

NOT TO SCALE





# SITE SAFETY AND ENVIRONMENTAL PLAN

Sizemore Pad  
Wells: 1H, 3H, 5H, 7H, 9H  
11H, 13H, 15H, 17H  
Center District  
Wetzel County, WV

Prepared By: Donny Prater, CSP, Health and Safety Sciences, LLC

Approved By: Scott M. Held, Senior Safety Coordinator

Created Date: 29-Jan-20

*John F. Zavatchan Jr.*

John Zavatchan  
Project Specialist - Permitting  
EQT Production Company

*Derek M. Haught*

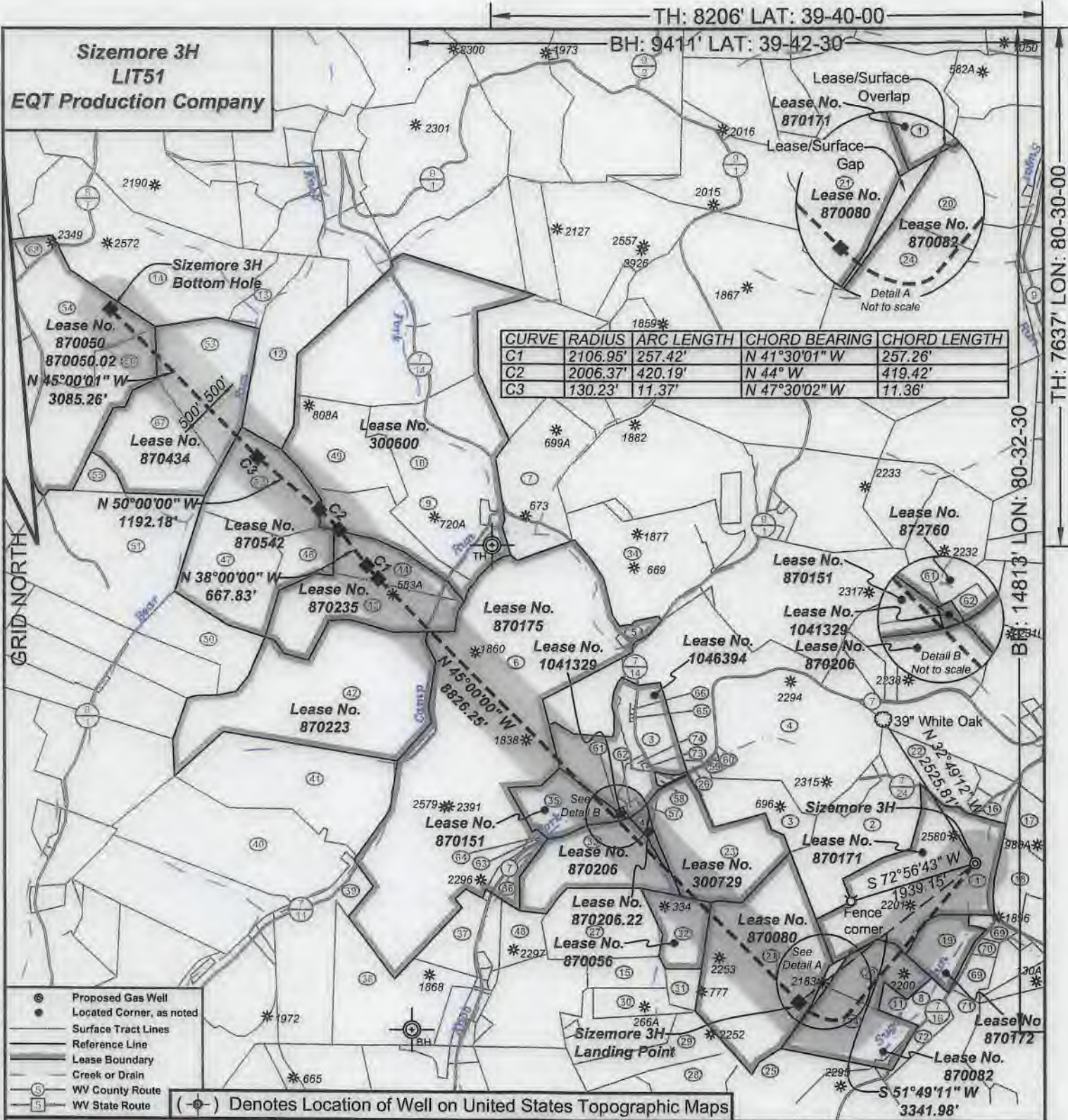
Derek Haught  
Oil and Gas Inspector  
West Virginia DEP

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WV Department of  
Environmental Protection





I, the undersigned, hereby certify that this plat 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 Department of Environmental Protection.

*Ben R. Singleton*  
P.S. 2092



FILE NO: 208-19  
DRAWING NO: Sizemore 3H  
SCALE: 1" = 2000'  
MINIMUM DEGREE OF ACCURACY: 1:2500  
PROVEN SOURCE OF ELEVATION: NGS CORS Station

**STATE OF WEST VIRGINIA**  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
**OIL AND GAS DIVISION**

DATE: December 1 20 20  
OPERATOR'S WELL NO.: Sizemore 3H  
API WELL NO  
47 - 103 - 03345  
STATE COUNTY PERMIT

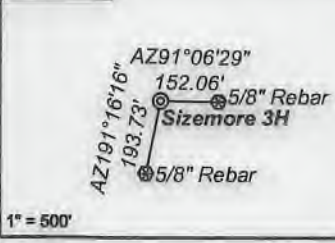
WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
(IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW  
LOCATION: ELEVATION: 1148' WATERSHED Tributary of Sugar Run QUADRANGLE: Littleton  
DISTRICT: Center COUNTY: Wetzel  
SURFACE OWNER: Anthony W. & Kimberly A. Sizemore ACREAGE: 75.36  
ROYALTY OWNER: Anthony W. Sizemore LEASE NO: 870171 ACREAGE: 75.36  
PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY)  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: 7,318'

WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Joseph C. Mallow  
ADDRESS: 400 Woodcliff Drive ADDRESS: 115 Professional Place PO Box 280  
Canonsburg, PA 15317 Bridgeport, WV 26330



**Sizemore 3H  
LIT51  
EQT Production Company**

**Well References**

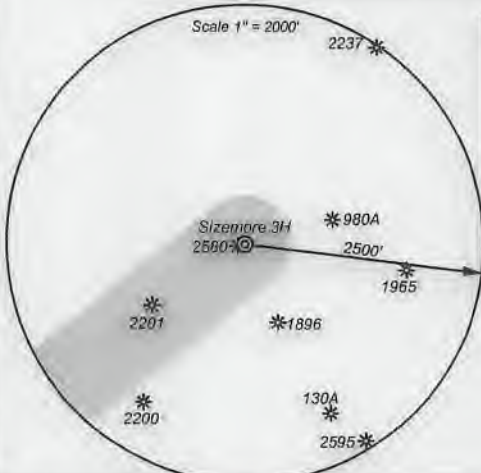


**Notes:**  
Sizemore 3H coordinates are  
NAD 27 N: 418,949.76 E: 1,710,204.33  
NAD 27 Lat: 39.645702 Long: -80.529140  
NAD 83 UTM N: 4,388,550.01 E: 540,416.04  
Sizemore 3H Landing Point coordinates are  
NAD 27 N: 416,883.95 E: 1,707,577.30  
NAD 27 Lat: 39.639948 Long: -80.538384  
NAD 83 UTM N: 4,387,907.25 E: 539,626.15  
Sizemore 3H Bottom Hole coordinates are  
NAD 27 N: 427,101.28 E: 1,697,359.95  
NAD 27 Lat: 39.667667 Long: -80.575096  
NAD 83 UTM N: 4,390,968.01 E: 536,461.41  
West Virginia Coordinate system of 1927 (North Zone)  
based upon Differential GPS Measurements.  
Plat orientation, corner and well ties are based upon  
the grid north meridian.  
Well location references are based upon the grid north  
meridian.  
UTM coordinates are NAD83, Zone 17, Meters.

Tract I.D.	Tax Map No.	Parcel No.	County	District	Surface Tract Owner	Acres
1	16	9	Wetzel	Center	Anthony Sizemore	75.38
2	16	8	Wetzel	Center	Larry D. Roberts	44.50
3	16	6	Wetzel	Center	Marilyn E. Thomas	70.97
4	12	9	Wetzel	Center	Nancy E. Jolliffe	44.77
5	12	18	Wetzel	Center	Homer L. Patricia J. Hostuttler	3.46
6	12	16	Wetzel	Center	Nancy E. Jolliffe	308.81
7	12	10	Wetzel	Center	Florine Huggins	56.00
8	16	32	Wetzel	Center	Gertrude Teagarden, et al.	4.80
9	12	0	Wetzel	Center	Nancy E. Jolliffe	44.77
10	12	8	Wetzel	Center	Nancy E. Jolliffe	28.25
11	16	30	Wetzel	Center	Gertrude Teagarden, et al.	4.80
12	11	10	Wetzel	Center	Howard M. Henderson	40.00
13	11	9	Wetzel	Center	Howard M. Henderson	10.10
14	8	43	Wetzel	Center	Howard M. Henderson	112.00
15	16	25	Wetzel	Center	Roger R. & Diana Postlethwait	10.95
16	16	10.1	Wetzel	Center	Ray & Cassandra Sloneking	5.72
17	10	12	Wetzel	Center	Thomas Jones, et al.	34.20
18	16	11	Wetzel	Center	Earl Null, et al.	20.00
19	16	33	Wetzel	Center	Anthony W. & Kimberly A. Sizemore	20.64
20	16	31	Wetzel	Center	Devona D. & Kelly M. Reed	18.25
21	16	28	Wetzel	Center	William J. Morris Revocable Trust	93.25
22	12	31	Wetzel	Center	John S. Starkey, et al.	22.50
23	16	6	Wetzel	Center	Marilyn E. Thomas	70.97
24	16	29	Wetzel	Center	Devona D. & Kelley M. Reed	20.25
25	10	47	Wetzel	Center	Mary V. Simpson	36.25
26	12	19.1	Wetzel	Center	Nancy E. Jolliffe	0.71
27	16	22	Wetzel	Center	Roger R. & Diana Postlethwait	40.00
28	16	44	Wetzel	Center	Paul E. & Cecelia M. Wendt	23.00
29	16	43	Wetzel	Center	Stephen W. Hill, et al.	22.00
30	16	26	Wetzel	Center	John K. Perahnger	12.00
31	16	78	Wetzel	Center	John K. Perahnger	5.00
32	16	27	Wetzel	Center	William J. Morris Revocable Trust	18.50
33	16	5	Wetzel	Center	Shaun D. & Tamra M. Kuhn	48.00
34	12	17	Wetzel	Center	Pancy O. Rice	67.50
35	16	2	Wetzel	Center	Trevor G. Hostuttler, et al.	21.50
36	16	1	Wetzel	Center	Steven P. & Brenda L. Sems	9.25
37	16	13.1	Wetzel	Center	Edward A. Glaser	15.59
38	15	27.1	Wetzel	Center	Harry & Marilyn Kennedy	81.31
39	15	26	Wetzel	Center	Thomas Moore, et al.	50.90
40	15	7	Wetzel	Center	Steven P. & James R. Barbe	90.00
41	15	7.1	Wetzel	Center	Steven P. & James R. Barbe	81.75
42	11	42	Wetzel	Center	Nicole J. & Ted J. Yowonske	125.40
43	11	41	Wetzel	Center	Nancy E. Jolliffe	47.07
44	11	27	Wetzel	Center	Nancy E. Jolliffe	47.50
45	16	5.1	Wetzel	Center	Nancy E. Jolliffe	3.00
46	11	25	Wetzel	Center	James B. & Margie L. Montgomery	15.00
47	11	24	Wetzel	Center	James B. & Margie L. Montgomery	47.10
48	16	21	Wetzel	Center	Glenda L. Adams, et al.	9.80
49	11	28	Wetzel	Center	Nancy E. Jolliffe	43.00
50	11	22	Wetzel	Center	Dean W. Miller	25.50
51	11	22.1	Wetzel	Center	Edith Miller Estate	104.50
52	11	23	Wetzel	Center	James B. & Margie L. Montgomery	40.00
53	11	8	Wetzel	Center	James B. & Margie L. Montgomery	52.00
54	11	6	Wetzel	Center	Ray S. & Timmy R. Sapp	90.50
55	11	40	Wetzel	Center	Edith Miller Estate	8.20
56	11	6.1	Wetzel	Center	Larry L. & Lois J. Deem	84.50
57	16	6.1	Wetzel	Center	Nancy E. Jolliffe	1.03
58	12	29	Wetzel	Center	Nancy E. Jolliffe	2.27
59	12	19.2	Wetzel	Center	Marilyn E. Thomas	1.23
60	12	16.4	Wetzel	Center	Marilyn E. Thomas	1.15
61	16	3	Wetzel	Center	Kimberly H. McDiffitt	0.50
62	16	4	Wetzel	Center	Nancy E. Jolliffe	1.20
63	16	1.1	Wetzel	Center	Mt. Zion Baptist Church	0.50
64	16	82	Wetzel	Center	Mt. Zion Baptist Church	0.49

Tract I.D.	Tax Map No.	Parcel No.	County	District	Surface Tract Owner	Acres
65	12	18.5	Wetzel	Center	Janis & Terry E. Fisher	0.15
66	12	19.3	Wetzel	Center	Janis Fisher	0.35
67	11	7	Wetzel	Center	Gilbert T. Peter, et al.	51.50
68	11	8.2	Wetzel	Center	Roger L. & Sandra K. Wilde	4.00
69	16	35	Wetzel	Center	Gregory A. & Adair L. Wood	20.17
70	16	35.1	Wetzel	Center	Gregory A. & Adair L. Wood	2.98
71	16	53	Wetzel	Center	Gregory A. & Adair L. Wood	43.80
72	16	52	Wetzel	Center	Kenneth R. & Jennifer L. Mason	14.00
73	12	28	Wetzel	Center	Roger R. & Diana F. Postlethwait	0.50
74	12	27	Wetzel	Center	Roger R. & Diana F. Postlethwait	0.50

Lease No.	Owner	Acres
870172	Anthony W. Sizemore and Kimberly A. Sizemore	20.64
870082	Kenneth R. Mason and Jennifer L. Mason, et al.	47.5
870080	Ann W. Clutter, et al.	240.98
870056	Robert Brosch and Margery Brosch	18.5
300729	Nancy Jolliffe, et al.	43
870206	Shaun & Tamra Kuhn, et al.	48
870206.22	Carl Hostuttler, et al.	2.99
1041329	Kimberly Hope McDiffitt, Remainderman & Ronnie D. Hostuttler, L/E	0.5
870151	Ronnie & Trevor Hostuttler	21.5
1046394	Nancy E. Jolliffe	13.5 & 28
870175	Acropolis, Inc., et al.	287
870223	Roger Stalnaker	128.38
870235	Nancy Jolliffe, et al.	68.75
300600	ET Blue Grass, et al.	274
870542	James & Margie Montgomery, et al.	102.10
870434	Green Dot Farm	103.5
870050	Michael Cullinan, et al.	195
870050.02	Green Dot Farm, Inc., et al.	125



**Sizemore**

Sizemore 17H  
Sizemore 15H  
Sizemore 13H  
Sizemore 11H  
Sizemore 9H  
Sizemore 7H  
Sizemore 5H  
Sizemore 3H  
Sizemore 1H

47-103-02580  
S 76°52'W  
N 16°55'48"E  
10' Typ

- Proposed Gas Well
- Located Corner, as noted
- Surface Tract Lines
- Reference Line
- Lease Boundary
- Creek or Drain
- WV County Route
- WV State Route



*I, the undersigned, hereby certify that this plat 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 Department of Environmental Protection.*

*Ben R. Singleton*  
P.S. 2092



SEAL

FILE NO: 208-19  
DRAWING NO: Sizemore 3H  
SCALE: 1" = 2000'  
MINIMUM DEGREE OF ACCURACY: 1:2500  
PROVEN SOURCE OF ELEVATION: NGS CORS Station

**STATE OF WEST VIRGINIA**  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
**OIL AND GAS DIVISION**

DATE: December 1 20 20  
OPERATOR'S WELL NO.: Sizemore 3H  
API WELL NO  
47 - 103 - 03345  
STATE COUNTY PERMIT

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
(IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW  
LOCATION: ELEVATION: 1148' WATERSHED Tributary of Sugar Run QUADRANGLE: Littleton  
DISTRICT: Center COUNTY: Wetzel  
SURFACE OWNER: Anthony W. & Kimberly A. Sizemore ACREAGE: 75.36  
ROYALTY OWNER: Anthony W. Sizemore LEASE NO: 870171 ACREAGE: 75.36  
PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY)  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: 7,318'

WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Joseph C. Mallow  
ADDRESS: 400 Woodcliff Drive ADDRESS: 115 Professional Place PO Box 280  
Canonsburg, PA 15317 Bridgeport, WV 26330



**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE  
Chapter 22, Article 6A, Section 5(a)(5)  
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

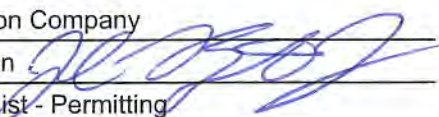
Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
See Attached				

**Acknowledgement of Possible Permitting/Approval  
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator: EQT Production Company  
 By: John Zavatchan   
 Its: Project Specialist - Permitting

Lease No.	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty
<b>870171</b>	<b><u>Anthony W. Sizemore</u></b>		"at least 1/8th per WV Code 22-6-8"
	James Sizemore and Donna Sizemore	Drilling Appalachian Corporation	OG 84A/516
	Drilling Appalachian Corporation	Grenadier Energy Partners, LLC	OG 124A/9 & 136A/538
	Drilling Appalachian Corporation	Statoil USA Onshore Properties Inc.	OG 138A/54
	Grenadier Energy Partners, LLC	Statoil USA Onshore Properties Inc.	OG 138A/1
	Statoil USA Onshore Properties Inc.	EQT Production Company	OG 175A/707
<b>870172</b>	<b><u>Anthony W. Sizemore and Kimberly A. Sizemore</u></b>		"at least 1/8th per WV Code 22-6-8"
	Anthony W. Sizemore and Kimberly A. Sizemore	Drilling Appalachian Corporation	OG 84A/645
	Drilling Appalachian Corporation	Grenadier Energy Partners, LLC	OG 124A/9 & 136A/538
	Drilling Appalachian Corporation	Statoil USA Onshore Properties Inc.	OG 138A/54
	Grenadier Energy Partners, LLC	Statoil USA Onshore Properties Inc.	OG 138A/1
	Statoil USA Onshore Properties Inc.	EQT Production Company	OG 175A/707
<b>870082</b>	<b><u>Kenneth R. Mason and Jennifer L. Mason, et al</u></b>		"at least 1/8th per WV Code 22-6-8"
	Kenneth R. Mason and Jennifer L. Mason	Drilling Appalachian Corporation	OG 85A/612
	Drilling Appalachian Corporation	Grenadier Energy Partners, LLC	OG 124A/9 & 136A/538
	Drilling Appalachian Corporation	Statoil USA Onshore Properties Inc.	OG 138A/54
	Grenadier Energy Partners, LLC	Statoil USA Onshore Properties Inc.	OG 138A/1
	Statoil USA Onshore Properties Inc.	EQT Production Company	OG 175A/707
<b>870080</b>	<b><u>Ann W. Clutter, et al</u></b>		"at least 1/8th per WV Code 22-6-8"
	Joseph M. Wells and Annale R. Wells	Drilling Appalachian Corporation	OG 87A/32
	Drilling Appalachian Corporation	Grenadier Energy Partners, LLC	OG 124A/9 & 136A/538
	Drilling Appalachian Corporation	Statoil USA Onshore Properties Inc.	OG 138A/54
	Grenadier Energy Partners, LLC	Statoil USA Onshore Properties Inc.	OG 138A/1
	Statoil USA Onshore Properties Inc.	EQT Production Company	OG 175A/707
<b>870056</b>	<b><u>Robert Brosch and Margery Brosch</u></b>		"at least 1/8th per WV Code 22-6-8"
	Robert P. Brosch and Margery Brosch	Drilling Appalachian Corporation	OG 102A/424
	Drilling Appalachian Corporation	Grenadier Energy Partners, LLC	OG 116A/878 & 135A/359
	Drilling Appalachian Corporation	Statoil USA Onshore Properties Inc.	OG 138A/54
	Grenadier Energy Partners, LLC	Statoil USA Onshore Properties Inc.	OG 138A/1
	Statoil USA Onshore Properties Inc.	EQT Production Company	OG 175A/707
<b>300729</b>	<b><u>Nancy Jolliffe, et al</u></b>		"at least 1/8th per WV Code 22-6-8"
	W. H. Lemley, et al	Hope Natural Gas Company	OG 8A/76
	Hope Natural Gas Company	Consolidated Gas Supply Corporation	DB 233/387
	Consolidated Gas Supply Corporation	Consolidated Gas Transmission Corporation	OG 66A/69
	Consolidated Gas Transmission Corporation	CNG Transmission Corporation	Corp. Book 13/151
	CNG Transmission Corporation	Eastern States Oil & Gas, Inc.	OG 76A/232
	Eastern States Oil & Gas, Inc.	Blazer Energy Corp.	Corp. Book 12/253
	Blazer Energy Corp.	Eastern States Oil & Gas, Inc.	Corp. Book 12/259
	Eastern States Oil & Gas, Inc.	Eastern States, Inc.	WV SOS
	Eastern States, Inc.	Equitable Production-Eastern States, Inc.	WV SOS
	Equitable Production-Eastern States, Inc.	Equitable Production Company	WV SOS
Equitable Production Company	EQT Production Company	Corp. Book 13/14	

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<b>870206</b>	<b><u>Shaun &amp; Tamra Kuhn, et al.</u></b> Shaun D. Kuhn and Tamra M. Kuhn Drilling Appalachian Corporation Drilling Appalachian Corporation Drilling Appalachian Corporation Grenadier Energy Partners, LLC Statoil USA Onshore Properties Inc.	Drilling Appalachian Corporation Grenadier Energy Partners, LLC Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 127A/741 OG 132A/594 & 136A/538 OG 138A/54 OG 138A/1 OG 175A/707
<b>1041329</b>	<b><u>Kimberly Hope McDiffitt, Remainderman &amp; Ronnie D. Hostuttler, L/E</u></b> Kimberly Hope McDiffitt, Rmndrmn & Ronnie D. Hostuttler, L/E	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 230A/131
<b>870151</b>	<b><u>Ronnie &amp; Trevor Hostuttler</u></b> Ronnie D. Hostuttler, L/E and Trevor Gene Hostuttler, Rmndrmn Drilling Appalachian Corporation Drilling Appalachian Corporation Drilling Appalachian Corporation Grenadier Energy Partners, LLC Statoil USA Onshore Properties Inc.	Drilling Appalachian Corporation Grenadier Energy Partners, LLC Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 103A/672 OG 106A/11 & OG 135A/344 OG 138A/54 OG 138A/1 OG 175A/707
<b>1046394</b>	<b><u>Nancy E. Jolliffe</u></b> Nancy E. Jolliffe, mar., dealing with her sole/sep. property	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 251A/105
<b>870175</b>	<b><u>Acropolis, Inc., et al.</u></b> Acropolis, Inc. Drilling Appalachian Corporation Drilling Appalachian Corporation Drilling Appalachian Corporation Grenadier Energy Partners, LLC Statoil USA Onshore Properties Inc.	Drilling Appalachian Corporation Grenadier Energy Partners, LLC Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 102A/751 OG 124A/9 & 136A/538 OG 138A/54 OG 138A/1 OG 175A/707
<b>870223</b>	<b><u>Roger Stalnaker</u></b> Roger M. Stalnaker and Louella Stalnaker, h/w Atlas America, Inc. Grenadier Energy Partners, LLC Drilling Appalachian Corporation Drilling Appalachian Corporation Grenadier Energy Partners, LLC Statoil USA Onshore Properties Inc.	Atlas America, Inc. Grenadier Energy Partners, LLC Drilling Appalachian Corporation Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 89A/392 OG 107A/269 OG 109A/229 OG 138A/54 OG 138A/1 OG 175A/707
<b>870235</b>	<b><u>Nancy Jolliffe, et al</u></b> Joe B. Jolliffe Drilling Appalachian Corporation Drilling Appalachian Corporation Drilling Appalachian Corporation Grenadier Energy Partners, LLC Statoil USA Onshore Properties Inc.	Drilling Appalachian Corporation Grenadier Energy Partners, LLC Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 106A/938 OG 108A/762 & 135A/347 OG 138A/54 OG 138A/1 OG 175A/707
<b>870542</b>	<b><u>James &amp; Margie Montgomery, et al.</u></b> James B. Montgomery and Margie L. Montgomery, h/w	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 240A/592
<b>870434</b>	<b><u>Green Dot Farm</u></b> Green Dot Farm, Inc. Drilling Appalachian Corporation Drilling Appalachian Corporation Drilling Appalachian Corporation Grenadier Energy Partners, LLC Statoil USA Onshore Properties Inc.	Drilling Appalachian Corporation Grenadier Energy Partners, LLC Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 101A/781 OG 103A/88 & 135A/350 OG 138A/54 OG 138A/1 OG 175A/707

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<b>870050</b>	<b>Michael Cullinan, et al.</b> Michael Joseph Cullinan, a married man dealing in his sole and separate property	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 251A/771
<b>300600</b>	<b>ET Blue Grass, et al.</b> Peter Glover and Elizabeth Glover, h/w  South Penn Oil Company Hope Natural Gas Company Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation CNG Transmission Corporation Eastern States Oil & Gas, Inc. Blazer Energy Corp. Eastern States Oil & Gas, Inc. Eastern States, Inc. Equitable Production-Eastern States, Inc. Equitable Production Company	South Penn Oil Company Hope Natural Gas Company Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation CNG Transmission Corporation Eastern States Oil & Gas, Inc. Blazer Energy Corp. Eastern States Oil & Gas, Inc. Eastern States, Inc. Equitable Production-Eastern States, Inc. Equitable Production Company EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 39/524  Unrecorded agreement dated 4/20/1899 DB 233/387 OG 66A/69 Corp. Book 13/151 OG 76A/232 Corp. Book 12/253 Corp. Book 12/259 WV SOS WV SOS WV SOS Corp. Book 13/14
<b>870206.22</b>	<b>Carl Hostuttler, et al.</b> Carl Junior Hostuttler, a widower Drilling Appalachian Corporation Drilling Appalachian Corporation Grenadier Energy Partners, LLC Statoil USA Onshore Properties Inc	Drilling Appalachian Corporation Grenadier Energy Partners, LLC Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 103A/722 OG 106A/11 & 135A/344 OG 138A/54 OG 138A/1 OG 175A/707
<b>870050.02</b>	<b>Green Dot Farm, Inc., et al.</b> E. E. Moore, widower, and Patrick Clark and Ellen Clark, his wife The Manufacturers Light & Heat Company Tenneco Oil Company TOC-Mid-Continent Inc. MESA Operating Company Pioneer Natural Resources USA, Inc. Grenadier Energy Partners, LLC Drilling Appalachian Corporation Grenadier Energy Partners, LLC Statoil USA Onshore Properties Inc.	The Manufacturers Light & Heat Company Tenneco Oil Company TOC-Mid-Continent Inc. Mesa Midcontinent Limited Partnership Pioneer Natural Resources USA, Inc. Grenadier Energy Partners, LLC Drilling Appalachian Corporation Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 15A/244 OG 50A/156 & 51A/293 DB 321/323 DB 321/351 WV SOS OG 128A/238 OG 129A/87 OG 138A/54 OG 138A/1 OG 175A/707

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103-03345 MOD



EQT PRODUCTION COMPANY  
400 Woodcliff Drive | Canonsburg, PA 15317  
P: 724-746-9073 | [www.eqt.com](http://www.eqt.com)

\*Check plot coordinates 12/15

December 3, 2020

Via FedEx Overnight

West Virginia Department of Environmental Protection  
Office of Oil and Gas  
601 57<sup>th</sup> Street, S.E.  
Charleston, WV 25304

RE: Well Work Permit Modification Application  
Sizemore 3H Well  
Permit Number 47-103-03345-00-00  
Center District  
Wetzel County, WV

WVDEP Recipient,

Attached please find following information to modify the existing Well Work Permit for this well:

- Completed Form WW-6B and supporting documents, approved by the Oil and Gas Inspector
- Revised Well Bore Diagram
- Site Specific Safety and Environmental Plan approved by the Inspector - Q - to revision
- Water Management Plan - sent to Q and Laura/Jason
- Well Location Plat
- Completed Form WW-6A1 and supporting documentation

EQT is proposing to extend the lateral from the previously permitted length, updating the Site-Specific Safety and Environmental Plan for this site, and revise the Water Management Plan to add additional sources.

EQT Production trusts that if any portion of the submitted documentation is found to be inadequate for processing the permit, notification will be made to our Permitting department at your earliest convenience. It is EQT Production's intent to cooperate fully to provide any additional requested documentation and clarification in a timely manner such that permitting proceeds in a predictable and logical manner.

Best Regards,

John Zavatchan  
Project Specialist – Permitting  
[jzavatchan@eqt.com](mailto:jzavatchan@eqt.com)  
724-746-9073

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