



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, December 3, 2025
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

EQT PRODUCTION COMPANY
2200 ENERGY DRIVE

CANONSBURG , PA 15317

Re: Permit Modification Approval for BIG 177 104H
47-103-03725-00-00

Lateral Extension w/ Forced Pooling

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 black ink, reading 'H. Jason Harmon'.

H. Jason Harmon
Acting Chief

Operator's Well Number: BIG 177 104H
Farm Name: COASTAL FOREST RESOURCES COMPANY
U.S. WELL NUMBER: 47-103-03725-00-00
Horizontal 6A New Drill
Date Modification Issued: 12/03/2025

Promoting a healthy environment.

12/05/2025

WW-6B
(04/15)

API NO. 47- 103 - 03725
OPERATOR WELL NO. 104H
Well Pad Name: BIG177

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 Grant Big Run
Operator ID County District Quadrangle
- 2) Operator's Well Number: 104H Well Pad Name: BIG177
- 3) Farm Name/Surface Owner: Coastal Forest Resources Co. Public Road Access: Rt 19
- 4) Elevation, current ground: 811' Elevation, proposed post-construction: 811'
- 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
- 7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Marcellus, 6,849', 51', 2,620 PSI
- 8) Proposed Total Vertical Depth: 6,849'
- 9) Formation at Total Vertical Depth: Marcellus
- 10) Proposed Total Measured Depth: 15,604'
- 11) Proposed Horizontal Leg Length: 7,363'
- 12) Approximate Fresh Water Strata Depths: 147', 173', 283', 483', 633'
- 13) Method to Determine Fresh Water Depths: Offset wells
- 14) Approximate Saltwater Depths: 1,338', 1,330', 1,401', 1,453'
- 15) Approximate Coal Seam Depths: 103', 156', 434', 498'
- 16) Approximate Depth to Possible Void (coal mine, karst, other): none anticipated
- 17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes _____ No X
- (a) If Yes, provide Mine Info: Name: _____
Depth: _____
Seam: _____
Owner: _____

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Ch# 609692
2500⁰⁰

Page 1 of 3
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12/05/2025

WW-6B
(04/15)

API NO. 47- 103 - 03725

OPERATOR WELL NO. 104H

Well Pad Name: BIG177

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	A252	85.6	93	93 ✓	95 ft^3 / CTS
Fresh Water	13 3/8	New	J-55	54.5	768	768 ✓	725 ft^3 / CTS ✓
Coal							
Intermediate	9 5/8	New	J-55	36	2011	2011 ✓	750 ft^3 / CTS
Production	5 1/2	New	P-110	20	15604	15604 ✓	500' above intermediate casing ✓
Tubing							
Liners							

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	1000	18	Class A/L	1.04 - 1.20
Fresh Water	13 3/8	17 1/2	0.380	2730	2184	Class A/L	1.04 - 1.20
Coal							
Intermediate	9 5/8	12 3/8 - 12 1/4	0.352	3520	2816	Class A/H/L	1.04 - 1.20
Production	5 1/2	8 3/4 - 8 1/2	0.361	14360	✓ 11488	Class A/H/L	1.04 - 2.10
Tubing							
Liners							

PACKERS

Kind:				
Sizes:				
Depths Set:				

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Stephen Mccoy
Date: 2025.10.09 07:42:56 -04'00'

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WW-6B
(10/14)

API NO. 47- 103 - 03725
OPERATOR WELL NO. 104H
Well Pad Name: BIG177

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

Drill and complete a new horizontal well in the Marcellus Formation. Drill the vertical, kick off and drill curve. Drill the lateral in the Marcellus. Cement casing.

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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): NA - site built

22) Area to be disturbed for well pad only, less access road (acres): NA - 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 other joint from production casing shoe to landing point. One solid body centralizer spaced every joint from landing point to planned top of cement.

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. If applicable: Gas Migration Control Additive, Cement Retarder
Production: Calcium Carbonate, Fluid Loss, Extender, Dispersant, Viscosifier, Defoamer, POZ, Bonding Agent, Retarder, Anti-Settling/Suspension Agent

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.

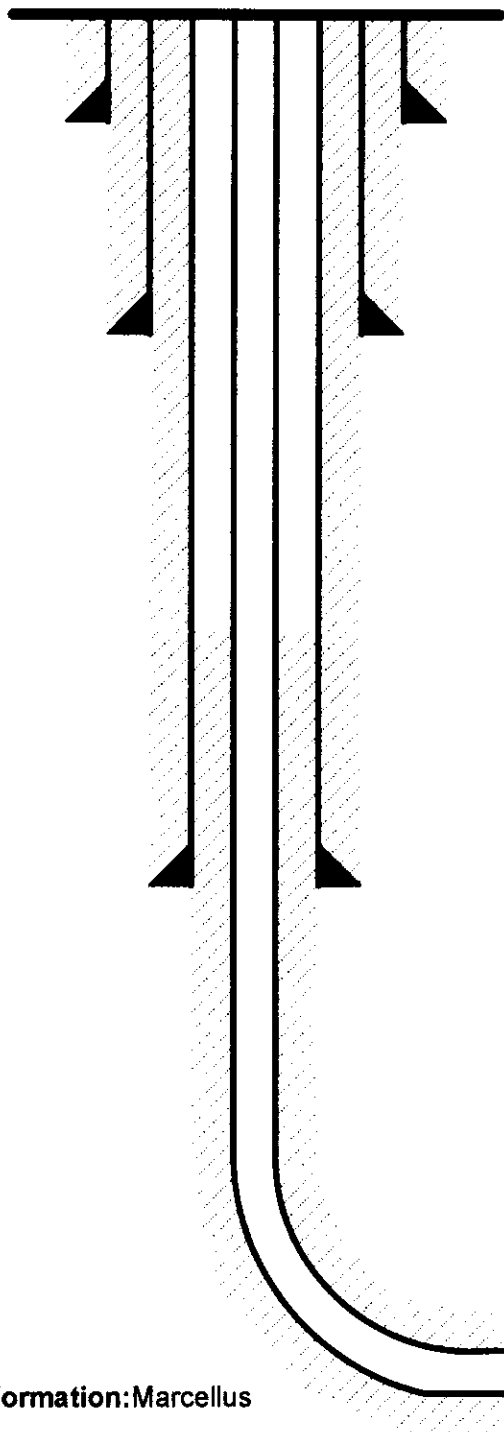
*Note: Attach additional sheets as needed.

12/05/2025

EQT Production**Wellbore Diagram**

Well: BIG177 104H
Pad: BIG177
Elevation: 811' GL 824' KB

County: Wetzel
State: West Virginia



Conductor @ 93'

26", 85.6#, A252, cement to surface w/ Class A/L

Surface @ 768'

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

Intermediate @ 2,011'

9-5/8", 36#, J-55, cement to surface w/ Class A/H/L

Production @ 15,604' MD / 6,849' TVD

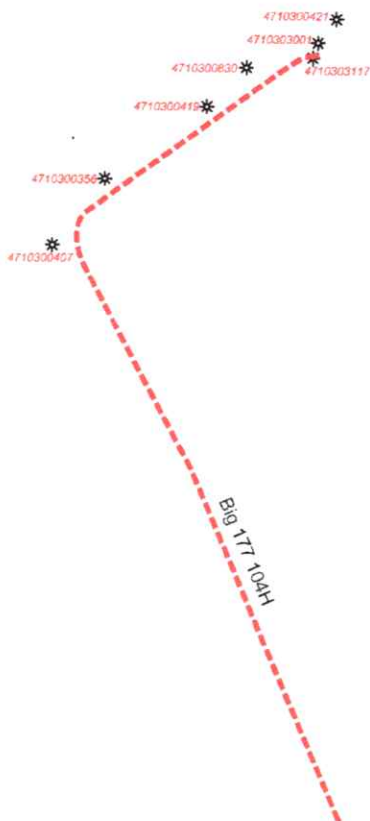
5-1/2", 20#, P-110, cement to 500' inside 9-5/8" w/ Class A/H/L

Formation: Marcellus

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NOT TO SCALE

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EQT Corporation
625 Liberty Avenue
Pittsburgh, PA 15222

Big 177

Vertical Offsets and
Foreign Laterals
within 500 Feet

Legend

Well Lateral_FM

Formation

— Genesee

— Marcellus

— Utica

⚙ Big 177_Offset_Wells

2000 1000 0 2000



Scale: 1 Inch = 2000 Feet

Disclaimer:
This map is confidential and is to be used only for the express informational purposes for which it was created. Unauthorized use, copying, or dissemination is strictly prohibited. EQT does not warrant the accuracy of the location of any items shown on this map, including, but not limited to, any structures, well or pipeline facilities, property boundaries, topography, roadways, or waterways. The items shown on the map may not have been placed on the map using survey lines or GPS coordinates. The specific location of any of the map items should be determined by a field survey performed by a licensed surveyor upon consultation with EQT.

1 Inch = 116,000 Feet



12/05/2025

BIG177 104H Area of Review

API	Status	Current Operator	Latitude	Longitude	Spud Date	Elevation	TOT Depth
✓ 103-00421	NA	PEMCO Gas	39.588116	-80.467722	10/29/1955	823	521
✓ 103-00830	Plugged 1/5/2018	Equitrans LP	39.582000	-80.586600	12/2/1896	809	2681
✓ 103-00419	NA	JCR Petroleum	39.580972	-80.588706	10/3/1955	803	497
✓ 103-00356	Plugged 8/24/1959	Unknown	39.578589	-80.592933	18108	793	515
✓ 103-03117	App Withdrawn	EQT Prod					
✓ 103-03001	App Withdrawn	EQT Prod					
✓ 103-00407	Plugged 11/24/1954	Unknown	39.576419	-80.595087	10/1/1954	1133	636

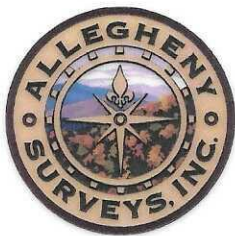
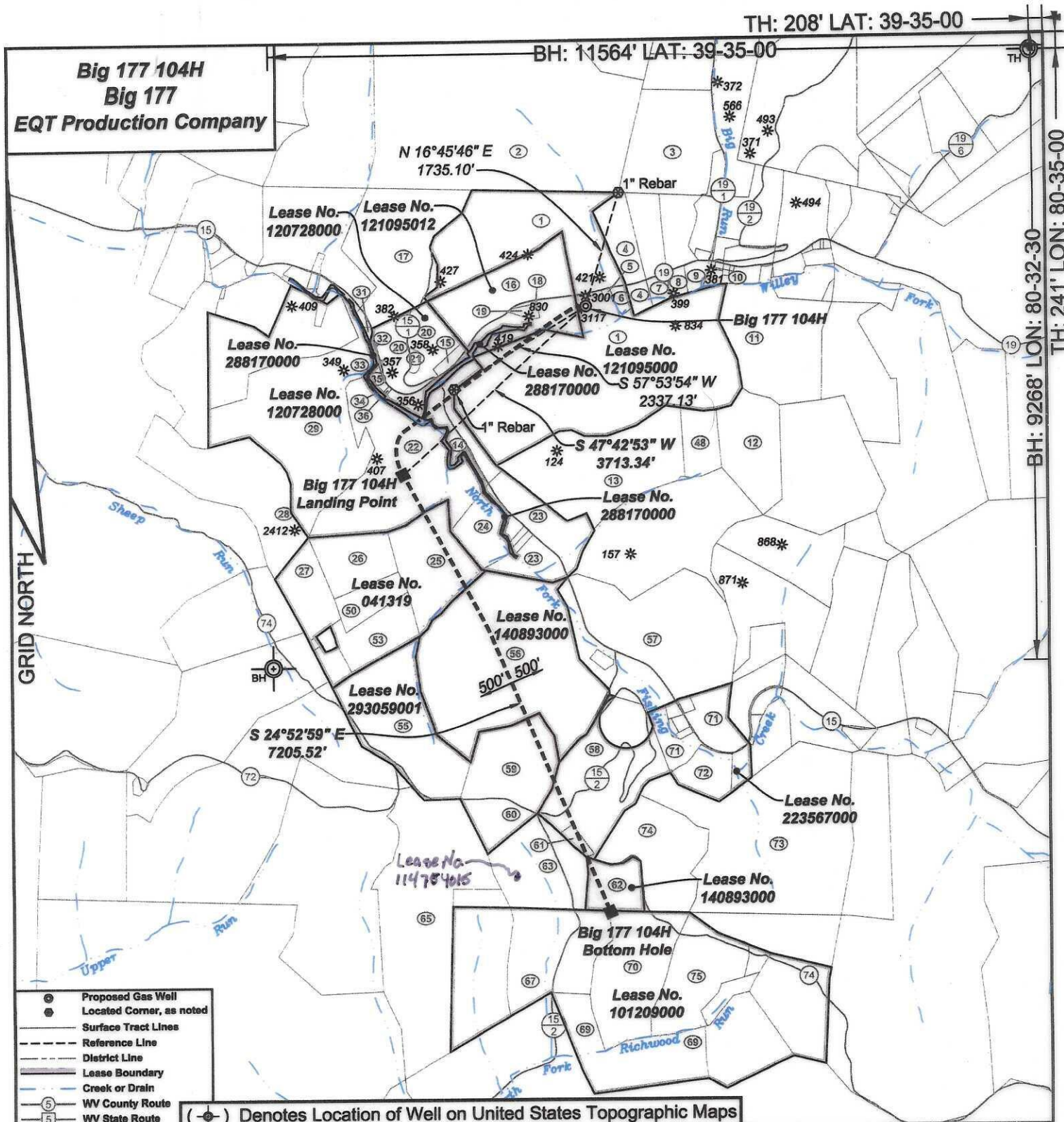
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Big 177 104H
Big 177
EQT Production Company

TH: 208' LAT: 39-35-00

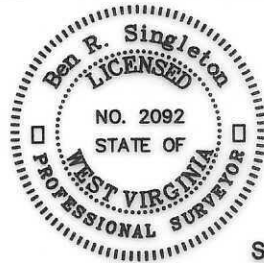
BH: 11564' LAT: 39-35-00

ON: 80-32-30
TH: 241' LON: 80-35-00



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.

P.S. 2092



SEAL

FILE NO: 352-23

DRAWING NO: Big 177 104H

SCALE: 1" = 1000'

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: October 10 20 25

OPERATOR'S WELL NO.: Big 177 104H

API WELL NO

47 - 103 - 03725
STATE COUNTY PERMIT

WELL TYPE: ☐ OIL ☒ GAS ☐ LIQUID INJECTION ☐ WASTE DISPOSAL

(IF GAS) PRODUCTION : ☐ STORAGE ☐ DEEP ☒ SHALLOW

LOCATION: ELEVATION: 810.5'

WATERSHED Willey Fork of North Fork Fishing Creek QUADRANGLE: Big Run

DISTRICT: Grant

COUNTY: Wetzel

SURFACE OWNER: Coastal Forest Resources Company

ACREAGE: 217.19

ROYALTY OWNER: Coastal Forest Resources Company, et al.

LEASE NO: 121095000

ACREAGE: 300

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: 6849'

WELL OPERATOR: EQT Production Company

DESIGNATED AGENT: Joseph C. Mallow

ADDRESS: 2200 Energy Drive

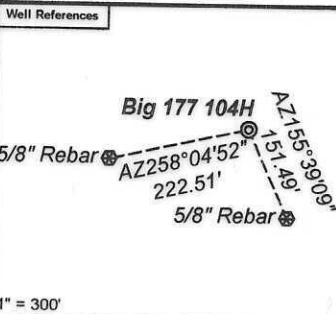
ADDRESS: 427 Midstate Drive

Canonsburg, PA 15317

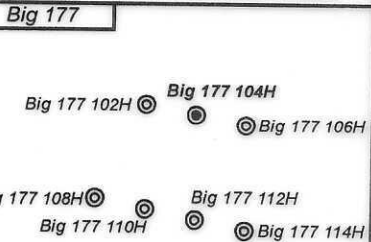
Clarksburg, WV 26301

Big 177 104H
Big 177
EQT Production Company

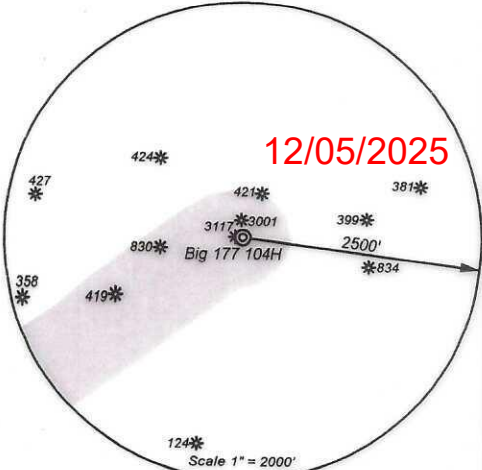
Tract I.D.	TaxMap No.	Parcel No.	County	District	Surface Tract Owner	Acres
1	13	6	Wetzel	Grant	Coastal Forest Resources Company	217.19
2	8	18	Wetzel	Grant	Coastal Forest Resources Company	337
3	8	23.2	Wetzel	Grant	James L. Dulaney	43.19
4	8	35	Wetzel	Grant	John D. Parks	15.5
5	8	66	Wetzel	Grant	EQM Gathering OPCCO LLC	0.418
6	8	65	Wetzel	Grant	Ikey Joe & Tina M. Willey	2.15
7	8	36	Wetzel	Grant	James L. & Karen Dulaney	14.1
8	8	37	Wetzel	Grant	James L. & Karen Dulaney	14.1
9	8	43	Wetzel	Grant	Judy K. Utt	3.25
10	8	45	Wetzel	Grant	Dale K. Dulaney	9.828
11	13	7	Wetzel	Grant	Mansel Lee McDiffitt, et al.	51.8
12	13	15	Wetzel	Grant	Robert Scott & Alfred Bryan Cole	27.75
13	13	13	Wetzel	Grant	Linda L. Dunn	67.5
14	13	12	Wetzel	Grant	Leslie Lydick & Susan Miracle	15.02
15	13	4.3	Wetzel	Grant	Jeffrey L. & Beth Willey	3.35
16	13	6.1	Wetzel	Grant	Coastal Forest Resources Company	55.06
17	8	34	Wetzel	Grant	Hallie M. & Paul E. Hardbarger	54.01
18	8	58	Wetzel	Grant	Higgins Chapel Church of Christ	0.99
19	8	64	Wetzel	Grant	Mary S. & James Eastham	1.45
20	13	4	Wetzel	Grant	Jeffrey L. & Beth Willey	26.8
21	13	5	Wetzel	Grant	Kingtown Cemetery	1.1
22	13	11	Wetzel	Grant	John R. & Johnna E. Harter	74.771
23	13	23	Wetzel	Grant	Kenneth L. & Nadine R. Coen	26.51
24	13	23.2	Wetzel	Grant	Jennifer L. Archer, et al.	14.54
25	13	22	Wetzel	Grant	John R. & Johnna E. Harter	30
26	13	20	Wetzel	Grant	John R. & Johnna E. Harter	18.25
27	13	19	Wetzel	Grant	Larry D. & Mary A. Huggins	19.25
28	12	22	Wetzel	Grant	Coen Holdings LLC	51.6
29	12	12	Wetzel	Grant	Dallison Lumber Inc.	84
31	8	67	Wetzel	Grant	Edgar S. & Sheena M. Shrum	0.53
32	13	4.2	Wetzel	Grant	Dallison Lumber Inc.	0.6
33	13	54	Wetzel	Grant	Lowman Baptist Church	0.222
34	13	55	Wetzel	Grant	Lowman Baptist Church	0.229
35	13	1	Wetzel	Grant	Lowman Baptist Church	1.5
36	13	3	Wetzel	Grant	Lowman Baptist Church	0.38
48	13	14	Wetzel	Grant	Linda L. Dunn	12.5
50	13	21	Wetzel	Grant	John & Johnna Shay Harter	12
53	13	29	Wetzel	Grant	Kenneth D. Elford	17.5
55	13	36	Wetzel	Grant	Sara P. Miller, et al.	49
56	13	30	Wetzel	Grant	Coastal Forest Resources Company	113.8
57	13	31	Wetzel	Grant	Annette M. Riley	98.7
58	13	38	Wetzel	Grant	Coastal Forest Resources Company	58
59	13	37.1	Wetzel	Grant	Alice D. Hayhurst	30
60	13	37	Wetzel	Grant	Gary White, et al.	16
61	13	38.1	Wetzel	Grant	Angela N. & Christopher Thomas	2
62	18	4	Wetzel	Grant	Dallison Lumber Inc.	13.5
63	18	3	Wetzel	Grant	Gary White, et al.	32.25
65	18	1	Wetzel	Grant	McKinley E. Calvert Heirs	100
67	18	7	Wetzel	Grant	William R. & Joey J. Work	46.47
69	18	18	Wetzel	Grant	Betty Hostutler, et al.	43.4
70	18	8	Wetzel	Grant	Marybeth & Terry L. Henthorn	39.4
71	13	52	Wetzel	Grant	Carl L. & Patsy R. Barr	22.598
72	13	52.6	Wetzel	Grant	Jerry White, et al.	11.42
73	13	48	Wetzel	Grant	Coastal Forest Resources Company	155.8
74	18	5	Wetzel	Grant	Theodore McCoy, et al.	39
75	18	9	Wetzel	Grant	Linda B. Blouw	38.6



Notes:
Big 177 104H coordinates are
NAD 27 N: 396,146.35 E: 1,694,406.76
NAD 27 Lat: 39.582589 Long: -80.584259
NAD 83 UTM N: 4,381,522.18 E: 535,718.76
Big 177 104H Landing Point coordinates are
NAD 27 N: 393,648.02 E: 1,691,659.78
NAD 27 Lat: 39.575639 Long: -80.593896
NAD 83 UTM N: 4,380,747.04 E: 534,894.52
Big 177 104H Bottom Hole coordinates are
NAD 27 N: 387,111.35 E: 1,694,691.84
NAD 27 Lat: 39.557795 Long: -80.582861
NAD 83 UTM N: 4,378,771.01 E: 535,851.45
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.



Lease No.	Owner	Acres
121095000	Coastal Forest Resources Company, et al.	300
121095012	Coastal Forest Resources Company, et al.	57.5
120728000	EQT Production Company, et al.	450
288170000	State of West Virginia, Department of Commerce, Division of Natural Resources	4,7938 & 3.1172
041319	CNX Gas Company, LLC., et al.	107
140893000	Stone Hill Minerals Holdings, LLC, et al.	113.80 of 1,588.27
293059001	Stone Hill Minerals Holdings, LLC, et al.	95 of 225.57
223567000	Shiben Estates, Inc.	100
140893000	Stone Hill Minerals Holdings, LLC, et al.	13.5 of 1,588.27
101209000	Shiben Estates, Inc.	297.50



**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 list				

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**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: Branden Weimer

Its: Regional Manager - Permitting



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Lease No.	Grantor, Lessor, etc.	Acres	Grantee, Lessee, etc.	Royalty	Book/Page
	<u>Coastal Forest Resources Company, et al.</u>			"at least 1/8th per WV Code 22-6-8"	
/ 121095000	James V. Higgins The Philadelphia Company of West Virginia Pittsburgh and West Virginia Gas Company Equitable Gas Company Equitrans, Inc. Equitable Gas Company, LLC, et al. Equitrans, L.P.	300 ac	The Philadelphia Company of West Virginia Pittsburgh and West Virginia Gas Company Equitable Gas Company Equitrans, Inc. Equitable Gas Company LLC Equitrans, L.P. EQT Production Company		DB 60/414 OG 22A/352 DB 187/321 OG 71A/453 Corp. Book 13/213 Misc 105/908 OG 131A/81
	<u>Coastal Forest Resources Company, et al.</u>			"at least 1/8th per WV Code 22-6-8"	
/ 121095012	Coastal Forest Resources Company, d/b/a Coastal Timberlands Company	57.5 ac	EQT Production Company		OG 147A/664
	<u>EQT Production Company, et al.</u>			"at least 1/8th per WV Code 22-6-8"	
/ 120728000	Mikel Barr, et al. The Philadelphia Company The Philadelphia Company of West Virginia Pittsburgh and West Virginia Gas Company Equitable Gas Company Equitrans, Inc. Equitable Gas Company, LLC, et al. Equitrans, L.P.	450 ac	The Philadelphia Company The Philadelphia Company of West Virginia Pittsburgh and West Virginia Gas Company Equitable Gas Company Equitrans, Inc. Equitable Gas Company LLC Equitrans, L.P. EQT Production Company		DB 47/558 DB 47/561 OG 22A/352 DB 187/321 OG 71A/453 Corp. Book 13/213 Misc 105/908 OG 131A/81
	<u>State of West Virginia, Department of Commerce, Division of Natural Resources</u>			"at least 1/8th per WV Code 22-6-8"	
/ 288170000	State of West Virginia, Department of Commerce, Division of Natural Resources	4.7938 ac & 3.1172 ac	EQT Production Company		OG 424A/138
	<u>CNX Gas Company, LLC., et al.</u>			"at least 1/8th per WV Code 22-6-8"	
041319	CNX Gas Company, LLC.	107 ac	EQT Production Company		Drilling Letter dated October 2, 2025

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Lease No.	Grantor, Lessor, etc.	Acres	Grantee, Lessee, etc.	Royalty	Book/Page
	<u>Stone Hill Minerals Holdings, LLC, et al.</u>			"at least 1/8th per WV Code 22-6-8"	
/ 140893000	Stone Hill Minerals Holdings, LLC TH Exploration, LLC	113.80 ac of 1,588.27 ac	TH Exploration, LLC EQT Production Company		OG 240A/628 OG 258A/333
	<u>Stone Hill Minerals Holdings, LLC</u>			"at least 1/8th per WV Code 22-6-8"	
/ 293059001	Stone Hill Minerals Holdings, LLC	95 ac of 225.57 ac	EQT Production Company		Memorandum of Oil and Gas Lease dated August 21, 2025
	<u>Shiben Estates, Inc.</u>			"at least 1/8th per WV Code 22-6-8"	
/ 223567000	Shiben Estates, Inc.	100 ac	EQT Production Company		OG 305A/741
	<u>Stone Hill Minerals Holdings, LLC, et al.</u>			"at least 1/8th per WV Code 22-6-8"	
/ 140893000	Stone Hill Minerals Holdings, LLC TH Exploration, LLC	13.5 ac of 1,588.27 ac	TH Exploration, LLC EQT Production Company		OG 240A/628 OG 258A/333
	<u>Shiben Estates, Inc.</u>			"at least 1/8th per WV Code 22-6-8"	
/ 101209000	Esther Peters, Paul J. Shiben, Katheine Mensore and Edward Shiben, as Executors of the Estates of Joseph and Minnie Shiben, and Shiben Estats, Inc. Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation CNG Transmission Corporation Dominion Exploration & Production, Inc., Dominion Transission, Inc., Dominion Appalachian Development, LLC. Antero Resources Appalachian Corporation	297.50 ac	Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation CNG Transmission Corporation Dominion Exploration & Production, Inc., Dominion Transission, Inc., Dominion Appalachian Development, LLC. Antero Resources Appalachian Corporation EQT Production Company		OG 54A/503 OG 66A/69 MB 152/718 OG 95A/937 OG 127A/195

 Force Pool Tract(s) Within Lease Boundaries

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WW-6A1 attachment

Operator's Well No.

BIG177 104H Addendum

Lease No.	Grantor, Lessor, etc.	Acres	Grantee, Lessee, etc.	Royalty	Book/Page
	<u>John R. Flynn , et al.</u>			"at least 1/8th per WV Code 22-6-8"	
<u>114754015</u>	John R. Flynn	32.25 ac	EQT Production Company		OG 184A/575

☐ Force Pool Tract(s) Within Lease Boundaries

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WV Department of
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Big 177 104H
EQT Production Company
"Detail of Lease No. 114754015"



Lease No.
223567000

Lease No.
114754015

Proposed Well Bore
8.30'



Scale: 1 Inch = 10 Feet

Lease No.
140893000

Birch River Office
Phone: (304) 649-8606
Fax: (304) 649-8608

237 Birch River Road
Birch River, WV 26610
www.alleghenysurveys.com



PARTY CHIEF: NA

RESEARCH: NA

SURVEYED: NA

FIELD CREW: NA

DRAWING NO: 104H Addendum
Lease 114754015.dwg

PROJECT NO: 352-18-M-23

PREPARED: October 17, 2025

DRAWN BY: Tim Rutledge

Sheet 1 of 1

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October 2, 2025

Peter Binotto
CNX Gas Company LLC
1000 Horizon Vue Drive
Canonsburg, PA 15317

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RE: Drilling Letter Issued Pursuant to Purchase and Sale Agreement

WV Department of
Environmental Protection

Dear Mr. Binotto:

1. Reference is made to that certain Purchase and Sale Agreement dated September 9, 2025 (the "**Purchase and Sale Agreement**") by and between CNX Gas Company LLC, a Virginia limited liability company ("**CNX**"), and EQT Production Company, a Pennsylvania corporation ("**EQT**"), governing the purchase of certain interests in certain oil and gas leases and fee mineral interests in Marshall and Wetzel Counties, West Virginia (the "**Transaction**"). All capitalized terms used but not otherwise defined herein shall have the meanings (if any) ascribed to them in the Purchase and Sale Agreement.

2. Pursuant to Section 5.4 of the Purchase and Sale Agreement, EQT ("**Drilling Party**") issued a Drilling Letter Request to CNX ("**Assignor**") identifying its need to drill, complete and produce wells upon those certain Leases and/or Mineral Fee Interests of Assignor set forth on Exhibit A hereto (the "**Drilling Leases**") prior to the Closing. This letter is the Drilling Letter resulting from the aforementioned Drilling Letter Request.

3. Subject to Section 5.4 of the Purchase and Sale Agreement, Assignor hereby grants Drilling Party and/or its designated affiliates the limited rights to make regulatory permit applications and, upon receipt of all necessary permits and governmental approvals, to horizontally drill and complete one (1) or more wellbore laterals ("**Wells**") through and in the Target Formation (as defined in the Purchase and Sale Agreement) of the lands covered by the Drilling Leases; **provided, however**, that Assignor hereby expressly withholds to itself and its successors and assigns, and does not grant Drilling Party and/or its designated affiliates, (a) the right to produce hydrocarbons from the Drilling Leases until after the time of the Closing of the Purchase and Sale Agreement and the assignment and/or lease of the Drilling Leases to the Drilling Party at which time the right to produce hydrocarbons from the Drilling Leases shall pass according to the terms of the applicable assignment or lease, (b) the right to drill in or through any area or formation covered by the Drilling Leases other than the Target Formation, or (c) the right to access the surface of or to conduct surface operations on the lands covered by the Drilling Leases. Drilling Party hereby agrees to indemnify, defend and hold harmless Assignor for, from and against any and all Claims (as defined below) sustained by Assignor or its affiliates or related companies resulting from or in connection with Drilling Party's activities with respect to the Drilling Leases, including, without limitation, the drilling of the Wells and Drilling Party's development and operation of the Drilling Leases, that arise on or after the date of this Drilling Letter. "**Claims**" shall mean any and all losses, suits, proceedings, actions, causes of action, in law or at equity, demands, penalties, fines, fees, charges, assessments, liabilities

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(including environmental liabilities), damages (including environmental and natural resources damages), claims, judgments, executions, costs and expenses of any kind (including, without limitation, attorney's fees, expert's fees, court costs and other out-of-pocket fees and disbursements), taxes, and interest, whether existing or incurred or asserted in the future, in connection with (a) any such claim or the defense thereof, (b) amounts paid in settlement, orders, liens, or decrees, or (c) any injury or damage of any kind and nature to persons (including sickness, illness and/or death), mines, wells, or property claims or to the Drilling Leases, or natural resources, and with respect to any of the foregoing, whether sustained or brought by or against Assignor or any third party. Notwithstanding any of the foregoing, in the event that any Claims arise from the joint or concurrent negligence of Assignor, the loss shall be borne by Drilling Party and Assignor proportionately to their degree of negligence, and Drilling Party shall have no obligation to indemnify Assignor against Assignor's negligence or willful misconduct.

4. This Drilling Letter is specifically made subject to the terms and conditions of the Purchase and Sale Agreement. In the event of any conflict between the terms of this Drilling Letter and the terms of the Purchase and Sale Agreement, the terms of the Purchase and Sale Agreement shall control, including the indemnity provisions; provided, however, that the indemnity provisions of this Drilling Letter shall control to the extent that the indemnity provisions of the Purchase and Sale Agreement are not in effect or do not provide for indemnification.

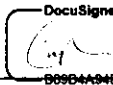
5. This Drilling Letter shall be governed by, construed, interpreted and applied in accordance with the laws of the State or Commonwealth in which the Drilling Leases are located, excluding any choice of law rules which would refer the matter to the laws of another jurisdiction.

6. This Drilling Letter may be executed in any number of counterparts, each of which shall be considered an original for all purposes, and all of which, when taken together, shall constitute one and the same instrument, provided that this Drilling Letter but shall not be binding upon either of Drilling Party or Assignor until fully executed by both of them.

If the above meets your approval, please execute in the space provided below and return one signed copy to my attention. Should you have any questions, please contact Matt Eller.

Sincerely,

EQT Production Company

DocuSigned by:
By: 
00004A94E00040A...
Name: Corey Peck
Title: Vice President

DE ME

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Acknowledged, accepted and agreed to

on October 2, 2025. 10/2/2025 | 4:25 PM EDT

CNX Gas Company LLC

Signed by:
By: 
73E3844E068D481
Name: Peter J. Binotto
Title: Vice President

Initial
SS

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EXHIBIT A

to Drill Letter Issues Pursuant Purchase and Sale Agreement dated September 9, 2025

Property Type	CNX Agreement No.	Original Lessor/Grantor	Original Lessee/Grantee	Effective Date	Expire	RI	ORRI	NRI	WI	CNX Conveyed Gross Acres	CNX Conveyed Marcellus Net Acres	Marcellus NRI Acres	BK/PG Instrument No.	District/Township	County	State	Tax Parcel ID
Lease	298810001	THREE RIVERS ROYALTY II LLC	CNX GAS COMPANY LLC	8/4/2021	8/3/2028	0.2	0	0.8	1	123.250	38.0545	30.4436	266A / 154	Church	Wetzel	WV	p/o 02-14-6 02-14-7 02-14-7.1 02-10-57
Lease	298810001	THREE RIVERS ROYALTY II LLC	CNX GAS COMPANY LLC	8/4/2021	8/3/2028	0.2	0	0.8	1	260.250	3.102604	2.4821	266A / 154	Clay	Wetzel	WV	p/o 03-2-15 p/o 03-4-5 p/o 03-4-6 p/o 03-4-19 p/o 03-4-20 p/o 03-4-20.2 p/o 03-4-11 p/o 03-4-12 p/o 03-4-12.1 p/o 03-3-24
Lease	299001001	THREE RIVERS ROYALTY II LLC	CNX GAS COMPANY LLC	10/6/2021	10/6/2028	0.2	0	0.8	1	260.250	104.1000	83.2800	270A / 428	Clay	Wetzel	WV	p/o 03-2-15 p/o 03-4-5 p/o 03-4-6 p/o 03-4-19 p/o 03-4-20 p/o 03-4-20.2 p/o 03-4-11 p/o 03-4-12 p/o 03-4-12.1 p/o 03-3-24
Lease	298920001	AMP IV L.P.	CNX GAS COMPANY LLC	8/25/2021	8/25/2026	0.19	0	0.81	1	52.730	0.9056	0.7335	268A / 1	Church	Wetzel	WV	02-10-28
Lease	299196001	PHYLLIS R. LAVELLE	PIKEWOOD ENERGY CORPORATION	9/9/2021	9/9/2026	0.15	0.03	0.82	1	32.600	24.4500	20.0490	268A / 781	Church	Wetzel	WV	02-18-12 02-14-20
Lease	299222001	BOUNTY MINERALS, LLC	CNX GAS COMPANY LLC	12/10/2021	12/10/2028	0.2	0	0.8	1	120	9.9960	7.9968	274A / 624	Church	Wetzel	WV	02-14-20.1 02-14-21 04-13-19
Deed	110815000	LIVA HENDERSHOT	A.H. LOW	3/4/1891	12/31/2078	0.2	0	0.8	1	107.000	89.1631	71.3305	31 / 552	Grant	Wetzel	WV	04-13-20 04-13-21 04-13-22 p/o 04-13-28 04-13-29
Lease	243079000	SARAH ROBERTS AND ELI ROBERTS	THE WHEELING NATURAL GAS COMPANY	10/8/1908	10/8/1918	0.125	0.055	0.82	1	160.000	80.0000	65.6000	107 / 157	Church	Wetzel	WV	02-10-26 02-10-26.2 02-10-27

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Property Type	CNX Agreement No.	Original Lessor/Grantor	Original Lessee/Grantee	Effective Date	Expire	RI	ORRI	NRI	WI	CNX Conveyed Gross Acres	CNX Conveyed Marcellus Net Acres	Marcellus NRI Acres	BK/PG Instrument No.	District/Township	County	State	Tax Parcel ID
Lease	250219000	ZULA ROSE HENDERSON, GEORGE D. SIX AND GERALD L. SIX	JOHN L. TUSTIN	5/7/2009	5/7/2014	0.18	0	0.82	1	5.000	5.0000	4.1000	100A / 440	Church	Wetzel	WV	02-14-22.13
Deed	PENDING	JOHN L. MOORE AND BEVERLY J. MOORE, HUSBAND AND WIFE	CNG TRANSMISSION CORPORATION	2/20/1997		0.2	0	0.8	1	30.000	1.0174	0.8571	357/555	Clay	Wetzel	WV	03-7-18.1 03-7-18.2
Lease	298810001	THREE RIVERS ROYALTY II LLC	CNX GAS COMPANY LLC	8/4/2021	8/3/2028	0.2	0	0.8	1	150	0.7812	0.6250	266A / 154	Clay	Wetzel	WV	02-14-4

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MEMORANDUM OF OIL AND GAS LEASE

This Memorandum of Oil and Gas Lease ("Memorandum") made this 21st day of August, 2025, by and between STONE HILL MINERALS HOLDINGS, LLC with an address of P.O. Box 470426, Fort Worth, TX 76147, hereinafter collectively called "Lessor," and EQT PRODUCTION COMPANY, with an address of 625 Liberty Avenue, Suite 1700, Pittsburgh, PA 15222, hereinafter called "Lessee".

WITNESSETH

For and in consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, and intending to be legally bound, Lessor did make and execute in favor of Lessee a Paid Up Oil and Gas Lease (the "Lease") dated effective as of August 21st, 2025 which provides for a five (5) year primary term ("Primary Term") with a right to renew the Primary Term for an additional three (3) year term covering Lessor's interest in the following described lands (the "Leased Premises"):

DESCRIPTION: The Leased Premises is located, all or part, in Wetzel County, West Virginia, and includes the lands identified in **EXHIBIT "A"** and described for the purposes of this Lease as containing 225.745 acres, whether actually more or less, and conveyed to Lessor by Haymaker Properties, LP and Haymaker Resources, LP by Deed dated October 1, 2016, recorded in Deed book 466, Page 541, in the Office of the Clerk of the County Commission of the aforesaid County. **It is understood and agreed by Lessor and Lessee that each line item listed on Exhibit "A" shall be treated as if it were executed on its own separate Lease and that each provision of the Lease and the Addendum shall apply to each separate Lease.**

The Lease, with all of its terms, covenants and other provisions, is referred to and incorporated into this Memorandum for all purposes. This Memorandum is placed of record for the purpose of giving notice of the Lease. Nothing contained in this Memorandum will alter or amend any of the terms and provisions of the Lease. In the event of any conflict between this Memorandum and the Lease, the terms and conditions of the Lease shall control. It is the intent of the Lessor to lease only the Lessor's interest in and to the properties described herein, and further it is understood that the Lease includes only those interests currently owned by the Lessor in the properties described herein.

The Lease contains a vertical and horizontal Pugh Clause.

IN WITNESS WHEREOF this Memorandum of Oil and Gas Lease is executed as of the date first above written.

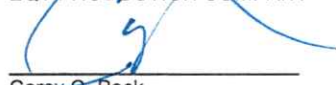
Lessor:

Stone Hill Minerals Holdings, LLC


Andrew Schmid
President

Lessee:

EQT PRODUCTION COMPANY


Corey C. Peck
Vice President - Land

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ACKNOWLEDGMENT

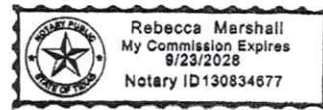
STATE OF TEXAS)
) SS:
COUNTY OF TARRANT)

On this the 22th day of August, 2025, before me, a notary public, the undersigned authority, personally appeared Andrew Schmid, who acknowledged his self to be the President of Stone Hill Minerals Holdings, LLC, a limited liability company, and that he as such President being authorized to do so, executed the foregoing instrument for the purposed therein contained by signing the name of the limited liability company by his self as President.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My Commission Expires: 9-23-2028 Signature/Notary Public: Rebecca Marshall

Name/Notary Public (print): Rebecca Marshall



ACKNOWLEDGMENT

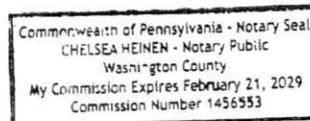
STATE OF Pennsylvania)
) SS:
COUNTY OF Washington)

On this 11th day of November, 2025, before me, a Notary Public, the undersigned authority, personally appeared Corey C. Peck, who acknowledged himself to be the Vice President - Land for EQT PRODUCTION COMPANY, and that he Vice President - Land being authorized to do so, executed the forgoing instrument for the purposed therein contained by signing the name of the company by himself as Vice President - Land.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My Commission Expires: 2/24/29 Signature/Notary Public: [Signature]

Name/Notary Public: Chelsea Heinen



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Please return to:

EQT PRODUCTION COMPANY
625 Liberty Avenue, Suite 1700
Pittsburgh, PA 15222

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EXHIBIT A

DISTRICT	PARCEL	GROSS
GRANT	04-13-36	49.00000000
GRANT	04-18-2	4.66000000
GRANT	04-12-5.1	4.24000000
GRANT	04-13-37.1	30.00000000
GRANT	04-12-15.1	1.68000000
GRANT	04-13-37	16.00000000
GRANT	04-12-14	57.50000000
GRANT	04-12-29	3.12500000
GRANT	04-19-35	1.99000000
GRANT	04-19-36	15.40000000
GRANT	04-19-34	3.15000000
GRANT	04-18-5	39.00000000

225.74500000

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EQT Production Company
2200 Energy Drive | Canonsburg, PA 15317

November 7, 2025

Via FedEx Overnight

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

RE: Horizontal Well Work Expedited Permit Modification Request
BIG177 102H (103-03724) & 104H (103-03725)
Grant District, Wetzel County, WV

WVDEP Recipient,

Please consider this our formal request for modifications to the wells referenced above. Included with each permit application is the required modification permit fee (\$2,500). The modification requests for these wells are for lateral extensions. Please note that these wells are included in the BIG177 SW Unit pooling application currently before the WV OGCC.

EQT 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 and provide any additional requested documentation or clarification in a timely manner, so that permitting proceeds in a predictable and logical manner.

Best Regards,

A handwritten signature in blue ink that reads 'Kristen Brooks'.

Kristen Brooks
Permitting Coordinator
kristen.brooks@eqt.com

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