



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, 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 11H
47-103-03760-00-00

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.

H. Jason Harmon
Acting Chief

Operator's Well Number: LONGWELL 11H
Farm Name: JEFFERY TODD LONGWELL
U.S. WELL NUMBER: 47-103-03760-00-00
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: 11H 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 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, 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: 23,997'

11) Proposed Horizontal Leg Length: 14,932'

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 X

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

Depth: _____

Seam: _____

Owner: _____

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Office of Oil and Gas
FEB 27 2026
West Virginia Department of
Environmental Protection

OW# 609980
2500'00"

18)

CASING AND TUBING PROGRAM

TYPE	<u>Size (in)</u>	<u>New or Used</u>	<u>Grade</u>	<u>Weight per ft. (lb/ft)</u>	<u>FOOTAGE: For Drilling (ft)</u>	<u>INTERVALS: Left in Well (ft)</u>	<u>CEMENT: Fill-up (Cu. Ft.)/CTS</u>
Conductor	26	New	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	23997	23997	500' above intermediate casing
Tubing							
Liners							

TYPE	<u>Size (in)</u>	<u>Wellbore Diameter (in)</u>	<u>Wall Thickness (in)</u>	<u>Burst Pressure (psi)</u>	<u>Anticipated Max. Internal Pressure (psi)</u>	<u>Cement Type</u>	<u>Cement Yield (cu. ft./k)</u>
Conductor	26	30	0.312	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:							

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State of Colorado

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Environmental Protection

04/03/2026

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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STATE OF OHIO

FEB 27 2026

Oil Department
Geological Survey

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

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.

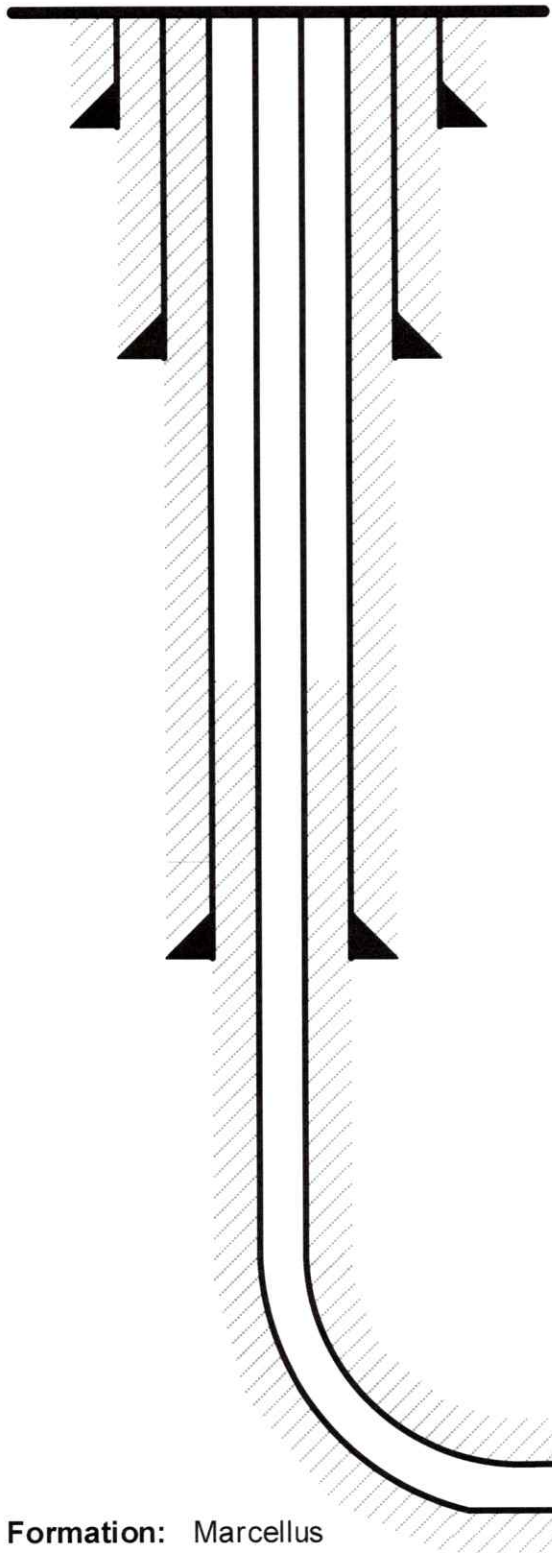
*Note: Attach additional sheets as needed.

EQT Production

Wellbore Diagram

Well: Longwell 11H
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 @ 23,997' MD / 7,711' 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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Office of CI and D
FEB 27 2026
WV Department of
Environmental Protection

Stephen Mccoy

Digitally signed by
Stephen Mccoy
Date: 2026.02.25 18:03:39
-05'00'

NOT TO SCALE
04/03/2026

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

RECEIVED
STATE OF WEST VIRGINIA
FEB 27 2026
WV Department of
Environmental Protection

February 26, 2026

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.

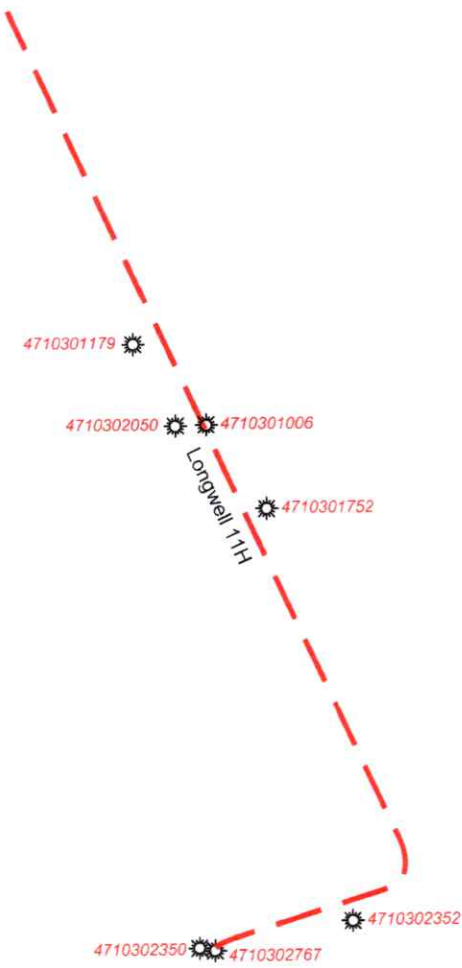
EQT will recommend to these operators at a minimum to:

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.

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EQT Corporation
2200 Energy Drive
Canonsburg, PA 15317

Longwell 11H

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

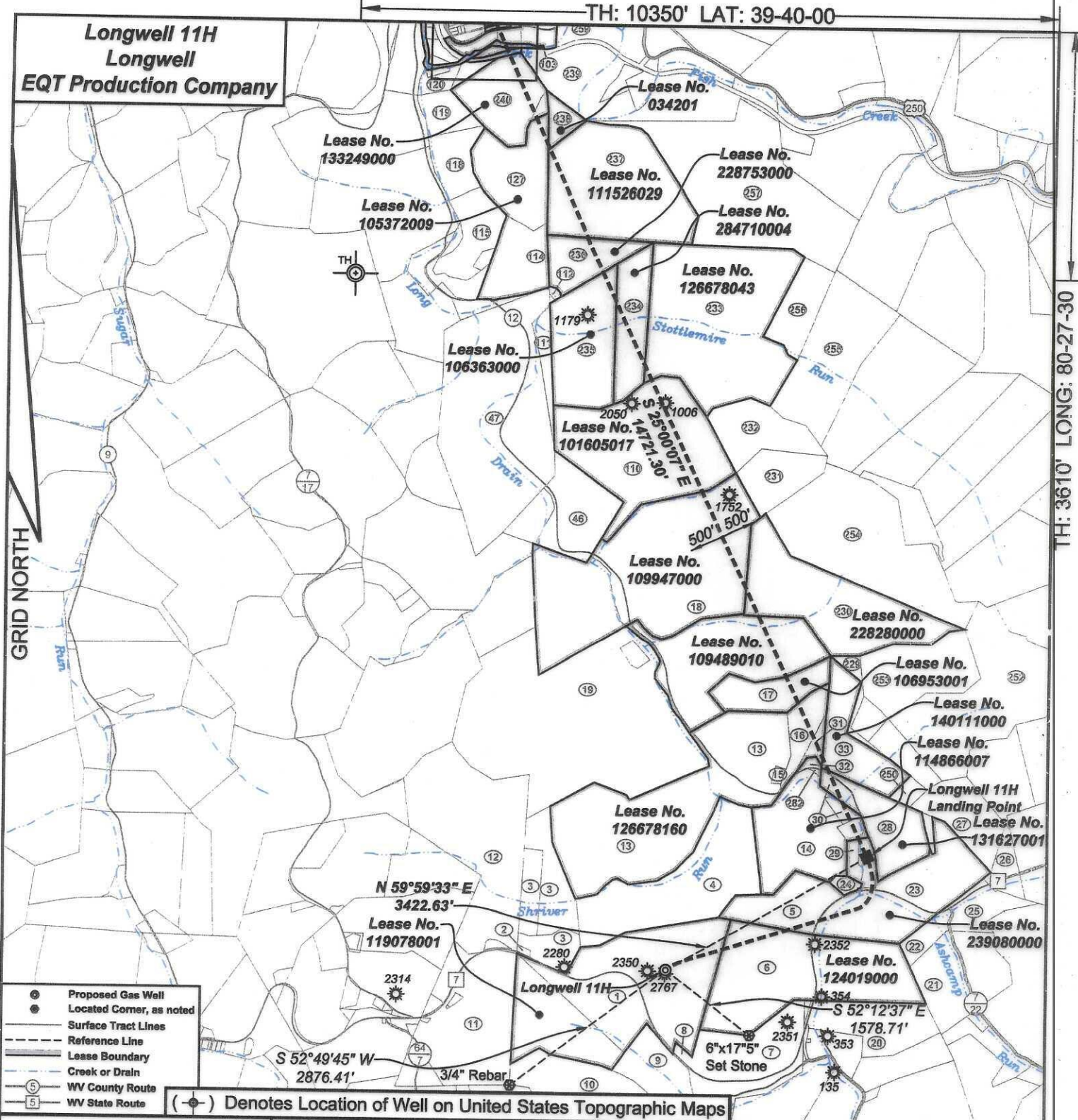


04/03/2026

UWI	ABAND_DATE	CURR_OPER	ELEV_RF_CD	FIELD_NAME	FNL_CLASS	LATITUDE	LONGITUDE	OPER_NAME	PROJ_TD	SPUD_DATE	ELEVATION	TOT_DEPTH
023500000C 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
027670000C NA		EQT Production Company	Ground	Littletn-Sgr Rn	Development Well	39.656615	-80.495124	Grenadier Energy Partners LLC	7650.00	8/8/2012	1428.00	7820.00
023520000C NA		Diversified Production LLC	Ground	Littletn-Sgr Rn	Development Well	39.657904	-80.487027	DAC, Inc	3900.00	6/13/2008	1013.00	3320.00
017520000C NA		Clowser Well Service Inc	Ground	NA	unclassified	39.676196	-80.492106	Clowser Well Service	NA	9/30/1998	1276.00	NA
010060000C	9/1/2009	East Resources, Inc	Ground	NA	unclassified	39.678908	-80.494606	East Resources, Inc	NA	8/18/2009	1326.00	NA
020500000C NA		Diversified Production LLC	Ground	Littletn-Sgr Rn	Unsuccessful	39.67985	-80.497357	Dynatec Energy, Inc	976.00	10/23/2004	1141	1485.00
011790000C NA		Pillar Energy, LLC	NA	Unnamed	unclassified	unknown	unknown	Tri County Oil and Gas	NA	NA	NA	NA

TH: 10350' LAT: 39-40-00

Longwell 11H
Longwell
EQT Production Company



- 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 11H
 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 11H
 API WELL NO
 47 - 103 - 03760
 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 and Clay COUNTY: Wetzel
 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'

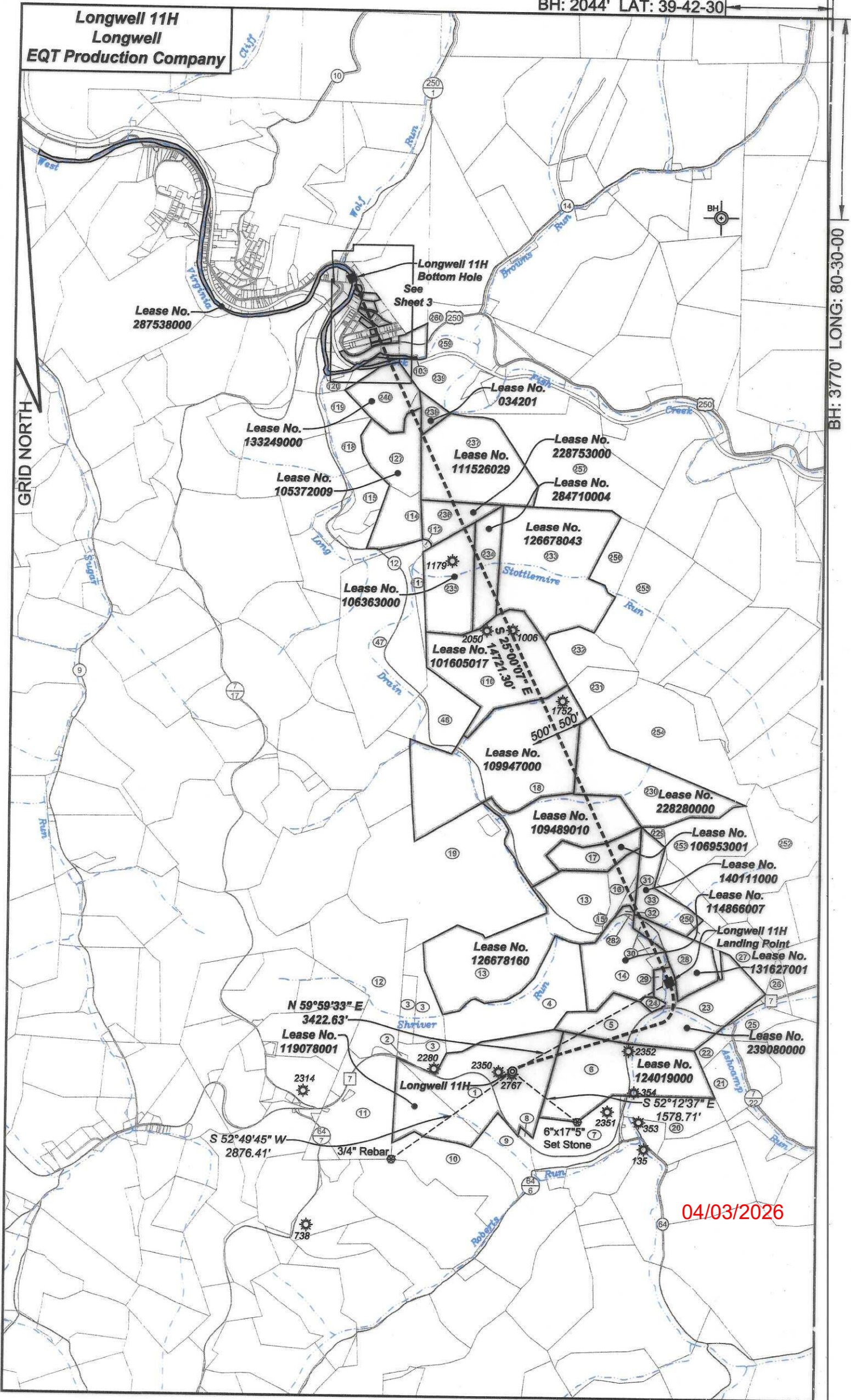
WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Joseph C. Mallow
 ADDRESS: 2200 Energy Drive ADDRESS: 427 Midstate Drive
 Canonsburg, PA 15317 Clarksburg, WV 26301

04/03/2026

Longwell 11H
Longwell
EQT Production Company

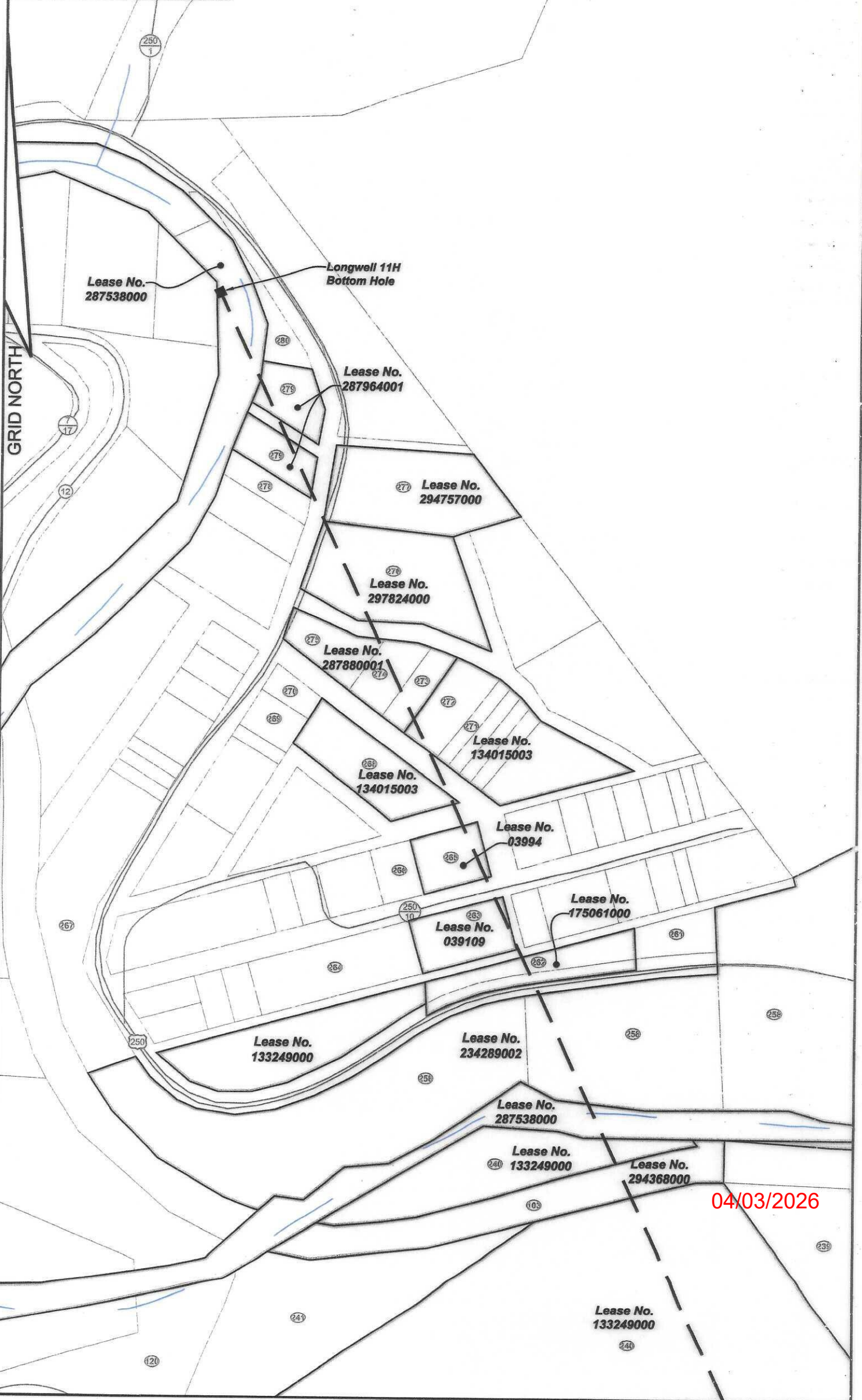
BH: 3770' LONG: 80-30-00

GRID NORTH



04/03/2026

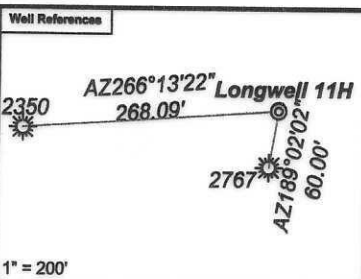
**Longwell 11H
Longwell
EQT Production Company**



04/03/2026

Longwell 11H
Longwell
EQT Production Company

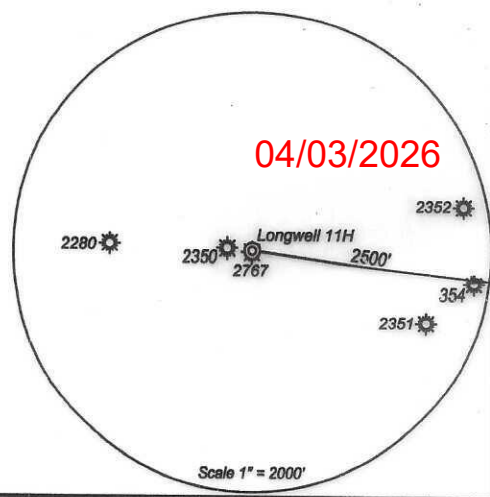
Tract ID	Tax Map No	Parcel No	County	District	Surface Tract Owner	Acres
1	10	13	Wetzel	Church	Jeffery I. Longwell	106.5
2	10	14	Wetzel	Church	Lucann I Harris & Penny I Sult	0.5
3	10	4	Wetzel	Church	Lela J. LeMasters	33.00
4	10	5	Wetzel	Church	Bruce & Linda Garrison	61.5
5	6	29	Wetzel	Church	Larry V Watson, et al	17.86
6	10	15	Wetzel	Church	Charles L. Miller	30
7	10	23	Wetzel	Church	John R. Rice	33
8	10	22	Wetzel	Church	Reil Hill Chapel	1.6
9	10	21	Wetzel	Church	Charles L. Mathews	28
10	10	20	Wetzel	Church	Catherine Roberts, et al.	50
11	10	12	Wetzel	Church	Harriet I Tustin	56.32
12	7	19	Wetzel	Clay	McLach Land LLC	73.211
13	6	23	Wetzel	Church	Bruce & Linda Garrison	124
14	6	25	Wetzel	Church	Larry V. Watson, et al.	40.83
15	6	24	Wetzel	Church	Shriver Cemetery	0.88
16	6	12	Wetzel	Church	Edward M Baldauf, et al	9.04
17	7	11	Wetzel	Clay	Edward M. Baldauf, et al.	20.5
18	7	8	Wetzel	Clay	Paul R. Curry, et al	130
19	7	12	Wetzel	Clay	Wilda M. Church & Peggy Brown	209.35
20	10	25	Wetzel	Church	Alin K. Greathouse	23
21	10	16	Wetzel	Church	Nicholas I & Joseph K Eastham	27
22	10	7	Wetzel	Church	David H. Watson, et al.	6.5
23	10	6	Wetzel	Church	Nicholas L. & Joseph K. Eastham	48.39
24	6	26	Wetzel	Church	Thomas Chapel	1.4
25	10	8	Wetzel	Church	Cary Alan Cole	9.66
26	6	30.1	Wetzel	Church	Ashley W. & Jimmy L. Frye	4.36
27	6	30	Wetzel	Church	Leslie N. Williams	20.64
28	6	27.1	Wetzel	Church	Edward M. Baldauf, et al.	22.86
29	6	29.1	Wetzel	Church	Board of Education	10.61
30	6	27	Wetzel	Church	Larry V. Watson, et al.	2.54
31	6	13	Wetzel	Church	Edward M. Baldauf, et al.	2.9
32	6	14.1	Wetzel	Church	Edward M. Baldauf, et al	1.24
33	6	15	Wetzel	Church	Edward M. Baldauf, et al.	28.5
46	7	7	Wetzel	Clay	William A. Myers II	29.8
47	4	48	Wetzel	Clay	Stephen T. Varner	115.3
103	2	63	Wetzel	Clay	CNX Land LLC	61.91
110	4	46	Wetzel	Clay	William Myers	77.7
111	4	42	Wetzel	Clay	Jim Williams	6
112	4	40	Wetzel	Clay	Ty Blake	0.5
114	4	38	Wetzel	Clay	F N Murphy	20.2
115	4	36	Wetzel	Clay	Dallison Lumber Inc.	11.6
118	4	24	Wetzel	Clay	Dallison Lumber Inc.	10.3
119	4	53	Wetzel	Clay	Maureen Mackey	7.85
120	4	53.1	Wetzel	Clay	Maureen Mackey	3.1
127	4	22	Wetzel	Clay	C.N. Murphy	33.5
229	6	16	Wetzel	Church	Edward M. Baldauf, et al.	4.7
230	6	7	Wetzel	Church	Dallison Lumber Inc.	63
231	7	9	Wetzel	Clay	James Jobes Estate	15.3
232	4	45	Wetzel	Clay	James Jobes Estate	26.3
233	4	43	Wetzel	Clay	Kathryn Simoni	101
234	4	43.1	Wetzel	Clay	Kathryn Simoni	31.58
235	4	41	Wetzel	Clay	Violen Kiger	37.33
236	4	21.1	Wetzel	Clay	Kathleen Maceo	45
237	4	21	Wetzel	Clay	Wilma Omduff	72.8
238	4	20.1	Wetzel	Clay	Wilma Omduff	4.5
239	4	20	Wetzel	Clay	Aaron Kolst	34.6
240	4	23	Wetzel	Clay	Richard Keman	30.4
241	4	54	Wetzel	Clay	Maureen Mackey	2
250	6	17	Wetzel	Church	Edward M Baldauf, et al	2.6
252	6	9	Wetzel	Church	Edward M. Baldauf, et al.	101.61
253	6	8	Wetzel	Church	Franklin Tennant, et al.	45
254	6	7	Wetzel	Church	Dallison Lumber Inc.	63
255	3	12	Wetzel	Clay	Kathryn Simoni	45.7
256	4	44	Wetzel	Clay	Kathryn Simoni	18.1
257	4	18	Wetzel	Clay	Ronald Kasserman	110
258	4	5	Wetzel	Clay	Cynthia Hayes	10
259	4	6	Wetzel	Clay	Wetzel County Board of Education	46.5
260	4	61	Wetzel	Clay	Richard Poland	6.5
261	9	106.1	Wetzel	Clay	Harry Wright	0.5
262	9	109.1	Wetzel	Clay	Linda Greathouse	1
263	9	109	Wetzel	Clay	Delmas Greathouse	0.517
264	9	110	Wetzel	Clay	Robbie Carver	0.689
265	9	94	Wetzel	Clay	Dean Miller	0.287
266	9	93	Wetzel	Clay	Dean Miller	0.172
267	9	20	Wetzel	Clay	Robert Long	1.27
268	9	78	Wetzel	Clay	Lloyd Henderson	0.621
269	9	72	Wetzel	Clay	Neil Longwell	0.172
270	9	71	Wetzel	Clay	Neil Longwell	0.092
271	9	63	Wetzel	Clay	Lloyd Henderson	0.107
272	9	64	Wetzel	Clay	Lloyd Henderson	0.31
273	9	65	Wetzel	Clay	Walter Longwell	0.191
274	9	66	Wetzel	Clay	Walter Longwell	0.26
275	9	68	Wetzel	Clay	Walter Longwell	0.323
276	9	69	Wetzel	Clay	Donald Kennedy	1.55
277	9	49	Wetzel	Clay	Roy Dunn	0.82
278	9	61	Wetzel	Clay	Hundred 1111111111 PSD	0.235
279	9	6	Wetzel	Clay	Sherrynn Creaver	0.6
280	9	5.1	Wetzel	Clay	Sally Anderson	0.18
282	6	14	Wetzel	Church	Larry Watson	0.16



Notes:
 Longwell 11H coordinates are
 NAD 27 N: 422,867.95 E: 1,719,835.88
 NAD 27 Lat: 39.656756 Long: -80.495093
 NAD 83 UTM N: 4,389,792.81 E: 543,330.56
 Longwell 11H Landing Point coordinates are
 NAD 27 N: 424,579.65 E: 1,722,799.74
 NAD 27 Lat: 39.661545 Long: -80.484633
 NAD 83 UTM N: 4,390,329.37 E: 544,224.85
 Longwell 11H Bottom Hole coordinates are
 NAD 27 N: 437,921.45 E: 1,716,577.77
 NAD 27 Lat: 39.697983 Long: -80.507264
 NAD 83 UTM N: 4,394,362.48 E: 542,261.52
 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
124019000	Janice Cosgray, et al.	90
239080000	EQT TGH Exploration II LLC, et al.	85
114866007	Samuel Harlan Ellis, et al.	45.13
131627001	Nancy Dawn Cosgray, et al.	28.15
140111000	EQT TGH Exploration II, LLC, et al.	28.5 of 1962.7875
126678160	Stone Hill Mineral Holdings, LLC, et al.	194
106953001	Nancy Dawn Cosgray, et al.	20.5 of 49
109489010	Paul R. Curry, et ux., et al.	170
228280000	Richardson Rhodes Trust dated April 10, 2019	63
109947000	Peggy Church Brown, et al.	31,307949 of 140
101605017	Linda Jo Wood Smith, et al.	80
126678043	Three Rivers Royalty II, LLC, et al.	133.04 of 1734.20
284710004	Betty M. Prine, et al.	31.58
106363000	Janet E. Love, et al.	37.5
228753000	Merle Oates, et al.	50
111526029	Elkhorn Mineral Fund, LP, et al.	72.78
034201	Wilma L. Omduff	4.5
105372009	AMP IV, LP, et al.	53.70
133249000	Elk Range Royalties II, LP, et al.	32.5875
294368000	CNX Gas Company, LLC	61.94
287538000	West Virginia Division of Natural Resources	18.51444 of 38.187
234289002	Three Rivers Royalty II LLC, et al.	260.25
175061000	OXY USA, Inc., et al.	1 of 31151.581
039109	Delmas Greathouse, Jr, et al.	0.517
03994	Dean W. Miller, et al.	0.29
134015003	Lloyd F. Henderson, et al.	2.80067
287880001	Essie Rosalee Longwell, et al.	0.77
297824000	Sunshine State Investment Group LLC, et al.	1.55
294757000	Cody M. Jones	2.11
287964001	Raymond E. Greaver, Jr., et al.	0.81



**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

RECEIVED
Office of Oil and Gas

FEB 27 2026


WV Department of
Environmental Protection

**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

W-6A1 attachment

Operator's Well No.

Longwell 11H

Lease No.	Grantor, Lessor, etc.	Acres	Grantee, Lessee, etc.	Royalty	Book/Page
	<u>Jeffery Todd Longwell, et al.</u>			"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
	<u>Janice Cosgray, et al.</u>			"at least 1/8th per WV Code 22-6-8"	
✓ 124019000	Harold Wayne Cosgray and Janice Cosgray, husband and wife Drilling Appalachian Corporation Drilling Appalachian Corporation Grenadier Energy Partners, LLC Drilling Appalachian Corporation Grenadier Energy Partners, LLC Drilling Appalachian Corporation Statoil USA Onshore Properties Inc.	90 ac	Drilling Appalachian Corporation Grenadier Energy Partners, LLC Grenadier Energy Partners, LLC Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. EQT Production Company		OG 88A/702 OG 118A/108 OG 136A/538 OG 138A/1 OG 138A/54 OG 153A/695 OG 153A/640 OG 175A/707
	<u>EQT TGHL Exploration II LLC, et al.</u>			"at least 1/8th per WV Code 22-6-8"	
✓ 239080000	Gastar Exploration Inc. WV Minerals, Inc. Gastar Exploration Inc. TH Exploration II, LLC	85 ac	TH Exploration II, LLC TH Exploration II, LLC TH Exploration II, LLC EQT TGHL Exploration II LLC		DB 469/502 DB 470/349 OG 173A/431 MB 154/899
	<u>Samuel Harlan Ellis, et al</u>			"at least 1/8th per WV Code 22-6-8"	
✓ 114866007	Samuel Harlan Ellis	45.13 ac	EQT Production Company		OG 275A/25
	<u>Nancy Dawn Cosgray, et al</u>			"at least 1/8th per WV Code 22-6-8"	
✓ 131627001	Nancy Dawn Cosgray Antero Resources Corporation	28.15 ac	Antero Resources Corporation EQT Production Company		OG 182A/729 OG 231A/59
	<u>EQT TGHL Exploration II, LLC, et al</u>			"at least 1/8th per WV Code 22-6-8"	
✓ 140111000	TH Exploration II, LLC TH Exploration, LLC	28.5 ac of 1,962.7875 ac	TH Exploration, LLC EQT Production Company		OG 252A/110 OG 258A/333
	<u>Stone Hill Minerals Holdings, LLC, et al</u>			"at least 1/8th per WV Code 22-6-8"	
✓ 126678160	Stone Hill Minerals Holdings, LLC TH Exploration, LLC	194 ac	TH Exploration, LLC EQT Production Company		OG 252A/369 OG 289A/811
	<u>Nancy Dawn Cosgray, et al</u>			"at least 1/8th per WV Code 22-6-8"	
✓ 106953001	Nancy Dawn Cosgray	20.5 ac of 49 ac	Antero Resources Corporation		OG 181A/668

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	Antero Resources Corporation		EQT Production Company	OG 231A/59
	Paul R. Curry, et ux, et al			"at least 1/8th per WV Code 22-6-8"
109489010	Joe Church, et ux 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 91A/134 OG 124A/9 OG 138A/1 OG 138A/54 OG 153A/695 OG 153A/640 OG 175A/707
	Richardson Rhodes Trust dated April 10, 2019			"at least 1/8th per WV Code 22-6-8"
228280000	Charles J. Richardson and Debbie A. Rhodes, Trustees of the Richardson Rhodes Trust dated April 10, 2019	63 ac	EQT Production Company	OG 323A/210
	Peggy Church Brown, et al			"at least 1/8th per WV Code 22-6-8"
109947000	George Church, et ux George Church, et ux W.D. Straight W.L. Haworth Chalmers Oil and Gas Carnegie Natural Gas Company Carnegie Production Company	31.307949 ac of 140 ac	W.D. Straight W.D. Straight W.L. Haworth Chalmers Oil and Gas Carnegie Natural Gas Company Carnegie Production Company EQT Production Company	OG 12A/44 OG 4A/159 OG 4A/161 OG 6A/146 unrecorded assignment OG 78A/513 MB 150/160
	Linda Jo Wood Smith, et al			"at least 1/8th per WV Code 22-6-8"
101605017	Norma M. Wood Ascent Resources - Marcellus, LLC Tribune Resources, LLC and Tribune Resources Minerals, LLC	80 ac	Ascent Resources - Marcellus, LLC Tribune Resources Minerals, LLC EQT Production Company	OG 175A/944 Corp. 13/427 OG 350A/635
	Three Rivers Royalty II, LLC, et al			"at least 1/8th per WV Code 22-6-8"
126678043	James & Colleen Newman Trans Energy, Inc. Trans Energy, Inc. Trans Energy, Inc. James & Colleen Newman American Shale Development and Republic Partners VIII, LLC Republic Partners VII, LLC and Republic Energy Ventures Republic Energy Ventures, LLC, Republic Partners VI, LP, Republic Partners VII, LLC, Republic Partners VIII, LLC, and Republic Operating, LLC Trans Energy, Inc. and American Shale Development	133.04 ac of 1734.20 ac	Trans Energy, Inc. Republic Partners VI, LP Republic Energy Ventures, LLC American Shale Development Trans Energy, Inc. Republic Energy Ventures, LLC EQT Production Company EQT Production Company EQT Production Company	OG 91A/762 OG 98A/512 OG 120A/737 OG 130A/196 OG 140A/732 OG 151A/333 OG 179A/281 OG 183A/224 DB 464/353
	Betty M. Prine, et al			"at least 1/8th per WV Code 22-6-8"
284710004	Betty Maxine Prine	31.58 ac	EQT Production Company	OG 434A/642

Extension OGL

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

106363000 Janet E. Love, et al
George E. Rice, et ux, et al
Hope Natural Gas Company, et al
Pittsburgh and West Virginia Gas Company
Equitable Gas Company
Equitrans, LP
Tri-County Oil & Gas, Inc.
Leatherwood, LLC
CNX Gas Company, LLC
Antero Resources Corporation

37.5 ac

Hope Natural Gas Company
Pittsburgh and West Virginia Gas Company
Equitable Gas Company
Equitrans, Inc.
Tri-County Oil & Gas, Inc.
Leatherwood, Inc.
CNX Gas Company, LLC
Antero Resources Appalachian Corporation
EQT Production Company

OG 5A/334
OG 33A/384
DB 187/321
OG 71A/453
OG 77A/432
WVSOS - merger 10/24/2007
OG 102A/146
OG 126A/231
OG 231A/22

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

228753000 Merle Oates, et al.
Amos Joliff and Mary E. Joliff, his wife
John Lavalle
R.L. Hoskinson
Manufacturers Light and Heat Company
Union Gasoline and Oil Corporation
Preston Oil Company
Manufacturers Light and Heat Company
Columbia Gas Transmission Corp.
Columbia Natural Resources, Inc.
Chesapeake Appalachia, LLC
Chesapeake Appalachia, LLC
Statoilhydro USA Onshore Properties, Inc.
Statoil USA Onshore Properties, Inc.
SWN Exchange Titleholder, LLC
Statoil USA Onshore Properties, Inc.
SWN Production Company, LLC
Antero Exchange Properties, LLC
Antero Resources Corporation

50 ac

John Lavelle
R.L. Hoskinson
Manufacturers Light and Heat Company
Union Gasoline and Oil Corporation
Preston Oil Company
Columbia Gas Transmission Corp.
Columbia Gas Transmission Corp.
Columbia Natural Resources, Inc.
Chesapeake Appalachia, LLC
Statoilhydro USA Onshore Properties, Inc.
SWN Production Company, LLC
Statoil USA Onshore Properties, Inc.
SWN Exchange Titleholder, LLC
SWN Production Company, LLC
Antero Exchange Properties, LLC
Antero Exchange Properties, LLC
Antero Resources Corporation
EQT Production Company

OG 6A/465
OG 6A/494
OG 6A/493
OG 24A/215
OG 39A/387
OG 54A/1
DB 263/164
OG 72A/368
DB 402/446
OG 97A/578
OG 157A/540
WVSOS
OG 158A/801
CB 13/296
OG 177A/738
OG 177A/533
CB 13/311
OG 324A/748

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

111526029 Elkhorn Mineral Fund, LP, et al.
Pathfinder Resources, LLC dba Recon Pathfinder, LLC
Pathfinder Resources, LLC dba Recon Pathfinder, LLC

72.78 ac

EQT Production Company
Elkhorn Mineral Fund, LP

OG 275A/201
DB 517/394

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

034201 Wilma L. Ornduff
Wilma L. Ornduff

4.5 ac

EQT Production Company

Force Pooled Tract

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

105372009 AMP IV, LP, et al
AMP IV, LP

53.70 ac

EQT Production Company

OG 268A/180

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

133249000 Elk Range Royalties II, LP, et al
Ridgetop Royalties, LLC
LOLA Drilling I, LLC, Leonidas Properties, LLC, and
LOLA Energy Operating CO., LLC

32.5875 ac

LOLA Drilling I, LLC
Rice Drilling B, LLC

OG 174A/22
OG 190A/200

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

294368000 CNX Gas Company, LLC
CNX Gas Company, LLC

61.94 ac

EQT Production Company

OG 434A/719

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DEPARTMENT OF
NATURAL RESOURCES

	West Virginia Division of Natural Resources			"at least 1/8th per WV Code 22-6-8"	
287538000	West Virginia Division of Natural Resources	18.51444 ac of 38.187 ac	EQT Production Company		OG 424A/155
	Three Rivers Royalty II LLC, et al.			"at least 1/8th per WV Code 22-6-8"	
234289002	Three Rivers Royalty II LLC CNX Gas Company LLC	260.25 ac	CNX Gas Company LLC EQT Production Company		OG 270A/428 OG 434A/733
	OXY USA, Inc., et al			"at least 1/8th per WV Code 22-6-8"	
175061000	BRC Appalachian Minerals I, LLC BRC Minerals LP BRC Appalachian Minerals I, LLC 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	1 ac of 31,151.581 ac	BRC Working Interest Company LLC 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 102A/505 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 269A/533
	Delmas Greathouse, Jr., et al			"at least 1/8th per WV Code 22-6-8"	
039109	Delmas Greathouse, Jr.	0.517 ac	EQT Production Company		Force Pooled Tract
	Dean W. Miller, et al			"at least 1/8th per WV Code 22-6-8"	
03994	Dean W. Miller	0.29 ac	EQT Production Company		Force Pooled Tract
	Lloyd F. Henderson, et al			"at least 1/8th per WV Code 22-6-8"	
134015003	Lloyd F. Henderson Antero Resources Corporation	2.60067 ac	Antero Resources Corporation EQT Production Company		OG 214A/32 OG 231A/59
	Essie Rosalee Longwell, et al			"at least 1/8th per WV Code 22-6-8"	
287880001	Essie Rosalee Longwell	0.77 ac	EQT Production Company		OG 420A/46
	Sunshine State Investment Group LLC, et al.			"at least 1/8th per WV Code 22-6-8"	
297824000	Sunshine State Investment Group LLC	1.55 ac	EQT Production Company		OG 445A/156
	Cody M. Jones			"at least 1/8th per WV Code 22-6-8"	
294757000	Cody M. Jones, a man dealing in his sole and separate property	2.11 ac	EQT Production Company		OG 436A/49
	Raymond E. Greaver, Jr., et al			"at least 1/8th per WV Code 22-6-8"	
287964001	Raymond E. Greaver, Jr.	0.81 ac	EQT Production Company		OG 421A/273

Amended and Restated Memorandum of Paid Up Oil and Gas Lease

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FEB 27 2026
WV Department of
Environmental Protection

Force Pooled Tract(s) Within Lease Boundaries

RECORDED
INDEXED
COUNTY OF CLATSOP
FEB 27 2026
CLATSOP COUNTY RECORDS
1117 1/2 S. COMMERCIAL ST. SE
ASTORIA, OR 97103



E Q T P R O D U C T I O N C O M P A N Y
2200 Energy Drive | Canonsburg, PA 15317

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 11H 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

Sincerely,

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

Olivia Wilson
Project Specialist - Permitting

Enc.

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WV Department of
Environmental Protection

04/03/2026

WW-6A1 attachment

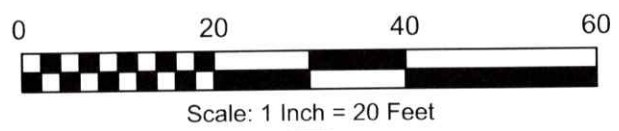
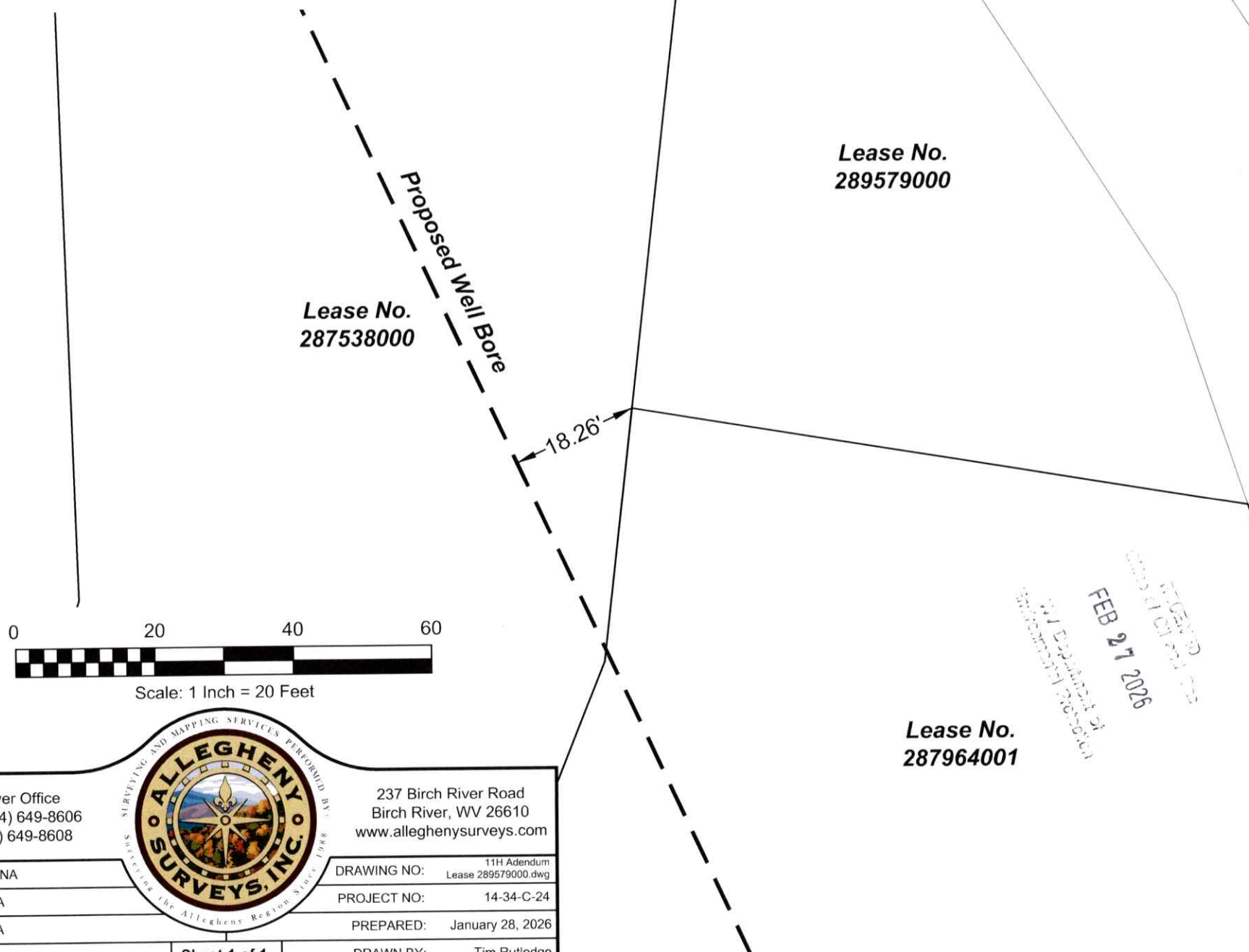
Operator's Well No.

Longwell 11H

Lease No.	Grantor, Lessor, etc.	Acres	Grantee, Lessee, etc.	Royalty	Book/Page
✓ <u>296124001</u>	<u>Isaiah Jobes, et al</u> Isaiah Jobes and September Jobes, husband and wife	1.013 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 439A/317
✓ <u>295732001</u>	<u>Hundred-Littleton Public Service District, et al</u> Hundred-Littleton Public Service District	0.24 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 438A/850
✓ <u>289579000</u>	<u>Stephen Douglas Hayes</u> Stephen Douglas Hayes, dealing in his sole and separate property	0.157 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 426A/771

RECORDED
FEB 21 2006
COUNTY CLERK
SHERMAN COUNTY, MISSOURI

Longwell 11H
EQT Production Company
 "Detail of Lease No. 289579000"



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 W. J. DeSantis, Jr.
 State Department of Environmental Protection

Birch River Office Phone: (304) 649-8606 Fax: (304) 649-8608		237 Birch River Road Birch River, WV 26610 www.alleghenysurveys.com	
		DRAWING NO: 11H Addendum Lease 289579000.dwg	
PARTY CHIEF: NA		PROJECT NO: 14-34-C-24	
RESEARCH: NA		PREPARED: January 28, 2026	
SURVEYED: NA		DRAWN BY: Tim Rutledge	
FIELD CREW: NA		Sheet 1 of 1	

Longwell 11H
EQT Production Company
 "Detail of Lease No. 296124001 &
 Lease No. 295732001"

Lease No.
287964001

Lease No.
295732001

Lease No.
294757000

Lease No.
296124001

Lease No.
297824000



Scale: 1 Inch = 20 Feet



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: 11H Adendum
 Lease 296124001.dwg

RESEARCH: NA

PROJECT NO: 14-34-C-24

SURVEYED: NA

PREPARED: January 28, 2026

FIELD CREW: NA

Sheet 1 of 1

DRAWN BY: Tim Rutledge

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 COUNTY OF CLAY
 FEB 27 2026

5.90'
 Proposed Well Bore
 35.97'





February 26, 2026

Via FedEx Overnight Delivery

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

RE: Horizontal Well Work Permit Application Modification
Longwell 11H
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
724-250-0180

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04/03/2026