



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

Wednesday, February 24, 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 13H
47-103-03350-00-00

Extended Lateral Length

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 13H
Farm Name: ANTHONY W. & KIMBERLY A. SIZEMORE
U.S. WELL NUMBER: 47-103-03350-00-00
Horizontal 6A New Drill
Date Modification Issued: 2/24/2021

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: 13H 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 X Oil _____ Underground Storage _____

Other _____

(b) If Gas Shallow X Deep _____

Horizontal X

6) Existing Pad: Yes or No Yes *DMH 12/21/20*

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Marcellus, 7,379', 50', 2,620 psi

8) Proposed Total Vertical Depth: 7,379'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 22,669'

11) Proposed Horizontal Leg Length: 14,600'

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 X

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

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Environmental Protection

18)

CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	26	New	A-500	85.6	40	40	101 ft ³ / CTS
Fresh Water	13 3/8	New	J-55	54.5	1160	1160	1095 ft ³ / CTS
Coal							
Intermediate	9 5/8	New	P-110	40	2490	2490	983 ft ³ / CTS
Production	5 1/2	New	P-110	20	22669	22669	500' above Intermediate casing
Tubing							
Liners							

DMH 12/21/20

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
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 _F	1.13
Coal							
Intermediate	9 5/8	12 3/8	0.395	7900	6320	Class A _F	1.18
Production	5 1/2	8 1/2	0.361	14360	11488	Class A/H	1.04 - 2.098
Tubing							
Liners							

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.

DMH 12/21/20

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

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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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.

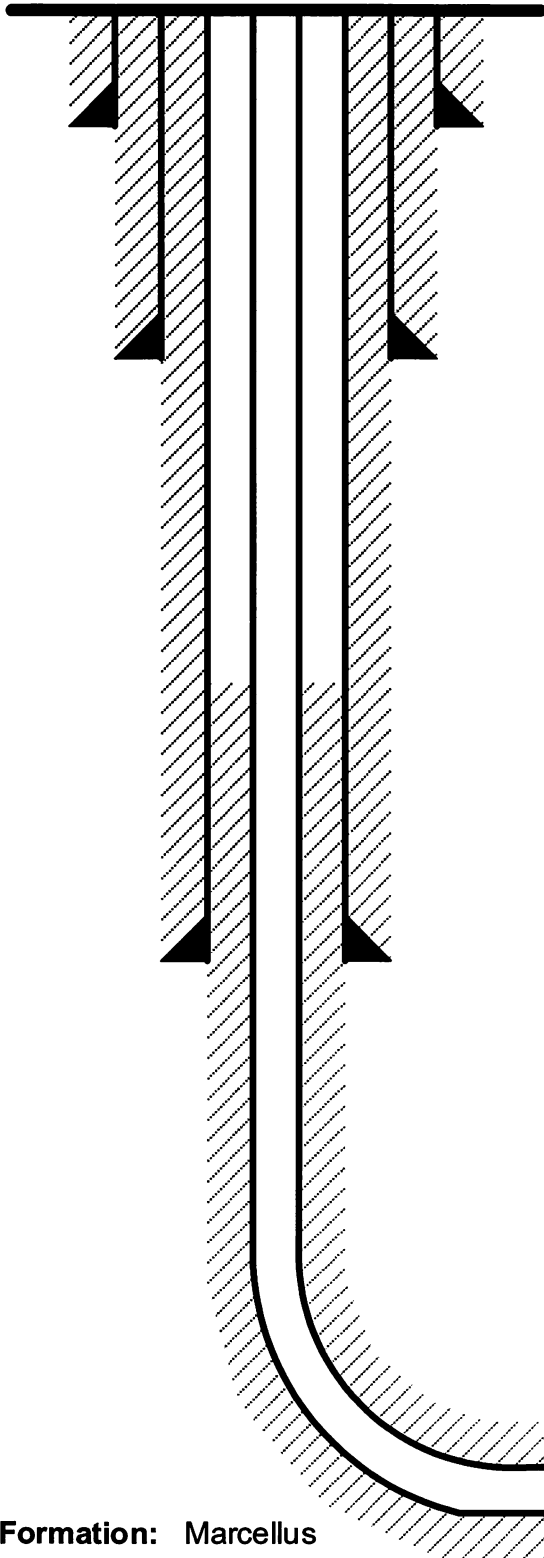
*Note: Attach additional sheets as needed.

EQT Production

Wellbore Diagram

Well: Sizemore 13H
 Pad: Sizemore
 Elevation: 1148' GL 1179' KB

County: Wetzel
 State: West Virginia



Conductor @ 40'

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

Surface @ 1,160'

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

Intermediate @ 2,490'

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

Production @ 22,669' MD / 7,379' TVD

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

Formation: Marcellus

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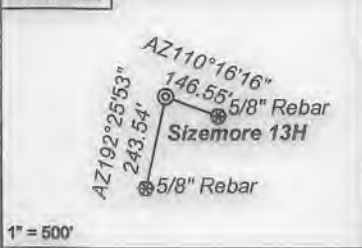
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 Environmental Protection

DMH 12/21/20

**Sizemore 13H
LIT51
EQT Production Company**

Well References



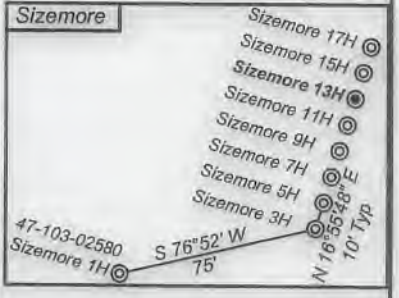
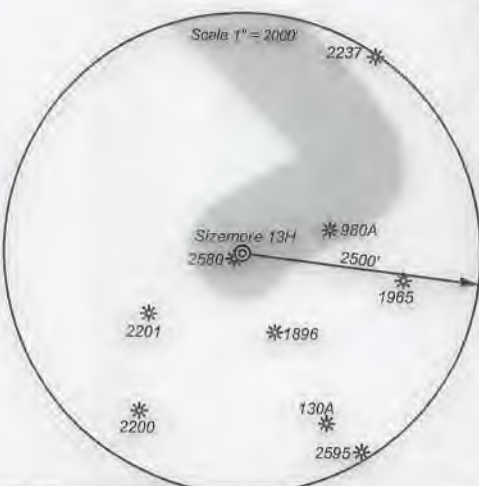
Notes:

Sizemore 13H coordinates are
 NAD 27 N: 418,997.60 E: 1,710,218.90
 NAD 27 Lat: 39.645834 Long: -80.529090
 NAD 83 UTM N: 4,388,564.66 E: 540,420.23
 Sizemore 13H Landing Point coordinates are
 NAD 27 N: 420,419.36 E: 1,711,112.60
 NAD 27 Lat: 39.649765 Long: -80.525975
 NAD 83 UTM N: 4,389,002.37 E: 540,685.30
 Sizemore 13H Bottom Hole coordinates are
 NAD 27 N: 430,683.71 E: 1,700,848.23
 NAD 27 Lat: 39.677616 Long: -80.562856
 NAD 83 UTM N: 4,392,077.22 E: 537,505.99
 West Virginia Coordinate system of 1927 (North Zone) based upon Differential GPS Measurements.
 Plat orientation, corner and well lies 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	18	9	Wetzel	Center	Anthony Sizemore	75.36
2	18	8	Wetzel	Center	Larry D. Roberts	44.50
3	9	11	Wetzel	Church	Ernest P. A. Richard Bisher	19.76
4	12	19	Wetzel	Center	Nancy E. Jolliffe	172.10
5	11	12	Wetzel	Church	Terrance J. & Terri L. O'Brien	61.00
6	18	37	Wetzel	Center	Russell J. Skum	30.00
7	18	10	Wetzel	Center	Galvin C. & Carol Cecil	3.19
8	12	22.3	Wetzel	Center	EQT Production Company	6.76
9	12	22	Wetzel	Center	Reda M. Amos, et al.	14.77
10	9	10	Wetzel	Church	William L. Mieger	21.00
11	12	25	Wetzel	Center	Reda M. Amos, et al.	59.30
12	18	10.1	Wetzel	Center	Ray & Cassandra Stenaling	6.72
13	18	12	Wetzel	Center	Thomas Jones, et al.	34.20
14	10	11	Wetzel	Center	Earl Nuff, et al.	20.00
15	16	33	Wetzel	Center	Anthony W. & Kimberly A. Sizemore	20.64
16	18	31	Wetzel	Center	Devona D. & Kelly M. Reed	18.25
17	16	26	Wetzel	Center	William J. Morris Revocable Trust	63.26
18	19	31	Wetzel	Center	John S. Stucky, et al.	72.50
19	9	8	Wetzel	Church	Mark Ramson	43.30
20	9	8.1	Wetzel	Church	Samon A. & Flora J. Burley	19.00
21	12	42	Wetzel	Center	Garelyn Coars-Aarot	1.68
22	12	25	Wetzel	Center	Glean & Trina Holbassah	0.33
23	12a	5	Wetzel	Center	Kayin R. Milliken, et al.	1.68
24	12	21	Wetzel	Center	Jamie L. & Melissa G. Dent	75.30
25	12	168.8	Wetzel	Center	EQT Production Company	1.70
26	12	24	Wetzel	Center	Matthew L. Kenosky	87.87
27	9	29	Wetzel	Clay	April L. & Gerard B. Noys	7.47
28	12	15	Wetzel	Center	Reda M. Amos, et al.	33.00
29	9	21	Wetzel	Clay	Pamela E. Price	35.76
30	12a	4	Wetzel	Center	Kevin R. Milliken, et al.	1.04
31	12a	6	Wetzel	Center	Robert K. Terrent	0.57
31	12a	7	Wetzel	Center	Robert K. Terrent	0.57
31	12a	8	Wetzel	Center	Robert K. Terrent	0.33
32	12a	2	Wetzel	Center	Robert K. Terrent	1.37
32	12a	3	Wetzel	Center	Robert K. Terrent	1.37
32	12a	1	Wetzel	Center	Scott A. & Alejand D. Terrent	1.37
34	12a	10	Wetzel	Center	Scott A. & Alejand D. Terrent	2.24
35	12a	3	Wetzel	Center	Matthew L. Kenosky	0.77
36	12	44	Wetzel	Center	Scott A. & Alejand D. Terrent	1.40
37	9	33	Wetzel	Clay	Pamela E. Price	17.07
38	12	17	Wetzel	Center	Panzy O. Rice	67.50
39	12	11.1	Wetzel	Center	Timothy C. White, Jr.	8.32
40	12	11.2	Wetzel	Center	Lornie R. & Judith Anderson	5.00
41	12	11	Wetzel	Center	Lornie R. & Judith Anderson	70.63
42	12	12.3	Wetzel	Clay	Steven A. & Melissa L. White	1.45
43	12	12.2	Wetzel	Clay	Zachary White	3.01
44	12	12.5	Wetzel	Center	Kathy Mason	0.42
45	12	12.4	Wetzel	Center	Kathy Mason	0.97
45	12	12	Wetzel	Clay	Nancy E. Jolliffe	41.25
54	12	14	Wetzel	Clay	Reda M. Amos, et al.	23.54
48	12	11.2	Wetzel	Center	John Joseph	9.35
49	12	7	Wetzel	Center	George H. & Elizabeth Williams	61.78
50	5	17	Wetzel	Clay	Genevieve Booth	64.50
51	12	12.1	Wetzel	Center	Panzy O. Rice	2.00
52	12	10	Wetzel	Center	Florine Huggins	56.00
53	12	5	Wetzel	Center	Florine Huggins	35.80
54	12	6	Wetzel	Center	Kenneth C. & Rebecca A. Shreve	35.75
55	6	24	Wetzel	Clay	Kenneth L. Shreve, et al.	100.00
56	6	10	Wetzel	Clay	George H. & Elizabeth Williams	132.75
57	6	24	Wetzel	Clay	Kenneth L. Shreve, et al.	100.00
58	6	26.1	Wetzel	Clay	Brian K. & Anne M. Watson	5.04
59	12	4	Wetzel	Center	Florine Huggins	35.00
60	12	3	Wetzel	Center	Nancy E. Jolliffe	26.60
61	12	2	Wetzel	Center	Nancy E. Jolliffe	44.50
62	9	26	Wetzel	Clay	Ernest J. & Nancy L. Watson	69.67
63	9	3	Wetzel	Clay	Ernest J. & Nancy L. Watson	22.40
64	9	25	Wetzel	Clay	Michael L. & Allison G. Koontz	77.75
65	9	3	Wetzel	Clay	Robin D. Murphy, et al.	47.25
66	6	31	Wetzel	Clay	Charles & Carol Kamech	71.80
67	9	35	Wetzel	Center	Ashley Murphy, et al.	37.81

Tract I.D.	Tax Map No.	Parcel No.	County	District	Surface Tract Owner	Acres
68	6	1	Wetzel	Clay	Charles G. & Carol J. Kamech	95.70
69	6	54	Wetzel	Center	Howard M. Henderson	19.00
70	6	32	Wetzel	Clay	Howard M. Henderson	10.41
71	6	31	Wetzel	Clay	Howard M. Henderson	8.20
72	5	58	Wetzel	Clay	Charles & Carol Kamech	81.76
73	6	59	Wetzel	Center	Robin D. Murphy, et al.	47.25
74	6	53	Wetzel	Center	Ashley Murphy, et al.	20.36
75	6	31	Wetzel	Center	Howard M. Henderson	64.76
76	12	24.3	Wetzel	Clay	Matthew L. Kennedy	4.61

Lease No.	Owner	Acres
870184	Mildred Bright, et al.	54.2
870085	Charles Lee Roberts, et al.	95.87
870090	Lloyd & Nancy Postlethwait, et al.	140
870452	Nancy E. Jolliffe	43.05
870533	Five Star Resources	3.01
870535	Kathy D. Mace	0.87
870216.02	Timothy I. Anderson, et al.	9.35
870216	Howard Henderson, et al.	92.4
870894	Ralph & Betty Six, et al.	62.5
870206	Kathryn W. Kallenberg	81.74
870243	Mark A. Shreve, et al.	100
870246	Brian Keith Watson, et al.	5.04
870248	Evelyn Florine Huggins, et al.	91.13
870249	Rt 2016 Minerals I, LLC	89.07
870256	Stone Hill Mineral Holdings, LLC	37.157
870160	Green Dot Farm, Inc.	167.5
870431	Kenneth W. Gumm, et al.	52
1047482	Allen Thompson Staggers, et al.	63
1041507	Howard Henderson	100.7975

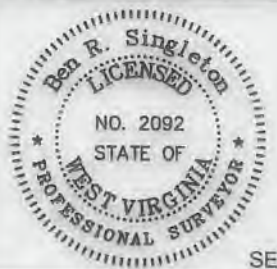


- ⊙ Proposed Gas Well
- Located Corner, as noted
- Surface Tract Lines
- Reference Line
- Lease Boundary
- Creek or Drain
- Ⓢ WV County Route
- Ⓜ WV State Route



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



FILE NO: 208-19
 DRAWING NO: Sizemore 13H
 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: February 10 20 21
 OPERATOR'S WELL NO.: Sizemore 13H
 API WELL NO. MOD
 47 - 103 - 03350
 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: 7,379'

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

TH: 8192' LAT: 39-40-00

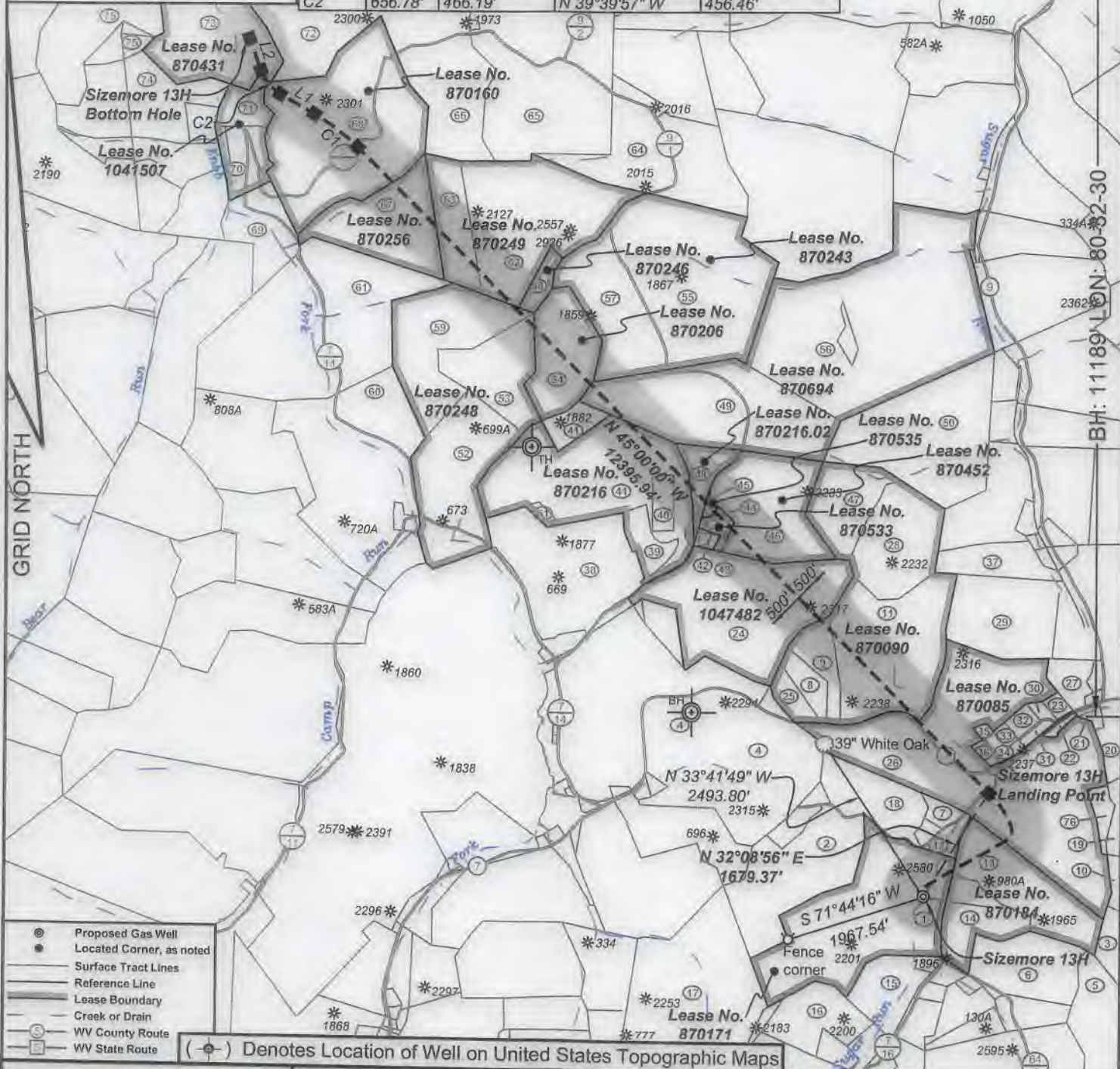
BH: 5964' LAT: 39-42-30

Sizemore 13H
LIT51

EQT Production Company

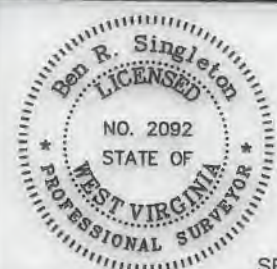
LINE	BEARING	DISTANCE
L1	N 60° W	521.25'
L2	N 19°19'53" W	444.82'

CURVE	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
C1	2940.94'	769.93'	N 52°30' W	767.74'
C2	656.78'	466.19'	N 39°39'57" W	456.46'



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 B. Singleton
P.S. 2092



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PROVEN SOURCE OF ELEVATION: NGS CORS Station



DATE: February 10 20 21
OPERATOR'S WELL NO.: Sizemore 13H
API WELL NO MOD
47 - 103 - 03350
STATE COUNTY PERMIT

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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 13H

**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
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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 *John F. Zavatchan Jr.*
 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>870184</u>	<u>Mildred Bright, et al.</u> Mildred Bright 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 111A/407 OG 124A/9 & 136A/538 OG 138A/54 OG 138A/1 OG 175A/707
<u>870085</u>	<u>Charles Lee Roberts, et al.</u> Charles Lee Roberts and Shirley E. 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	"at least 1/8th per WV Code 22-6-8"	OG 84A/452 OG 124A/9 & 136A/538 OG 138A/54 OG 138A/1 OG 175A/707
<u>870090</u>	<u>Lloyd & Nancy Postlethwait, et al.</u> Lloyd Postlethwait and Nancy Postlethwait 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/667 OG 124A/9 & 136A/538 OG 138A/54 OG 138A/1 OG 175A/707

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47-103-03350

870452

Nancy E. Jolliffe

Joe B. Jolliffe
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/769
OG 106A/11 & 135A/344
OG 138A/54
OG 138A/1
OG 175A/707

870533

Five Star Resources

Five Star Resources, a Texas Company

EQT Production Company

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

OG 245A/160

870535

Kathy D. Mace

Kathy D. Mace, a single woman

EQT Production Company

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

OG 225A/217

870216.02

Timothy I. Anderson, et al.

Timothy I. Anderson and Beverly M. Butts, with ROS
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/413
OG 106A/11 & 135A/344
OG 138A/54
OG 138A/1
OG 175A/707

870694

Ralph & Betty Six, et al.

Ralph Six and Betty Jo Six, JTROS
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 86A/616
OG 124A/9 & 136A/538
OG 138A/54
OG 138A/1
OG 175A/707

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Environmental Protection

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870243

Mark A. Shreve, et al.

Kenneth L. Shreve and Sondra L. Shreve, 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

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

OG 80A/55
OG 124A/9 & 136A/538
OG 138A/54
OG 138A/1
OG 175A/707

870246

Brian Keith Watson, et al.

Brian Keith Watson and Anna Marie Watson
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 104A/130
OG 106A/11 & 135A/344 &
136A/480
OG 138A/54
OG 138A/1
OG 175A/707

870206

Kathryn W. Kallenberg

Kathryn W. Kallenberg, a married woman dealing in her sole &
separate property

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 109A/800
OG 110A/821 & 135A/356
OG 138A/54
OG 138A/1
OG 175A/707

870248

Evelyn Florine Huggins, et al.

Evelyn Florine Huggins, widow

EQT Production Company

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

OG 255A/151

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870249

Rt 2016 Minerals I, LLC

Ernest Jack Watson and Nancy Lee Watson
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/531
OG 124A/9 & 136A/538
OG 138A/54
OG 138A/1
OG 175A/707

870256

Stone Hill Mineral Holdings, LLC

Harlin Blaine Yeager
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/696
OG 124A/9 & 136A/538
OG 138A/54
OG 138A/1
OG 175A/707

870160

Green Dot Farm, Inc.

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

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

OG 90A/172
OG 124A/9 & 136A/538
OG 138A/54
OG 138A/1
OG 175A/707

870431

Kenneth W. Gumm, et al.

Kenneth W. Gumm and Judith M. Gumm, h/w

EQT Production Company

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

OG 238A/485

870216

Howard Henderson, et al.

Maxine Henderson
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 81A/254
OG 124A/9 & 136A/538
OG 138A/54
OG 138A/1
OG 175A/707

1047482

Allen Thompson Staggers, et al.

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

Enix Anderson and Mary P. Anderson, his wife
South Penn Oil Company
Hope Natural Gas Company
Consolidated Gas Supply Corporation
Consolidated Gas Transmission Corporation
CNG Development Company
CNG Producing Company
Dominion Exploration & Production, Inc.
Consol Gas Company
CNX Gas Company LLC
Drilling Appalachian Corporation

South Penn Oil Co.
Hope Natural Gas Company
Consolidated Gas Supply Corporation
Consolidated Gas Transmission Corporation
CNG Development Company
CNG Producing Company
Dominion Exploration & Production, Inc.
Consol Gas Company
CNX Gas Company LLC
Drilling Appalachian Corporation
EQT Production Company

DB 39/520
OG 9A/230
DB 233/387
OG 66A/69
OG 67A/453
Unrecorded agreement
WV SOS
Corp. Book 13/108
Misc. Book 96/307
OG 157A/654
OG 253A/205

1041507

Howard Henderson

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

Howard M. Henderson and Linda S. Henderson, husband and
wife
Antero Resources Corporation

Antero Resources Corporation
EQT Production Company

OG 206A/870
OG 231A/98

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