



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

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Friday, February 5, 2021
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

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

Re: Permit Modification Approval for SIZEMORE 5H
47-103-03346-00-00

Extend Lateral. Original Permitted Length 11896' to 22512'. Updated Casing Plan and Leases.

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".

James A. Martin
Chief

Operator's Well Number: SIZEMORE 5H
Farm Name: ANTHONY W. & KIMBERLY A. SIZEMORE
U.S. WELL NUMBER: 47-103-03346-00-00
Horizontal 6A New Drill
Date Modification Issued: 02/05/2021

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: 5H 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

DMDH 10/7/20

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Marcellus, 7325', 50', 2,620 psi

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8) Proposed Total Vertical Depth: 7,325'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 22,512'

11) Proposed Horizontal Leg Length: 14,215'

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: _____

18)

CASING AND TUBING PROGRAM

TYPE	<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	1156	1156	1095 ft^3 / CTS
Coal							
Intermediate	9 5/8	New	P-110	40	2466	2466	971 ft^3 / CTS
Production	5 1/2	New	P-110	20	22512	22512	500' above intermediate casing
Tubing							
Liners							

DWH 10/7/20

TYPE	<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							

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PACKERS

Kind:				
Sizes:				
Depths Set:				

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.

DMAH 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:

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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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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.

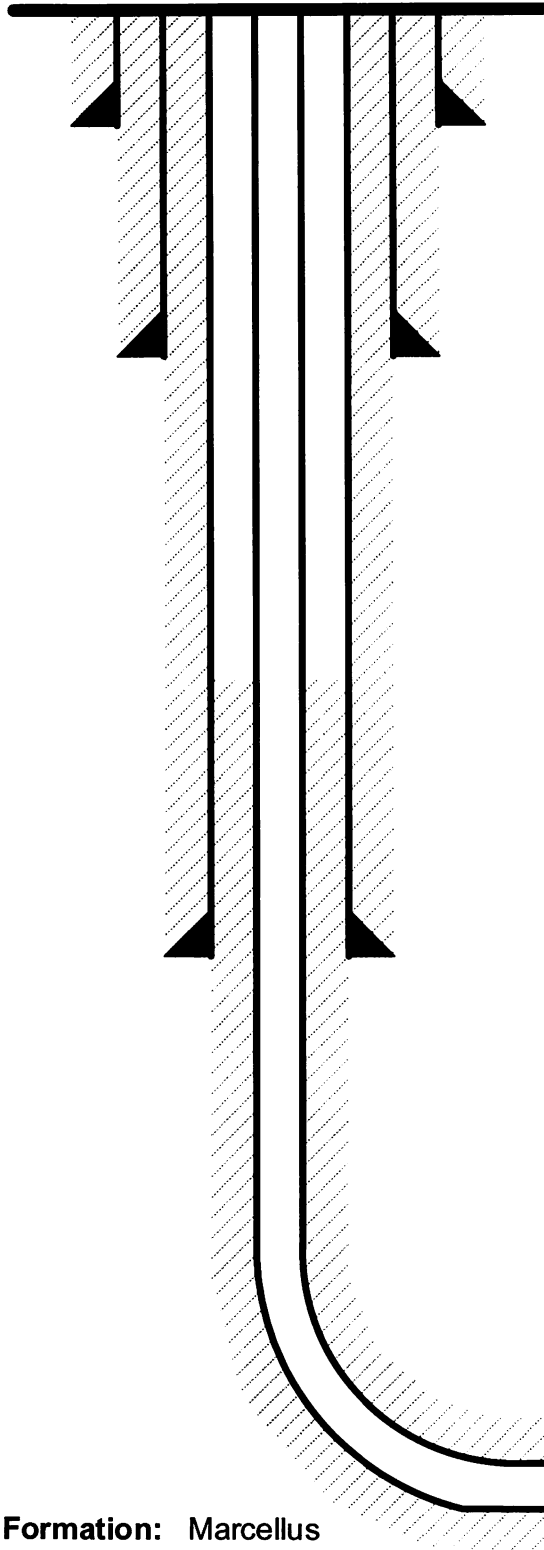
EQT Production

Wellbore Diagram

Well: Sizemore 5H
Pad: Sizemore
Elevation: 1148' GL 1161' KB

County: Wetzel
State: West Virginia

4710303346



Conductor @ 40'

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

Surface @ 1,156'

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

Intermediate @ 2,466'

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

Production @ 22,512' MD / 7,325' TVD

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

Formation: Marcellus

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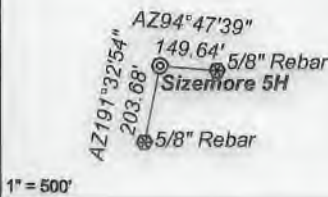
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DMAH 10/17/20

NOT TO SCALE

**Sizemore 5H
LIT51
EQT Production Company**

Well References

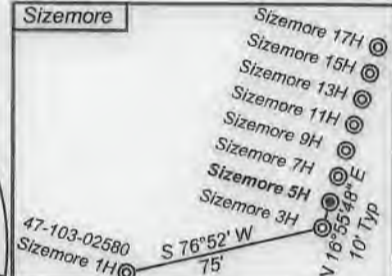
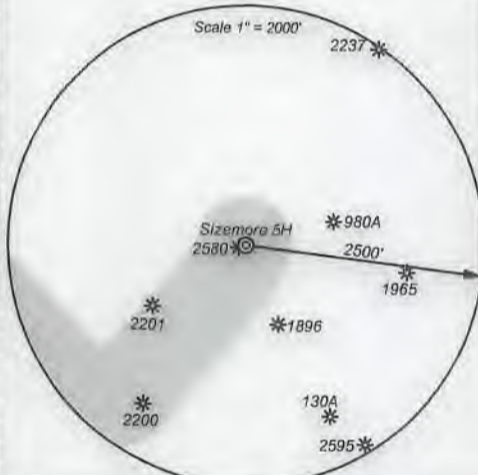


Notes:
Sizemore 5H coordinates are
NAD 27 N: 418,959.33 E: 1,710,207.25
NAD 27 Lat: 39.645728 Long: -80.529130
NAD 83 UTM N: 4,388,552.94 E: 540,416.88
Sizemore 5H Landing Point coordinates are
NAD 27 N: 417,591.03 E: 1,708,284.36
NAD 27 Lat: 39.641911 Long: -80.535902
NAD 83 UTM N: 4,388,126.27 E: 539,837.98
Sizemore 5H Bottom Hole coordinates are
NAD 27 N: 427,642.55 E: 1,698,232.84
NAD 27 Lat: 39.669182 Long: -80.572018
NAD 83 UTM N: 4,391,137.37 E: 536,724.60
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	8	Wetzel	Center	Anthony Sizemore	75.36
2	16	8	Wetzel	Center	Larry D. Roberts	44.50
3	16	6	Wetzel	Center	Marilyn E. Thomas	70.67
4	12	16	Wetzel	Center	Nancy E. Jolliffe	172.10
5	12	18	Wetzel	Center	Homer L. Patricia J. Hostutler	3.46
6	12	16	Wetzel	Center	Nancy E. Jolliffe	308.61
7	12	10	Wetzel	Center	Florine Huggins	58.00
8	16	32	Wetzel	Center	Gertrude Teagarden, et al.	4.50
9	12	9	Wetzel	Center	Nancy E. Jolliffe	44.77
10	12	6	Wetzel	Center	Nancy E. Jolliffe	38.25
11	16	30	Wetzel	Center	Gertrude Teagarden, et al.	4.00
12	11	10	Wetzel	Center	Howard M. Henderson	49.00
13	11	9	Wetzel	Center	Howard M. Henderson	10.10
14	8	43	Wetzel	Center	Howard M. Henderson	112.00
15	12	9.1	Wetzel	Center	Jefferson Little, et al.	2.03
16	16	10.1	Wetzel	Center	Ray & Cassandra Stoneking	5.72
17	16	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	30.84
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. Stenkey, et al.	22.50
23	16	6	Wetzel	Center	Marilyn E. Thomas	70.97
24	16	29	Wetzel	Center	Devona D. & Kelley M. Reed	29.25
25	16	47	Wetzel	Center	Mary V. Simpson	38.25
26	12	19.1	Wetzel	Center	Nancy E. Jolliffe	0.71
27	11	11	Wetzel	Center	Nancy E. Jolliffe	59.75
28	16	44	Wetzel	Center	Paul E. & Cecilia M. Wendt	23.00
29	16	43	Wetzel	Center	Stephen W. Hill, et al.	22.00
30	16	29	Wetzel	Center	John K. Persinger	12.00
31	16	78	Wetzel	Center	John K. Persinger	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	Parzy O. Rice	67.50
35	16	2	Wetzel	Center	Trevor G. Hostutler, et al.	21.50
36	16	1	Wetzel	Center	Sleyan P. & Brenda L. Sams	9.25
37	16	13.1	Wetzel	Center	Edward A. Glass	15.50
38	16	27.1	Wetzel	Center	Harry & Marilyn Kennedy	61.31
39	16	26	Wetzel	Center	Thomas Moore, et al.	50.00
40	15	7	Wetzel	Center	Steven P. & James R. Barbe	99.00
41	15	7.1	Wetzel	Center	Steven P. & James R. Barbe	81.75
42	11	42	Wetzel	Center	Nicole J. & Ted J. Yowonske	128.40
43	11	41	Wetzel	Center	Nancy E. Jolliffe	47.07
44	11	27	Wetzel	Center	Nancy E. Jolliffe	47.50
45	10	5.1	Wetzel	Center	Nancy E. Jolliffe	3.00
46	11	25	Wetzel	Center	James B. & Margie L. Montgomery	15.00
47	8	54	Wetzel	Center	Howard M. Henderson	19.90
48	8	47	Wetzel	Center	Howard M. Henderson	14.75
49	11	20	Wetzel	Center	Nancy E. Jolliffe	43.00
50	8	55	Wetzel	Center	Ashley Murphy, et al.	9.43
51	8	44	Wetzel	Center	William D. Henderson	65.00
52	11	23	Wetzel	Center	James B. & Margie L. Montgomery	40.00
53	11	6	Wetzel	Center	James B. & Margie L. Montgomery	52.00
54	11	6	Wetzel	Center	Ray S. & Timmy R. Stapp	90.50
55	8	29	Wetzel	Center	Howard M. & William D. Henderson	57.00
56	11	6.1	Wetzel	Center	Larry L. & Lois J. Doen	94.50
57	16	8.1	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	8	42	Wetzel	Center	Jeffrey P. & Howard M. Henderson	67.00
61	16	3	Wetzel	Center	Kimberly H. McDiritt	0.50
62	16	4	Wetzel	Center	Nancy E. Jolliffe	1.20
63	10	1.1	Wetzel	Center	Mt. Zion Baptist Church	0.80
64	16	82	Wetzel	Center	Mt. Zion Baptist Church	0.40

Tract I.D.	Tax Map No.	Parcel No.	County	District	Surface Tract Owner	Acres
65	12	19.5	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	6.2	Wetzel	Center	Roger L. & Sandra K. Wade	4.00
69	10	35	Wetzel	Center	Gregory A. & Adair L. Wood	20.17
70	16	35.1	Wetzel	Center	Gregory A. & Adair L. Wood	2.68
71	16	53	Wetzel	Center	Gregory A. & Adair L. Wood	43.80
72	12	28	Wetzel	Center	Roger R. & Diana F. Postlethwait	0.30
73	12	27	Wetzel	Center	Roger R. & Diana F. Postlethwait	0.59

Lease No.	Owner	Acres
870172	Anthony W. Sizemore & Kimberly A. Sizemore	20.64
870082	Kenneth & Jennifer Mason, et al.	47.5
870080	Ann W. Clutter, et al.	240.98
870173	Larry & Sharon Roberts	48.9
300729	Nancy Jolliffe, et al.	43
1046343	Nancy E. Jolliffe, et al.	21.75
1046193	Nancy E. Jolliffe	2.3
1046394	Nancy E. Jolliffe	13.5 & 28
870419	Donald L. White and Linda L. White, et al.	21.28
870175	Acropolis, Inc., et al.	287
300600	ET Blue Grass, et al.	274
870426	Howard Henderson, et al.	49
870434	Green Dot Farm	103.5
870370	Green Dot Farm, Inc., et al.	111

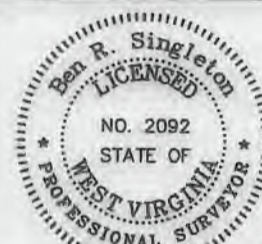


Legend:
 ● Proposed Gas Well
 ● Located Corner, as noted
 — Surface Tract Lines
 — Reference Line
 — Lease Boundary
 — Creek or Drain
 (S) WV County Route
 (S) WV State Route



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 5H
 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 22 20 20
 OPERATOR'S WELL NO.: Sizemore 5H
 API WELL NO
 47 - 103 - 03346
 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: 7,325'

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

WW-6A1
(5/13)

Operator's Well No. Sizemore 5H

**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

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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	Book/Page
<u>870171</u>	<u>Anthony W. Sizemore</u> James Sizemore and Donna Sizemore 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 84A-516 OG 124A/9 & 136A/538 OG 138A/54 OG 138A/1 OG 175A/707
<u>870172</u>	<u>Anthony W. Sizemore and Kimberly A. Sizemore</u> Anthony W. Sizemore and Kimberly A. Sizemore 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 84A/645 OG 124A/9 & 136A/538 OG 138A/54 OG 138A/1 OG 175A/707
<u>870082</u>	<u>Kenneth & Jennifer Mason, et al.</u> Kenneth R. Mason and Jennifer L. Mason 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 85A/612 OG 124A/9 & 136A/538 OG 138A/54 OG 138A/1 OG 175A/707

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Ann W. Clutter, et al

"at least 1/8th per
WV Code 22-6-8"

Joseph M. Wells and Annale R. Wells
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

OG 87A/32
OG 124A/9 & 136A/538
OG 138A/54
OG 138A/1
OG 175A/707

870173

Larry & Sharon Roberts

"at least 1/8th per
WV Code 22-6-8"

Larry Roberts and Sharon K. Roberts, h/w
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

OG 90A/190
OG 124A/9 & 136A/538
OG 138A/54
OG 138A/1
OG 175A/707

300729

Nancy Jolliffe, et al

"at least 1/8th per
WV Code 22-6-8"

W. H. Lemley, et al
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

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

OG 8A/76
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

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<u>1046343</u>	<u>Nancy E. Jolliffe, et al.</u>		"at least 1/8th per WV Code 22-6-8"
	Nancy E. Jolliffe, mar., dealing with her sole/sep. property	EQT Production Company	OG 250A/881
<u>1046193</u>	<u>Nancy E. Jolliffe</u>		"at least 1/8th per WV Code 22-6-8"
	Nancy E. Jolliffe, mar., dealing with her sole/sep. property	EQT Production Company	OG 249A/353
<u>1046394</u>	<u>Nancy E. Jolliffe</u>		"at least 1/8th per WV Code 22-6-8"
	Nancy E. Jolliffe, mar., dealing with her sole/sep. property	EQT Production Company	OG 251A/105
<u>870175</u>	<u>Acropolis, Inc., et al</u>		"at least 1/8th per WV Code 22-6-8"
	Acropolis, Inc.	Drilling Appalachian Corporation	OG 102A/751
	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
<u>870419</u>	<u>Donald L. White and Linda L. White, et al.</u>		"at least 1/8th per WV Code 22-6-8"
	Donald L. White and Linda L. White, husband and wife	EQT Production Company	OG 252A/684

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ET Blue Grass, et al

"at least 1/8th per
WV Code 22-6-8"

Peter Glover and Elizabeth Glover, h/w	South Penn Oil Company	OG 39/524
South Penn Oil Company	Hope Natural Gas Company	Unrecorded agreement dated 4/20/1899
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

870426

Howard Henderson, et al

"at least 1/8th per
WV Code 22-6-8"

Maxine Henderson	Drilling Appalachian Corporation	OG 101A/954
Drilling Appalachian Corporation	Grenadier Energy Partners, LLC	OG 103A/88 & 135A/350
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

870434

Green Dot Farm

"at least 1/8th per
WV Code 22-6-8"

Green Dot Farm, Inc.	Drilling Appalachian Corporation	OG 101A/781
Drilling Appalachian Corporation	Grenadier Energy Partners, LLC	OG 103A/88 & 135A/350
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

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Green Dot Farm, Inc. , et al

"at least 1/8th per
WV Code 22-6-8"

Green Dot Farm, Inc.
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

OG 85A/376
OG 124A/9 & 136A/538
OG 138A/54
OG 138A/1
OG 175A/707

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Environmental Protection

4710303346

Permit Modification

Received date: 12/28/20

Well Name: 5H

Operator: CDT

API: 103-03346

Pad Name: Sizemore

	MODIFIED PERMIT	ORIGINAL PERMIT	
TVD	7325 -	7335	X
TMD	22512	11896	E
HL	14215 ✓	3599	S
FW	Same	176,682,717	
SW	Same	1859	
COAL	Same	531,761,891	
CONDUCTOR	40	40	
FRESHWATER	* 1156 <i>Already drilled</i>	1041	
INTERMEDIATE 1	2466	2463	
INTERMEDIATE 2	—	—	
PRODUCTION	22516	11896	E

Notes: FW casing has changed

✓ 870171	✓ 1046394	
✓ 870172	✓ 870419	<i>Need updated APR * close it down the row</i>
✓ 870082	✓ 870175	
✓ 870080	✓ 300600	
✓ 300729	✓ 870426	
✓ 1046343	✓ 870434	
✓ 1046193	✓ 870370	



EQT PRODUCTION COMPANY
400 Woodcliff Drive | Canonsburg, PA 15317
P: 724-746-9073 | www.eqt.com

December 23, 2020

Via FedEx Overnight

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

RE: Well Work Permit Modification Application
Sizemore 5H Well
Permit Number 47-103-03346-00-00
Center District
Wetzel County, WV

RECEIVED
Office of Oil and Gas

DEC 28 2020

WV Department of
Environmental Protection

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
- Well Location Plat
- Completed Form WW-6A1 and supporting documentation

EQT is proposing to extend the lateral from the previously permitted length.

This well was included on the modification to the Site-Specific Safety and Environmental Plan and Water Management Plan which were submitted to WVDEP for the 5H and 17H wells on this pad (submitted December 3rd, 2020). This information has been approved by WVDEP for all wells on the pad. Please let me know if copies of the Water Management Plan application or Site-Specific Safety and Environmental Plan are required.

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
724-746-9073