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west virginia department of environmental protection

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

Harold D. Ward, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Wednesday, April 1, 2026  
PERMIT MODIFICATION APPROVAL  
Horizontal 6A / New Drill

EQT PRODUCTION COMPANY  
2200 ENERGY DRIVE

CANONSBURG , PA 15317

Re: Permit Modification Approval for LONGWELL 3H  
47-103-03757-00-00

**Lateral Extension with 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.

H. Jason Harmon  
Acting Chief

Operator's Well Number: LONGWELL 3H  
Farm Name: JEFFERY TODD LONGWELL  
U.S. WELL NUMBER: 47-103-03757-00-00  
Horizontal 6A New Drill  
Date Modification Issued: 04/01/2026

Promoting a healthy environment.

04/03/2026

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 Church Hundred  
Operator ID County District Quadrangle

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

3) Farm Name/Surface Owner: Jeffery Todd Longwell Public Road Access: SR-7 Mountaineer Highway

4) Elevation, current ground: 1,435' Elevation, proposed post-construction: 1,435' (built)

5) Well Type (a) Gas  Oil  Underground Storage

Other

(b) If Gas Shallow  Deep

Horizontal

6) Existing Pad: Yes or No Yes

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):  
Marcellus, 7,711', 54', 2,620 psi

8) Proposed Total Vertical Depth: 7,711'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 27,135'

11) Proposed Horizontal Leg Length: 18,628'

12) Approximate Fresh Water Strata Depths: 138', 551', 1,140', 1,147', 1,164'

13) Method to Determine Fresh Water Depths: Offset Wells - 103-30559, 103-00005, 103-00119, 103-30354

14) Approximate Saltwater Depths: 1,366', 1,941', 2,205', 3,329'

15) Approximate Coal Seam Depths: 823'-826', 1,061'-1,064', 1,162'-1,168'

16) Approximate Depth to Possible Void (coal mine, karst, other): X

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

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

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FEB 27 2026  
Department of Environmental Protection

CH# 609976  
2500<sup>00</sup>

18)

**CASING AND TUBING PROGRAM**

<b>TYPE</b>	<u>Size (in)</u>	<u>New or Used</u>	<u>Grade</u>	<u>Weight per ft. (lb/ft)</u>	<u>FOOTAGE: For Drilling (ft)</u>	<u>INTERVALS: Left in Well (ft)</u>	<u>CEMENT: Fill-up (Cu. Ft.)/CTS</u>
Conductor	26	New	A252	85.6	53	53	45 ft^3 / CTS
Fresh Water	13 3/8	New	J-55	54.5	1218	1218	1100 ft^3 / CTS
Coal							
Intermediate	9 5/8	New	J-55	36	2716	2716	1000 ft^3 / CTS
Production	5 1/2	New	P-110	20	27135	27135	500' above intermediate casing
Tubing							
Liners							

<b>TYPE</b>	<u>Size (in)</u>	<u>Wellbore Diameter (in)</u>	<u>Wall Thickness (in)</u>	<u>Burst Pressure (psi)</u>	<u>Anticipated Max. Internal Pressure (psi)</u>	<u>Cement Type</u>	<u>Cement Yield (cu. ft./k)</u>
Conductor	26	30	0.312	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	0.352	3520	2816	Class A/L	1.04 - 1.20
Production	5 1/2	8 1/2	0.361	14360	11488	Class A/H/L	1.04 - 2.10
Tubing							
Liners							

**PACKERS**

Kind:				
Sizes:				
Depths Set:				

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.

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): 16.83 acres

22) Area to be disturbed for well pad only, less access road (acres): 11.78 acres

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: 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.

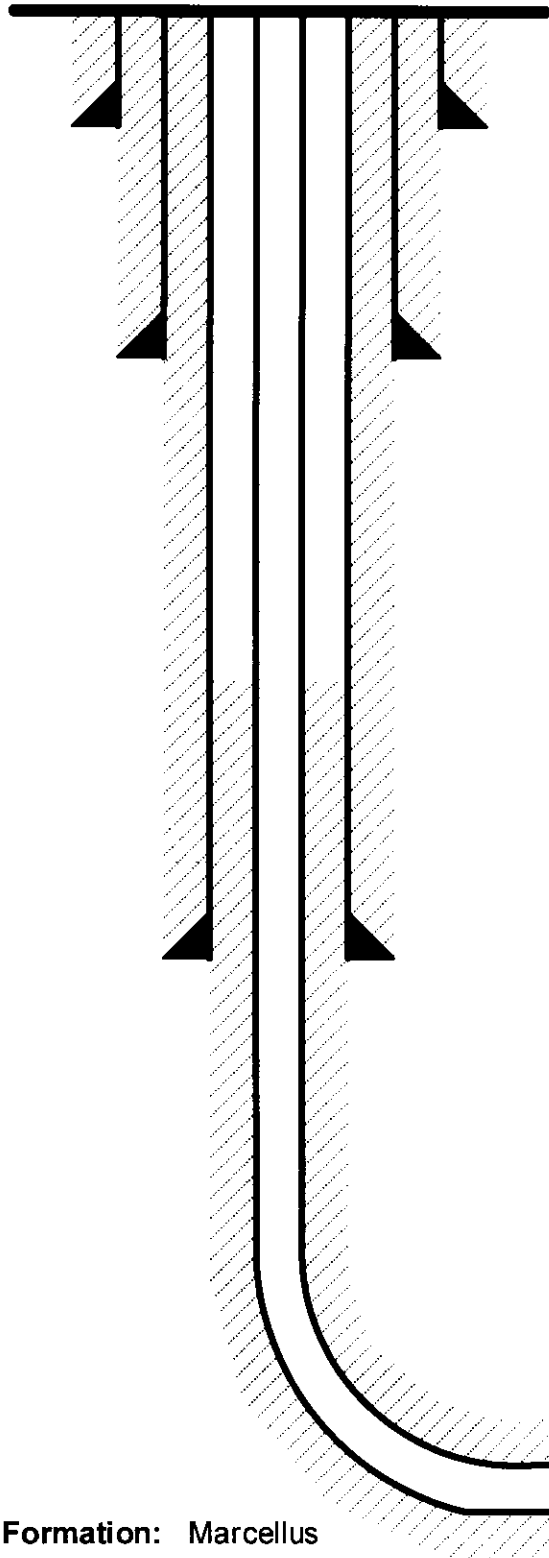
\*Note: Attach additional sheets as needed.

**EQT Production**

**Wellbore Diagram**

Well: Longwell 3H  
Pad: Longwell  
Elevation: 1435' GL 1448' KB

County: Wetzel  
State: West Virginia



**Conductor @ 53'**

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

**Surface @ 1,218'**

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

**Intermediate @ 2,716'**

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

**Production @ 27,135' MD / 7,711' TVD**

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

Formation: Marcellus

WEST VIRGINIA  
DEPARTMENT OF  
FEB 27 2026  
REGISTRATION DIVISION

Stephen Mccoy  
Mccoy  
Digitally signed by Stephen Mccoy  
Date: 2026.02.25 18:07:57 -05'00'

NOT TO SCALE  
04/03/2026

EQT Production  
Hydraulic Fracturing Monitoring Plan  
Pad ID: Longwell  
County: Wetzel

February 26, 2026

RECEIVED  
OFFICE OF THE COMMISSIONER

FEB 27 2026

DEPARTMENT OF ENVIRONMENTAL  
NATURAL & CULTURAL HERITAGE

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## Purpose

The purpose of this pad-specific Hydraulic Fracturing Monitoring Plan is to identify and notify conventional well operators near EQT hydraulic fracturing in Wetzel County, WV prior to hydraulic fracturing at the following EQT wells on the Longwell pad: 3H, 5H, 9H & 11H.

Due to the requirements under 35CSR8 5.11, the permittee is required to review the area surrounding the proposed well pad so as to identify and evaluate potential conduits for unintended fracture propagation.

A report is required to be submitted along with a well work permit application.

The plan is being implemented as an additional safety measure to be utilized in conjunction with existing best management practices and emergency action plans for the site. These additional measures include coordination with well operators of the timing and location of the hydraulic fracturing, establishment of measures well operators should implement, and assurance that the OOG is notified of the timeline, as well as any issues that may arise during fracturing.

### 1. Communications with Well Operators

EQT, using available data (WV Geological Survey, WVDEP website, and IHS data service), has identified all known wells and well operators within 500 feet of this pad and the lateral sections that are known or could reasonably be expected to be within range of the fracture propagation. A map showing these wells along with a list of the wells and operators is included in **Attachment A**.

EQT will notify these operators of the hydraulic fracturing schedule for these wells, and coordinate with them throughout the fracturing process.

EQT will recommend to these operators at a minimum to:

1. Inspect their surface equipment prior to fracturing to establish integrity and establish pre-frac well conditions
2. Observe wells closely during and after fracturing and monitor for abnormal increases in water, gas or pressure
3. Inspect or install master valves or other necessary equipment for wellhead integrity capable of a pressure recommended by EQT
4. Notify the OOG and EQT if any changes in water, gas production, pressure, or other anomalies are identified

### 2. Reporting

EQT will provide information relating to the hydraulic fracturing schedule, communication with other operators, and ongoing monitoring of the work upon request of OOG or immediately in the event of any noted abnormalities.

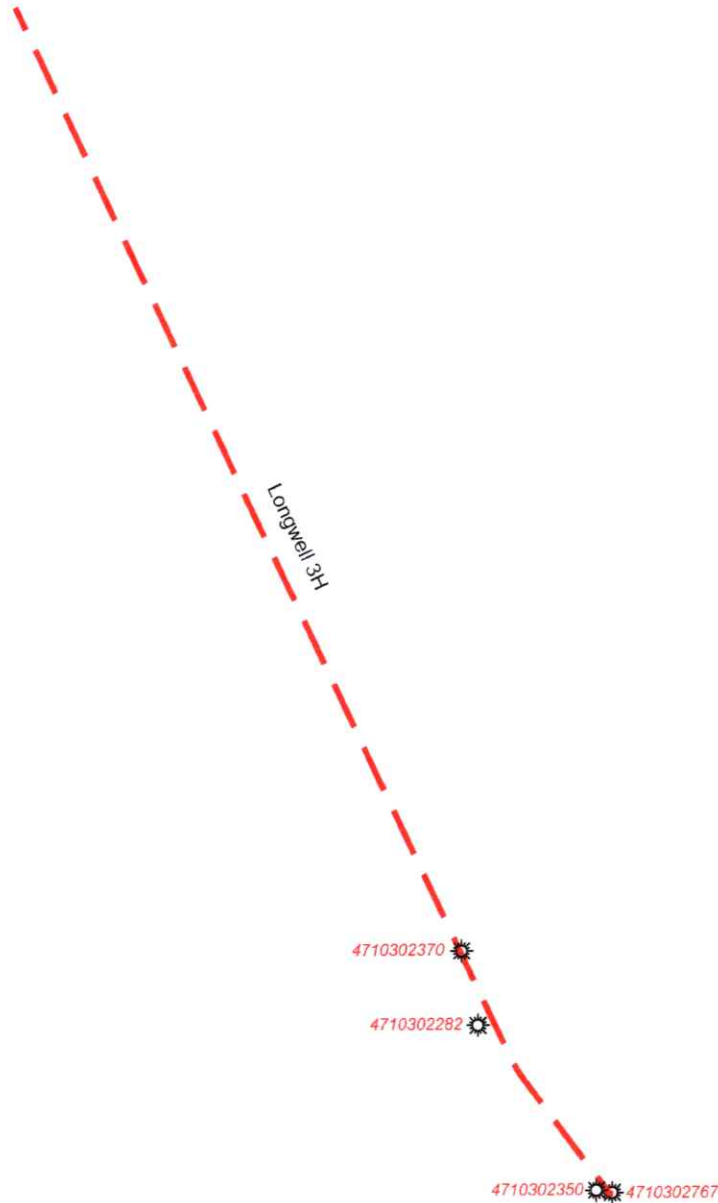
WV DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER

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WV DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER

04/03/2026



EQT Corporation  
2200 Energy Drive  
Canonsburg, PA 15317

Longwell 3H

Vertical Offsets and  
Foreign Laterals  
within 500 Feet

### Legend

Well Lateral\_FM

Formation

- Geneseo
- Marcellus
- Utica



Longwell\_Offset\_Wells

3000 1500 0 3000



Scale: 1 Inch = 3000 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.

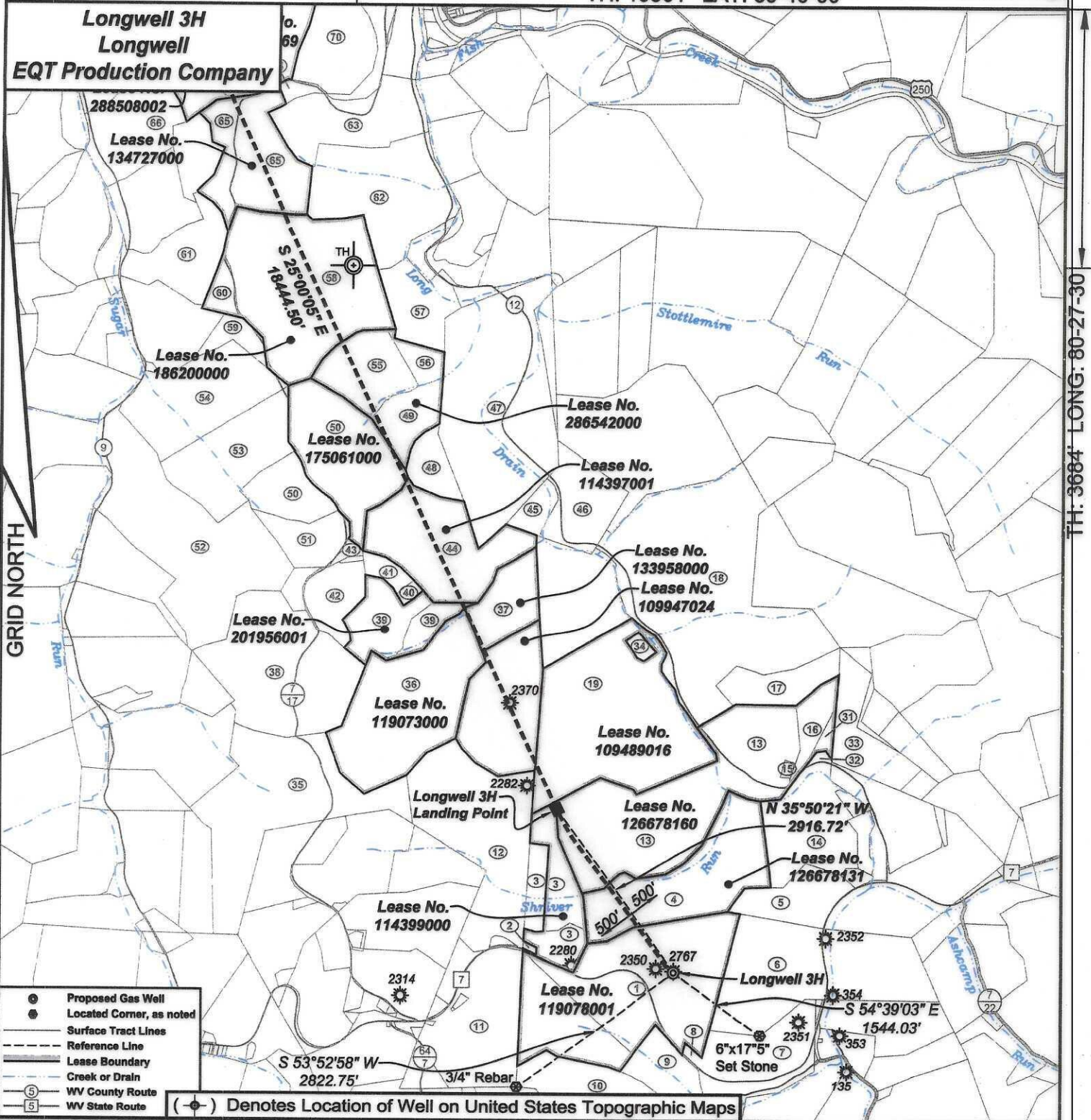
1 Inch = 116,000 Feet



04/03/2026

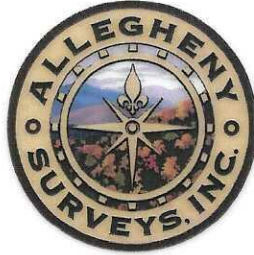
UWI	ABAND_DATE	CURR_OPER	ELEV_RF_CD	FIELD_NAME	FNL_CLASS	LATITUDE	LONGITUDE	OPER_NAME	PROJ_TD	SPUD_DATE	ELEVATION	TOT_DEPTH
02350000C NA		Diversified Production LLC	Ground	Littletn-Sgr Rn	Development Well	39.65659900	-80.49565700	DAC, Inc	3900.00	5/3/2006	1426.00	3660.00
02767000C NA		EQT Production Company	Ground	Littletn-Sgr Rn	Development Well	39.65661500	-80.49512400	Grenadier Energy Partners LLC	7650.00	8/8/2012	1428.00	7820.00
02282000C NA		Diversified Production LLC	Ground	Littletn-Sgr Rn	Development Well	39.66399500	-80.50261800	DAC, Inc	3900.00	9/28/2007	1380.00	3710.00
02370000C NA		Diversified Production LLC	Ground	Littletn-Sgr Rn	Development Well	39.66727600	-80.50332200	DAC, Inc	3900.00	7/15/2008	1277.00	3566.00

TH: 10361' LAT: 39-40-00



- Proposed Gas Well
- Located Corner, as noted
- Surface Tract Lines
- - - Reference Line
- Lease Boundary
- Creek or Drain
- ⑤ WV County Route
- ⑤ WV State Route

(+ ) Denotes Location of Well on United States Topographic Maps



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: 14-24  
 DRAWING NO: Longwell 3H  
 SCALE: 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY: 1:2500  
 PROVEN SOURCE OF ELEVATION: NGS CORS Station

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

DATE: March 03 20 26  
 OPERATOR'S WELL NO.: Longwell 3H  
 API WELL NO  
 47 - 103 - 03757  
 STATE COUNTY PERMIT

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
 (IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW  
 LOCATION: ELEVATION: As-Built: 1435' WATERSHED Long Drain of West Virginia Fork Fish Creek QUADRANGLE: Hundred  
 DISTRICT: Church COUNTY: Wetzel 04/03/2026  
 SURFACE OWNER: Jeffery Todd Longwell ACREAGE: 106.50  
 ROYALTY OWNER: Jeffery Todd Longwell, et al LEASE NO: 119078001 ACREAGE: 106.50  
 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: 7,711'

WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Joseph C. Mallow  
 ADDRESS: 2200 Energy Drive ADDRESS: 427 Midstate Drive  
 Canonsburg, PA 15317 Clarksburg, WV 26301

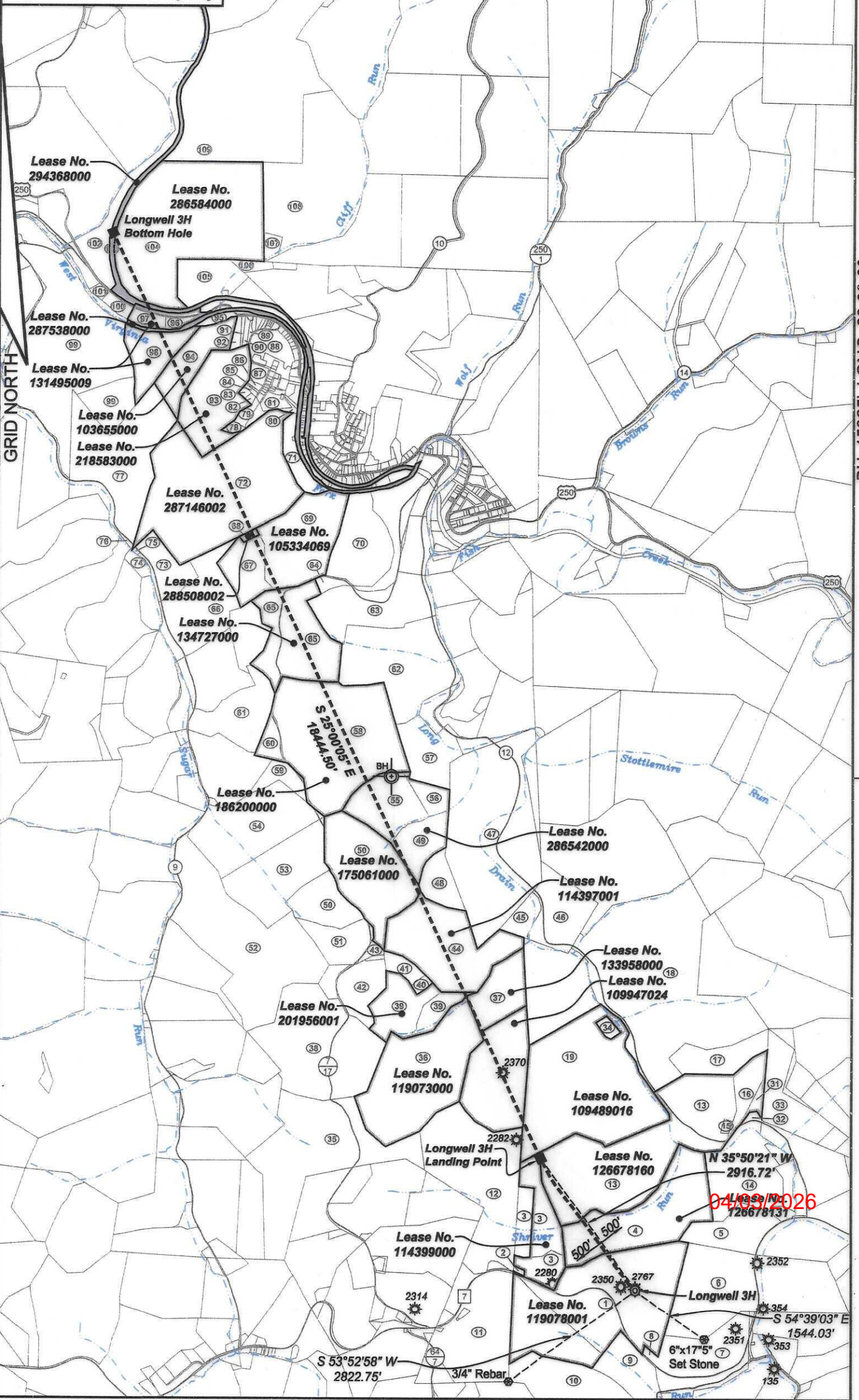
BH: 8344' LAT: 39-45-00

**Longwell 3H  
Longwell  
EQT Production Company**

Pennsylvania  
West Virginia

GRID NORTH

BH: 15065' LONG: 80-30-00

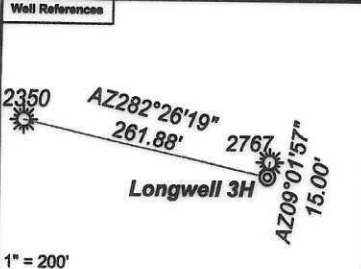


04/03/2026

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**Longwell 3H**  
**Longwell**  
**EQT Production Company**

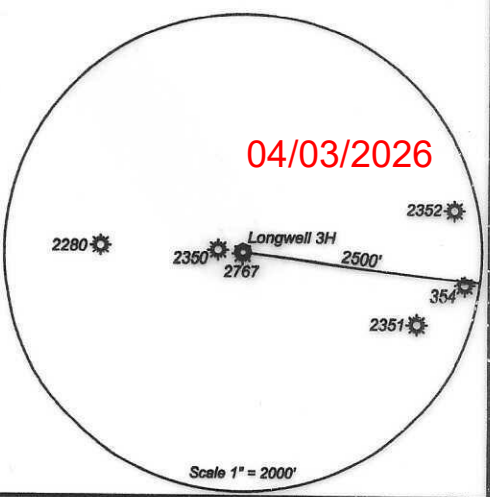
Tract I.D.	Tax Map No.	Parcel No.	County	District	Surface Tract Owner	Acres
1	10	13	Welzel	Church	Jeffery T. Longwell	106.5
2	10	14	Welzel	Church	Connie Harris & Penny I. Solo	0.5
3	10	4	Welzel	Church	Lele J. LeMasters	33.09
4	10	5	Welzel	Church	Bruce & Linda Garrison	61.5
5	6	20	Welzel	Church	Larry V. Watson, et al	17.86
6	10	15	Welzel	Church	Charles L. Miller	90
7	10	23	Welzel	Church	John R. Rice	33
8	10	22	Welzel	Church	Hill Hill Chapel	1.6
9	10	21	Welzel	Church	Charles L. Matthews	28
10	10	20	Welzel	Church	Catherine Roberts, et al.	50
11	10	12	Welzel	Church	Harriet I. Hustin	56.32
12	7	19	Welzel	Clay	McLach Land LLC	73.211
13	6	23	Welzel	Church	Bruce & Linda Garrison	124
14	6	25	Welzel	Church	Larry V. Watson, et al	40.83
15	6	24	Welzel	Church	Shriver Cemetery	0.88
16	6	12	Welzel	Church	Edward M. Haldout, et al.	9.04
17	7	11	Welzel	Clay	Edward M. Haldout, et al	20.5
18	7	8	Welzel	Clay	Paul R. Curry, et al.	130
19	7	12	Welzel	Clay	Wilda M. Church & Peggy Brown	209.35
31	6	13	Welzel	Church	Edward M. Baldauf, et al.	2.9
32	6	14.1	Welzel	Church	Edward M. Baldauf, et al.	1.24
33	6	15	Welzel	Church	Edward M. Haldout, et al.	24.5
34	7	12.1	Welzel	Clay	Wilda Church	2.15
35	7	17	Welzel	Clay	Robin Ull	90.5
36	7	14	Welzel	Clay	Ridgetop Appalachia LLC	05.25
37	7	13	Welzel	Clay	Howard W. Helrish, Jr	24.5
38	7	16	Welzel	Clay	Tyler Wilkes	89
39	7	15	Welzel	Clay	Larry Majoris & Steve Armstrong	32.4
40	7	15.2	Welzel	Clay	Stephen Armstrong	1.7
41	7	15.1	Welzel	Clay	Peter Parker	4.74
42	7	2	Welzel	Clay	Peter Parker	8.5
43	7	2.1	Welzel	Clay	Howard W. Helrish, Jr	2
44	7	4	Welzel	Clay	Howard W. Helrish, Jr.	52.5
45	7	6	Welzel	Clay	Stephen T. Varner	7
46	7	7	Welzel	Clay	William A. Myers II	24.8
47	7	18	Welzel	Clay	Stephen T. Varner	115.3
48	7	5	Welzel	Clay	Stephen T. Varner	12.8
49	4	50.1	Welzel	Clay	Richard I. Wise	23.05
50	7	3	Welzel	Clay	Morris Family Irrevocable Trust	71.3
51	7	2.5	Welzel	Clay	Howard W. Schmitt	15.52
52	6	6	Welzel	Clay	Bernard W. Schmitt	107
53	7	1	Welzel	Clay	Friars of The Atonement Inc.	43
54	4	5.1	Welzel	Clay	Friars of The Atonement Inc.	61.5
55	4	50	Welzel	Clay	Richard L. Wise	28.2
56	4	49	Welzel	Clay	Jack & Linda Mason	7.46
57	4	33	Welzel	Clay	Jack & Linda Mason	19.08
58	4	32	Welzel	Clay	Coastal Forest Resources Company	92
59	4	31	Welzel	Clay	Brian K. Britton	10
60	4	32.1	Welzel	Clay	Goldie M. Britton	8
61	4	29	Welzel	Clay	Goldie M. Britton	26
62	4	25	Welzel	Clay	Ralph M. Crouse	56.5
63	4	26	Welzel	Clay	Susan J. Minor	38.3
64	4	27	Welzel	Clay	Susan J. Minor	3.3
65	4	28	Welzel	Clay	Susan J. Minor	51.3
66	5	16	Welzel	Clay	Carolyn I. Shipman, et al	44.5
67	4	2	Welzel	Clay	Bradley A. Calp	16.9
68	4	2.1	Welzel	Clay	Bradley A. Calp	1
69	4	3	Welzel	Clay	Bradley A. Calp	42.5
70	4	4	Welzel	Clay	Mike Ross Inc.	48.5
71	2L	66	Welzel	Clay	Kenneth C. Shreve, et al.	17
72	4	1	Welzel	Clay	Gregory H. Null	116.3
73	5	15	Welzel	Clay	Charles H. & Penny J. Hamilton	15.58
74	5	10	Welzel	Clay	EOT Gathering LLC	1.59
75	5	15.1	Welzel	Clay	Carl H. & Sharon Marshall	0.175
76	5	13	Welzel	Clay	Lee Booth, et al.	1
77	5	14	Welzel	Clay	Robert P. Roberts	65
78	4	54	Welzel	Clay	Larry A. Moore	1
79	4	56	Welzel	Clay	Robert W. Carrison	2.17
80	1L	24	Welzel	Clay	Catherine Hamilton	1.79
81	11	25	Welzel	Clay	William A. McGilumphy, et al	3.25
82	8	15	Welzel	Clay	Rita Roberts	0.51
83	8	16	Welzel	Clay	EDTB Corporation	0.68
84	8	14	Welzel	Clay	Ananias A. Herby	0.42
85	8	12	Welzel	Clay	Robert W. Carrison	0.17
86	8	11	Welzel	Clay	Christine Robinson, et al.	0.564
87	11	16	Welzel	Clay	Robert P. Roberts	2.0825
88	2	53	Welzel	Clay	Rita Roberts	7
89	8	28	Welzel	Clay	Candy Simms, et al.	0.43
90	8	27	Welzel	Clay	Candy Simms, et al	0.944
91	8	28.1	Welzel	Clay	Jamie L. Nolan, et al.	0.57
92	8	28	Welzel	Clay	Jamie L. Nolan, et al.	1.93
93	2	56	Welzel	Clay	Rita Roberts	37.9
94	2	55.2	Welzel	Clay	Robert J. & Sylvia Schurr	37.28
95	2	55.1	Welzel	Clay	Gianna J. McJougat	2.721
96	2	29	Welzel	Clay	William I. Wharton	4.1
97	2	27	Welzel	Clay	William L. Wharton	8
98	2	28	Welzel	Clay	William I. Wharton	20
99	2	24	Welzel	Clay	Cora Hix	147.35
100	2	26	Welzel	Clay	Evelyn L. Wharton	3.4
101	2	25.1	Welzel	Clay	Bradley Estelle Estelle	1.24
102	2	21	Welzel	Clay	Eric M. Wade, et al.	11.62
103	2	83	Welzel	Clay	CNX Land LLC	61.94
104	2	20	Welzel	Clay	Kevin N. Soles, et al.	137.2
105	2	31	Welzel	Clay	Tamara Fischer-Sprows, et al.	20
106	2	32	Welzel	Clay	Tamara Fischer Sprows	2.2
107	2	19.1	Welzel	Clay	Kevin N. Soles	3
108	2	19	Welzel	Clay	Donna D. Soles	101.4
109	2	6	Welzel	Clay	Sarah F. Fitzgerald Estate, et al.	180



**Notes:**  
 Longwell 3H coordinates are  
 NAD 27 N: 422,793.88 E: 1,719,824.11  
 NAD 27 Lat: 39.662992 Long: -80.495132  
 NAD 83 UTM N: 4,389,770.18 E: 543,327.35  
 Longwell 3H Landing Point coordinates are  
 NAD 27 N: 425,158.35 E: 1,718,116.33  
 NAD 27 Lat: 39.662992 Long: -80.501291  
 NAD 83 UTM N: 4,390,481.86 E: 542,795.06  
 Longwell 3H Bottom Hole coordinates are  
 NAD 27 N: 441,874.56 E: 1,710,320.94  
 NAD 27 Lat: 39.708640 Long: -80.529659  
 NAD 83 UTM N: 4,395,534.94 E: 540,335.19  
 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.

- Longwell 11H
- Longwell 9H
- Longwell 7H
- Longwell 5H
- Longwell 1H
- Longwell 3H

Lease No.	Owner	Acres
119078001	Jeffery Todd Longwell, et al.	106.5
126678131	Nancy Dawn Cosgray, et al.	61.5
126678160	Stone Hill Mineral Holdings, LLC, et al.	194
114399000	Albert B. Yost, II, et al.	21.30
109489016	Peggy Church Brown, et al.	170
109947024	Liberty Holding Company	38.50
133958000	Liberty Holding Company	24.50 of 97.71
119073000	RT Fin 2023 LLC	85.25
201956001	BRRM, LLC, et al.	32.8375
114397001	Thomas J. Iacoboni, Trustee of the Thomas J. Iacoboni Revocable Trust Agreement, dated 5/15/2018, et al.	52.50
175061000	OXY USA, Inc., et al.	51.75 of 31,151.581
286542000	Liberty Holding Company	58.71
186200000	Three Rivers Royalty, II, LLC, et al.	126.82 of 250
134727000	Ronald K. Minor, et al.	48
105334069	Bounty Minerals, LLC, et al.	59.40 of 464.95
288508002	Frances Jean Higgins, et al.	1
287146002	William J. Grottendieck, III, et al.	116.25
218583000	Bounty Minerals, LLC, et al.	37.90
103655000	EQT Production Company, et al.	37.28
131495009	Three Rivers Royalty II, LLC, et al.	28.2375
287538000	West Virginia Division of Natural Resources	17.084151 of 38.187
294368000	CNX Gas Company, LLC	60.45
286584000	Ridgetop Appalachia, LLC	137.425



4710303757

**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				


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 DEPARTMENT OF ENVIRONMENTAL POLICE  
 OFFICE OF OIL AND GAS

**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

Lease No.	Grantor, Lessor, etc.	Acres	Grantee, Lessee, etc.	Royalty	Book/Page
	<b>Jeffery Todd Longwell, et al</b>			"at least 1/8th per WV Code 22-6-8"	
119078001	Kathy Lee Longwell Drilling Appalachian Corporation Grenadier Energy Partners, LLC Drilling Appalachian Corporation Grenadier Energy Partners, LLC Drilling Appalachian Corporation Statoil USA Onshore Properties Inc.	106.5 ac	Drilling Appalachian Corporation Grenadier Energy Partners, LLC Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. EQT Production Company		OG 90A/182 OG 124A/9 OG 138A/1 OG 138A/54 OG 153A/695 OG 153A/640 OG 175A/707
	<b>Nancy Dawn Cosgray, et al</b>			"at least 1/8th per WV Code 22-6-8"	
126678131	Nancy Cosgray, a single woman Drilling Appalachian Corporation Grenadier Energy Partners, LLC Drilling Appalachian Corporation Grenadier Energy Partners, LLC Drilling Appalachian Corporation Statoil USA Onshore Properties Inc.	61.5 ac	Drilling Appalachian Corporation Grenadier Energy Partners, LLC Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. EQT Production Company		OG 134A/671 OG 135A/541 OG 138A/1 OG 138A/54 OG 153A/695 OG 153A/640 OG 175A/707
	<b>Stone Hill Mineral Holdings, LLC, et al</b>			"at least 1/8th per WV Code 22-6-8"	
126678160	Stone Hill Mineral Holdings, LLC TH Exploration, LLC	194 ac	TH Exploration, LLC EQT Production Company		OG 252A/369 OG 289A/811
	<b>Albert B. Yost, II, et al</b>			"at least 1/8th per WV Code 22-6-8"	
114399000	Kimeric & Company Drilling Appalachian Corporation Grenadier Energy Partners, LLC Drilling Appalachian Corporation Grenadier Energy Partners, LLC Drilling Appalachian Corporation Statoil USA Onshore Properties Inc.	21.30 ac	Drilling Appalachian Corporation Grenadier Energy Partners, LLC Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. EQT Production Company		OG 88A/698 OG 124A/9 OG 138A/1 OG 138A/54 OG 153A/695 OG 153A/640 OG 175A/707
	<b>Peggy Church Brown, et al</b>			"at least 1/8th per WV Code 22-6-8"	
109489016	Peggy Brown Drilling Appalachian Corporation Grenadier Energy Partners, LLC Drilling Appalachian Corporation Grenadier Energy Partners, LLC Drilling Appalachian Corporation Statoil USA Onshore Properties Inc.	170 ac	Drilling Appalachian Corporation Grenadier Energy Partners, LLC Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. EQT Production Company		OG 127A/429 OG 124A/9 OG 138A/1 OG 138A/54 OG 153A/695 OG 153A/640 OG 175A/707
	<b>Liberty Holding Company</b>			"at least 1/8th per WV Code 22-6-8"	
109947024	Liberty Holding Company Drilling Appalachian Corporation Grenadier Energy Partners, LLC Drilling Appalachian Corporation	38.50 ac	Drilling Appalachian Corporation Grenadier Energy Partners, LLC Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc.		OG 91A/142 OG 124A/9 OG 138A/1 OG 138A/54

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Grenadier Energy Partners, LLC  
Drilling Appalachian Corporation  
Statoil USA Onshore Properties Inc.

Statoil USA Onshore Properties Inc.  
Statoil USA Onshore Properties Inc.  
EQT Production Company

OG 153A/695  
OG 153A/640  
OG 175A/707

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

**Liberty Holding Company**

24.50 ac  
of 97.71 ac

133958000

Liberty Holding Company  
Drilling Appalachian Corporation  
Grenadier Energy Partners, LLC  
Drilling Appalachian Corporation  
Grenadier Energy Partners, LLC  
Drilling Appalachian Corporation  
Statoil USA Onshore Properties Inc.

Drilling Appalachian Corporation  
Grenadier Energy Partners, LLC  
Statoil USA Onshore Properties Inc.  
Statoil USA Onshore Properties Inc.  
Statoil USA Onshore Properties Inc.  
Statoil USA Onshore Properties Inc.  
EQT Production Company

OG 127/244  
OG 124A/9  
OG 138A/1  
OG 138A/54  
OG 153A/695  
OG 153A/640  
OG 175A/707

**RT Fin 2023 LLC**

119073000

Charlotte Rose George  
Charlotte Rose George  
Drilling Appalachian Corporation  
Grenadier Energy Partners  
Drilling Appalachian Corporation  
Grenadier Energy Partners, LLC  
Drilling Appalachian Corporation  
Statoil USA Onshore Properties

85.25 ac

Drilling Appalachian Corporation  
Drilling Appalachian Corporation  
Grenadier Energy Partners  
Statoil USA Onshore Properties  
Statoil USA Onshore Properties Inc.  
Statoil USA Onshore Properties Inc.  
Statoil USA Onshore Properties Inc.  
EQT Production Company

OG 90A/532  
OG 103A/425  
OG 124A/9  
OG 138A/1  
OG 138A/54  
OG 153A/695  
OG 153A/640  
OG 175A/707

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

*Amendment to include pooling*

**Jamie Joe Prine, et al**

201956001

Lloyd Joe Prine  
Drilling Appalachian Corporation  
Grenadier Energy Partners  
Drilling Appalachian Corporation  
Grenadier Energy Partners, LLC  
Drilling Appalachian Corporation  
Statoil USA Onshore Properties

32.8375 ac

Drilling Appalachian Corporation  
Grenadier Energy Partners  
Statoil USA Onshore Properties  
Statoil USA Onshore Properties Inc.  
Statoil USA Onshore Properties Inc.  
Statoil USA Onshore Properties Inc.  
EQT Production Company

OG 130A/386  
OG 132A/589  
OG 138A/1  
OG 138A/54  
OG 153A/695  
OG 153A/640  
OG 175A/707

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

**Thomas J. Iacoboni, Trustee of the Thomas J. Iacoboni Revocable Trust Agreement, dated 5/15/2018, et al**

114397001

Thomas J. Iacoboni, a married man dealing in his sole and separate property  
Drilling Appalachian Corporation  
Grenadier Energy Partners  
Drilling Appalachian Corporation  
Grenadier Energy Partners, LLC  
Drilling Appalachian Corporation  
Statoil USA Onshore Properties

52.50 ac

Drilling Appalachian Corporation  
Grenadier Energy Partners  
Statoil USA Onshore Properties  
Statoil USA Onshore Properties Inc.  
Statoil USA Onshore Properties Inc.  
Statoil USA Onshore Properties Inc.  
EQT Production Company

OG 86A/414  
OG 124A/9  
OG 138A/1  
OG 138A/54  
OG 153A/695  
OG 153A/640  
OG 175A/707

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

**OXY USA, Inc., et al**

175061000

BRC Appalachian Minerals I LLC &  
BRC Appalachian Minerals I, LLC  
BRC Appalachian Minerals I, LLC

51.75 ac of  
31,151.581 ac

BRC Working Interest Company LLC

OG 102A/505

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

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	BRC Minerals LP BRC Working Interest Company, LLC Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties, Inc. SWN Exchange Titleholder, LLC SWN Production Company, LLC Statoil USA Onshore Properties, Inc. Antero Exchange Properties, LLC Antero Resources Corporation		BRC Working Interest Company, LLC Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties, Inc. SWN Production Company, LLC SWN Exchange Titleholder, LLC SWN Production Company, LLC Antero Exchange Properties, LLC Antero Exchange Properties, LLC Antero Resources Corporation EQT Production Company	OG 103A/320 OG 103A/470 OG 120A/109 OG 157A/540 OG 158A/801 Corp. Book 13/296 OG 177A/533 OG 177A/738 Corp. Book 13/311 OG 324A/748
				"at least 1/8th per WV Code 22-6-8"
✓ 286542000	<b>Liberty Holding Company</b> Liberty Holding Company SWN Production Company, LLC and Equinor USA Onshore Properties, Inc.	58.71 ac	SWN Production Company, LLC  EQT Production Company	OG 320A/937  OG 415A/536
				"at least 1/8th per WV Code 22-6-8"
✓ 186200000	<b>Three Rivers Royalty, II, LLC, et al</b> J.W. and S.A. Newman South Penn Oil Company Hope Natural Gas Company  Consolidated Gas Supply Corporation  Consolidated Gas Transmission Corporation CNG Transmission Corporation Dominion Transmission, Inc. CONSOL Energy Holdings LLC VI CONSOL Energy Holdings LLC XVI CONSOL Gas Company CNX Gas Company, LLC Noble Energy, Inc. Noble Energy, Inc. HG Energy II Appalachia, LLC Antero Resources Corporation	126.82 ac of 250 ac	South Penn Oil Company Hope Natural Gas Company Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation CNG Transmission Corporation Dominion Transmission, Inc. CONSOL Energy Holdings LLC VI CONSOL Energy Holdings XVI CONSOL Gas Company CNX Gas Company LLC Noble Energy, Inc. HG Energy II Appalachia, LLC HG Energy II Appalachia, LLC Antero Resources Corporation EQT Production Company	OG 44/500 OG 9A/230 DB 233/387  OG 66A/69  Corp 13/151 Corp 13/158 MR 96/307 MR 96/307 Corp 13/114 MR 96/307 OG 126A/486 OG 203A/664 OG 209A/141 OG 256A/882 OG 269A/533
✓ 134727000	<b>Ronald K. Minor, et al</b> Ronald K. Minor	48 ac	EQT Production Company	OG 201A/383
				"at least 1/8th per WV Code 22-6-8"
✓ 105334069	<b>Bounty Minerals, LLC, et al</b> CBC Holdings, LLC Drilling Appalachian Corporation Statoil USA Onshore Properties	59.40 ac of 464.95 ac	Drilling Appalachian Corporation Statoil USA Onshore Properties EQT Production Company	OG 113A/946 OG 153A/640 OG 175A/707
✓ 288508002	<b>Frances Jean Higgins, et al</b> Frances Jean Higgins	1 ac	EQT Production Company	OG 423A/90

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287146002	<u>William J. Grottendieck, III, et al</u> Virginia Grottendieck, Conservator for the Estate of William J. Grottendieck, III	116.25 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 429A/655
218583000	<u>Bounty Minerals, LLC, et al</u> Bounty Minerals, LLC CNX Gas Company, LLC	37.90 ac	CNX Gas Company, LLC EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 274A/624 OG 434A/733
103655000	<u>EQT Production Company, et al</u> LOLA Drilling I, LLC	37.28 ac	Rice Drilling B, LLC	"at least 1/8th per WV Code 22-6-8"	DB 458/753
131495009	<u>Three Rivers Royalty II, LLC, et al</u> Ronald H. Wharton et ux Antero Resources Corporation	28.2375 ac	Antero Resources Corporation EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 182A/179 OG 231A/22
287538000	<u>West Virginia Division of Natural Resources</u> West Virginia Division of Natural Resources	17.084151 ac of 38.187 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 424A/155
294368000	<u>CNX Gas Company, LLC</u> CSX Transportation, Inc., successor to The Chesapeake and Ohio Railway Company, successor to The Baltimore and Ohio Railroad Company, et al Consolidation Coal Company CNX Gas Company, LLC	60.45 ac	Consolidation Coal Company CNX Gas Company, LLC EQT Production Company	"at least 1/8th per WV Code 22-6-8"	DB 324/211 DB 400/1 434A/719
286584000	<u>Ridgetop Appalachia, LLC</u> Ridgetop Appalachia, LLC SWN Production Company, LLC and Equinor USA Onshore Properties, Inc.	137.425 ac	SWN Production Company, LLC  EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 320A/652  OG 415A/536

Force Pooled Tract(s) Within Lease Boundaries

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WV Department of  
Natural Resources



February 26, 2026

Mr. Taylor Brewer  
West Virginia Department of Environmental Protection  
Office of Oil and Gas  
601 57th Street SE  
Charleston, WV 25304

Re: Longwell 3H 6A1 Addendum

Dear Mr. Brewer,

This letter and supporting documentation serve as EQT Production Company's addendum to the WW-6A1 form associated with this well. The lease included on this addendum is a lease in which EQT "claims the right to extract, produce or market the oil or gas", but does not propose to encounter the lease with the proposed wellbore. EQT would like to report this lease as part of our Well Work Permit Application, as it is located within 50' of our proposed permitted wellbore.

If EQT does encounter this lease, an application for a permit modification will be filed with the West Virginia DEP, Office of Oil and Gas.

If you have any questions, please do not hesitate to contact me at 724-250-0180 or [OPishioneri@eqt.com](mailto:OPishioneri@eqt.com)

Sincerely,

A handwritten signature in blue ink, appearing to read 'Olivia Wilson'.

Olivia Wilson  
Project Specialist - Permitting

Enc.

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Environmental Protection

04/03/2026

WW-6A1 attachment

Operator's Well No.

Longwell 3H

Lease No.	Grantor, Lessor, etc.	Acres	Grantee, Lessee, etc.	Royalty	Book/Page
<u>296806000</u>	<u>Ridgewood Development, LLC</u> Ridgewood Development, LLC	12.75 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 445/611

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**Longwell 3H**  
**EQT Production Company**  
 "Detail of Lease No. 296806000"

Lease No.  
 286542000

Lease No.  
 296806000

Lease No.  
 175061000

Proposed Well Bore

47.36'

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 Environmental Protection



Scale: 1 Inch = 50 Feet



Lease No.  
 114397001

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

DRAWING NO: 3H Adendum  
 Lease 296806000.dwg

RESEARCH: NA

PROJECT NO: 14-34-C-24

SURVEYED: NA

PREPARED: January 27, 2026

FIELD CREW: NA

Sheet 1 of 1

DRAWN BY: Tim Rutledge



February 26, 2026

Via FedEx Overnight Delivery

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

RE: Horizontal Well Work Permit Application Modification  
Longwell 3H  
Church & Clay District, Wetzel County, WV

WVDEP Recipient,

Attached please find the Well Work Permit Application for the well referenced above. You will find the following included with this submittal:

- Check in the amount of \$2,500.00 for H6A well permit fee
- Completed WW-6B and supporting documents, approved by the O&G Inspector
- Well Location Plat
- Completed Form WW-6A1 and supporting documentation
- Hydraulic Fracturing Monitoring Plan
- Offset Well Map and Table

EQT is proposing to extend this lateral from the previously permitted length. Please note that EQT is planning to utilize force pooling & has applications currently pending commission review.

EQT trusts that if any portion of the submitted documentation is found to be inadequate for processing, 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,

Olivia Wilson  
Project Specialist – Permitting  
[OPishioneri@eqt.com](mailto:OPishioneri@eqt.com)  
724-250-0180

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