



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 9H
47-103-03759-00-00

Lateral Extension w/ Forced Lateral

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 9H
Farm Name: JEFFERY TODD LONGWELL
U.S. WELL NUMBER: 47-103-03759-00-00
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: 9H 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: 23,430'

11) Proposed Horizontal Leg Length: 14,919'

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):

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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DEPARTMENT OF ENVIRONMENTAL PROTECTION

CHK# 609979
2500⁰⁰

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	23430	23430 ✓	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:			

11-05-2026
 FEB 27 2026
 W/ Department of
 Environment & Protection

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.

FEB 27 2026

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.

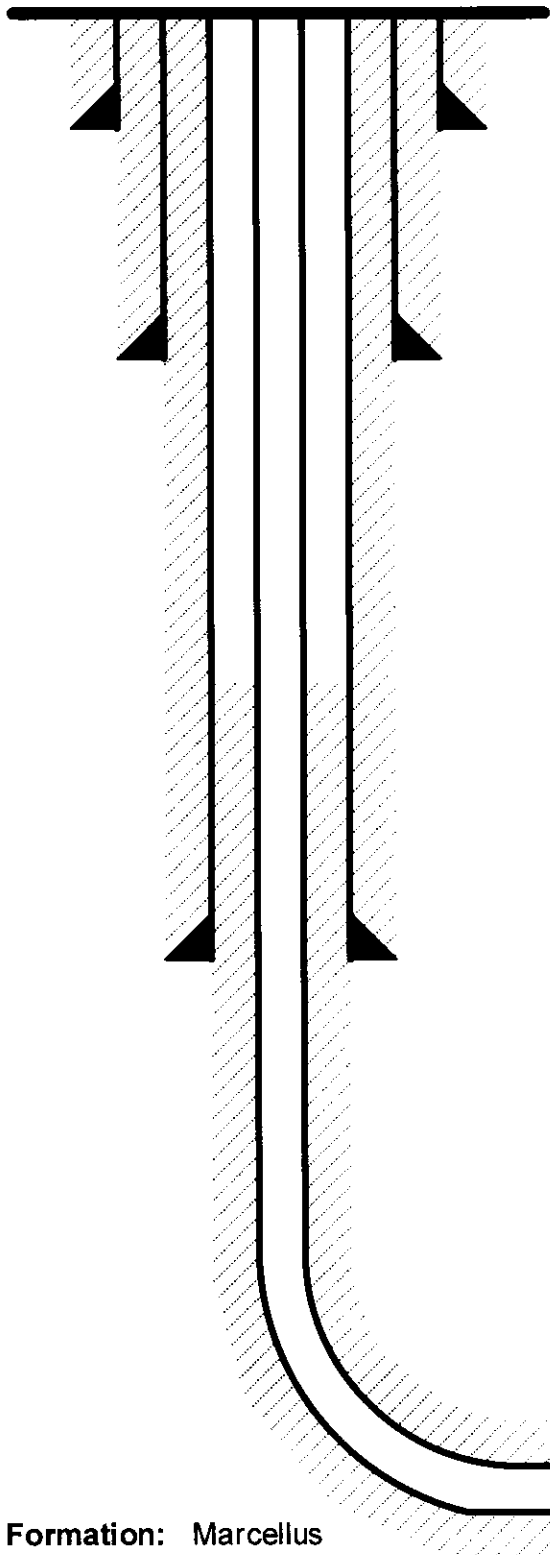
*Note: Attach additional sheets as needed.

EQT Production

Wellbore Diagram

Well: Longwell 9H
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 @ 23,430' MD / 7,711' TVD
5-1/2", 20#, P-110, cement to 500' inside 9-5/8" w/ Class A/H/L

Formation: Marcellus

REVISION
DATE
FEB 27 2026
BY
STEPHEN MCCOY

Digitally signed by Stephen
Mccoy
Date: 2026.02.25 18:04:56
-05'00'

NOT TO SCALE
04/03/2028

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

February 26, 2026

RECEIVED
FEB 27 2026
WEST VIRGINIA DEPARTMENT OF
NATURAL RESOURCES

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.

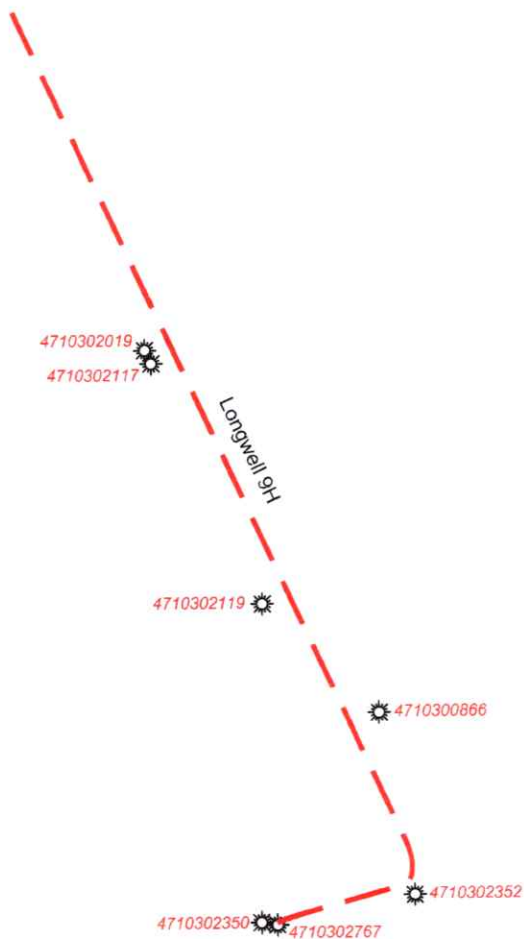
EQT will recommend to these operators at a minimum to:

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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WV Department of
Environmental Protection



EQT Corporation
2200 Energy Drive
Canonsburg, PA 15317

Longwell 9H

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



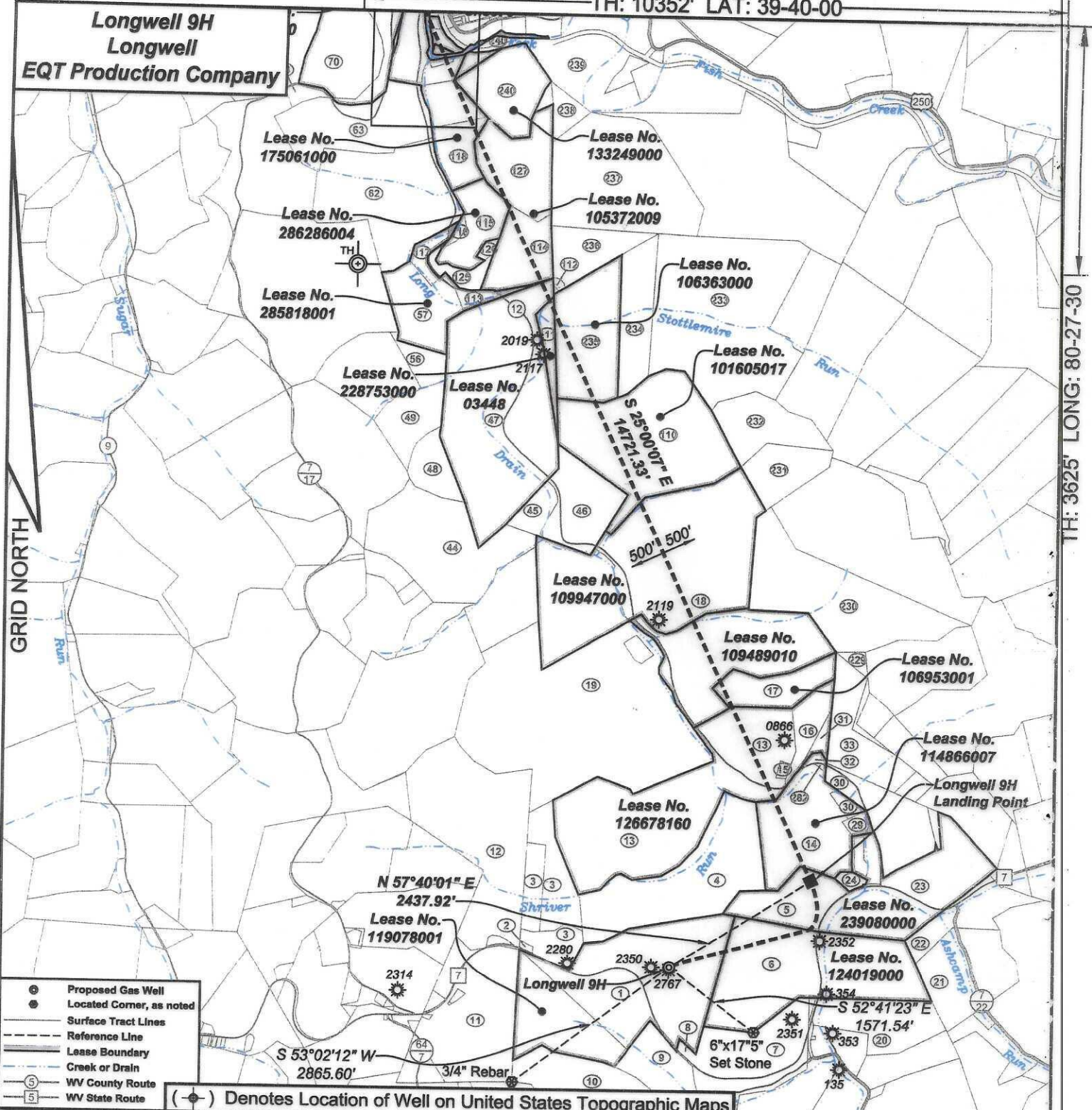
04/03/2026

UWI	ABAND_DATE	CURR_OPER	ELEV_RF_CD	FIELD_NAME	FNL_CLASS	LATITUDE	LONGITUDE	OPER_NAME	PROJ_ID	SPUD_DATE	ELEVATION	TOT_DEPTH
023500000	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
027670000	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
023520000	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
008660000	3/31/1994	EQUITRANS, L.P.	Ground	Unnamed	unclassified	NA	NA	EQUITRANS, L.P.	NA	3/18/1994	1140.00	NA
021190000	NA	Diversified Production LLC	Ground	Unnamed	Unsuccessful	39.670860	-80.495851	DYNATEC Energy, Inc	NA	9/23/2005	1069.00	780.00
021170000	NA	Diversified Production LLC	Ground	Unnamed	Unsuccessful	39.681445	-80.502243	DYNATEC Energy, Inc	NA	9/12/2005	968.00	962.00
020190000	8/8/2005	DYNATEC Energy, Inc	Ground	Unnamed	Unsuccessful			DYNATEC Energy, Inc	NA	1/13/2004	983.00	730.00

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TH: 10352' LAT: 39-40-00

Longwell 9H
Longwell
EQT Production Company



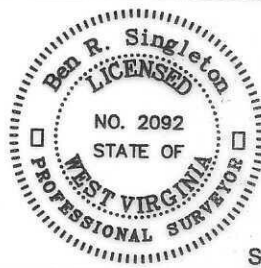
- Proposed Gas Well
- Located Corner, as noted
- Surface Tract Lines
- - - Reference Line
- Lease Boundary
- Creek or Drain
- ⑤ WV County Route
- ⑤ WV State Route

(●) 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 9H
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 9H
API WELL NO
47 - 103 - 03759
STATE COUNTY PERMIT

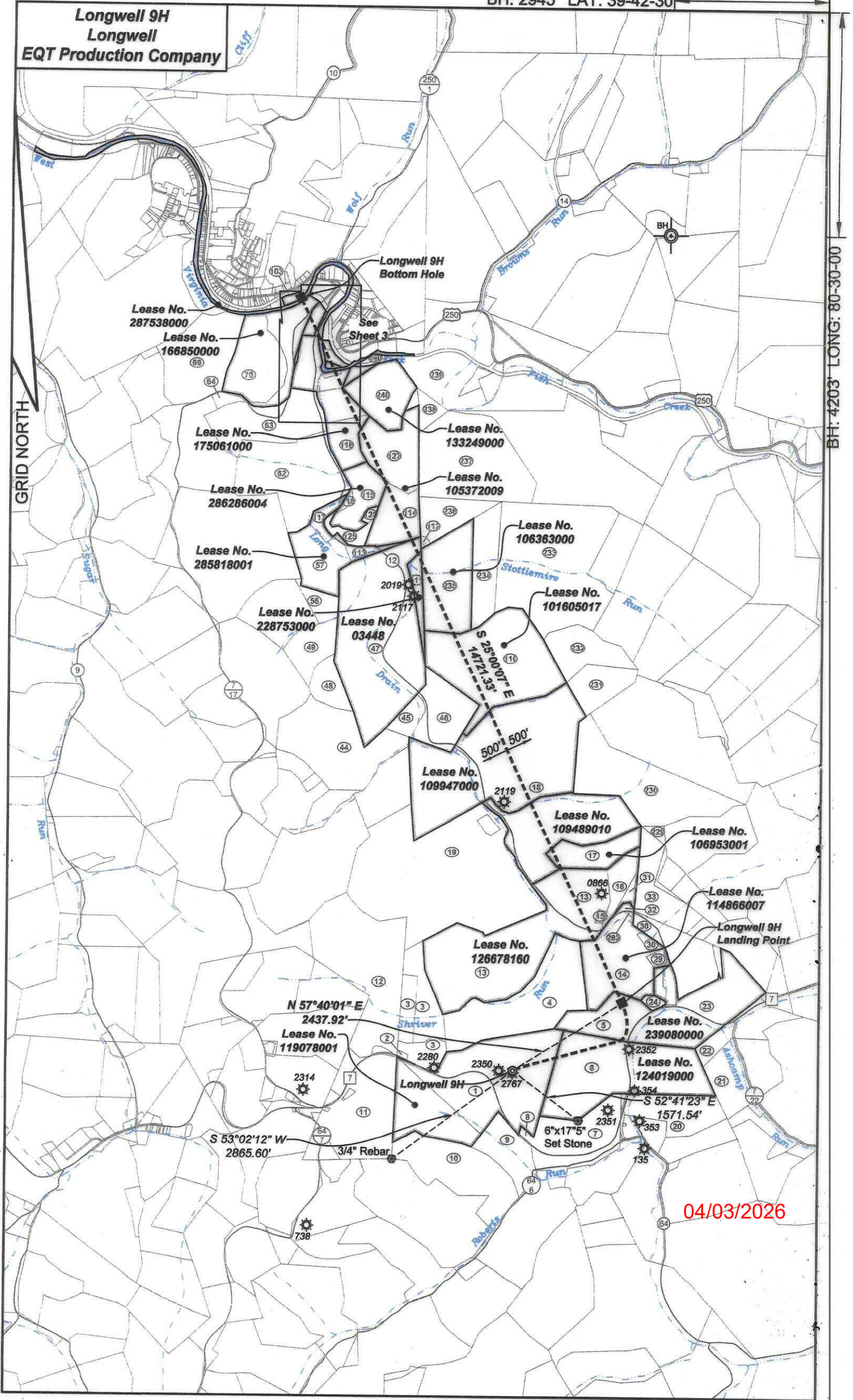
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
LOCATION: ELEVATION: As-Built: 1435' WATERSHED Long Drain of West Virginia Fork Fish Creek QUADRANGLE: Hundred
DISTRICT: Church and Clay COUNTY: Wetzel 04/03/2026
SURFACE OWNER: Jeffery Todd Longwell ACREAGE: 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

Longwell 9H
Longwell
EQT Production Company

GRID NORTH

BH: 4203' LONG: 80-30-00



Lease No. 287538000

Lease No. 166850000

Lease No. 175061000

Lease No. 286286004

Lease No. 285818001

Lease No. 228753000

Lease No. 03448

Lease No. 133249000

Lease No. 105372009

Lease No. 106363000

Lease No. 101605017

Lease No. 109947000

Lease No. 109489010

Lease No. 106953001

Lease No. 114866007

Lease No. 126678160

Lease No. 239080000

Lease No. 124019000

N 57°40'01" E
2437.92'

Lease No. 119078001

S 53°02'12" W
2865.60'

3/4" Rebar

Longwell 9H

6"x17"5" Set Stone

S 52°41'23" E
1571.54'

04/03/2026

BH: 2945' LAT: 39-42-30

**Longwell 9H
Longwell
EQT Production Company**

**Longwell 9H
Bottom Hole**
Lease No.
032L65

Lease No.
166850000

Lease No.
286578000

Lease No.
03933

Lease No.
290549001

Lease No.
288105002

Lease No.
287538000

Lease No.
122005000

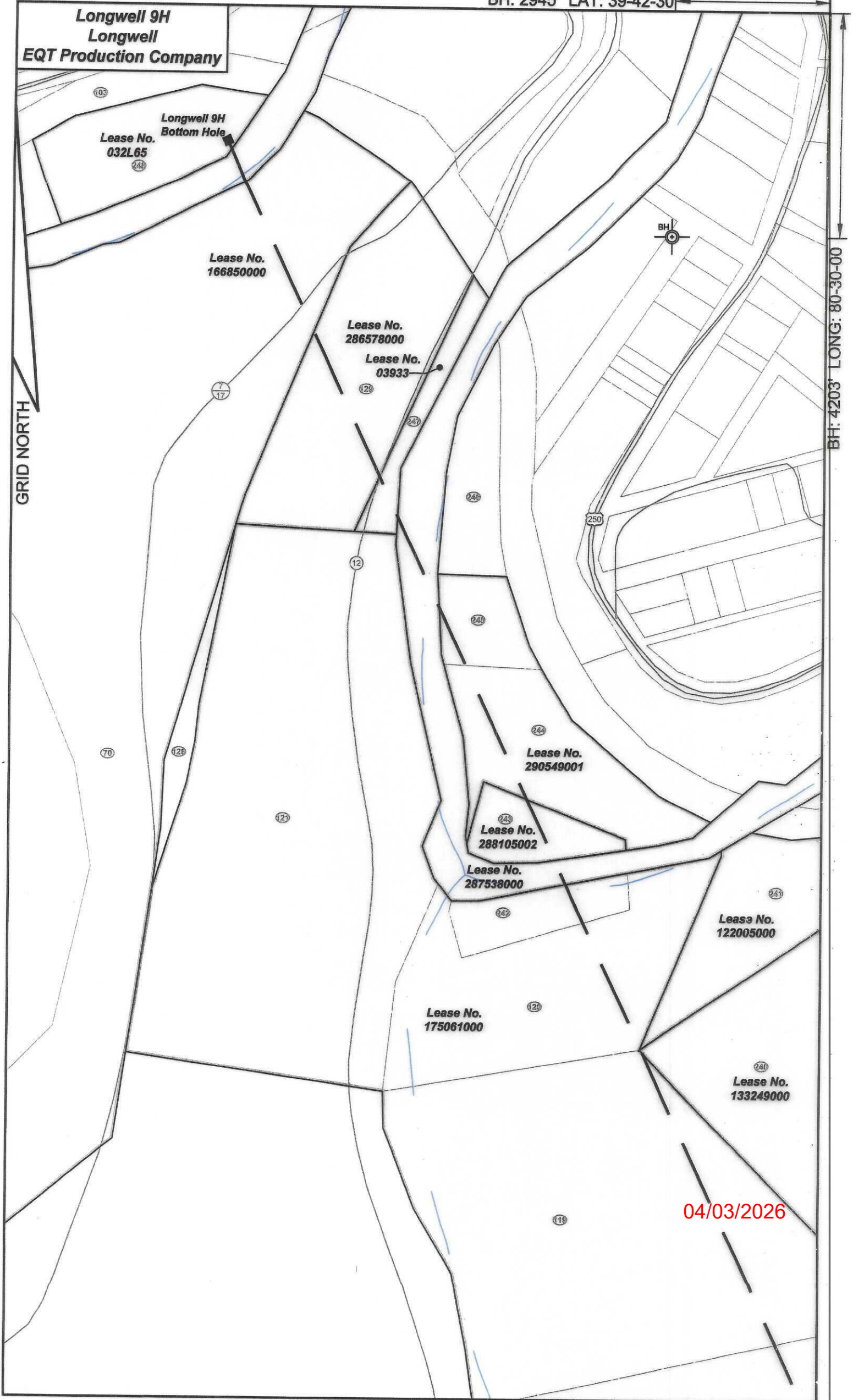
Lease No.
175061000

Lease No.
133249000

04/03/2026

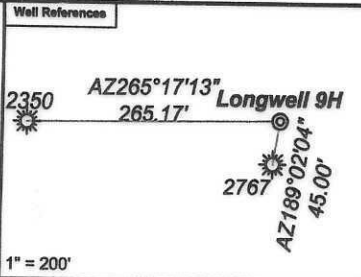
GRID NORTH

BH: 4203' LONG: 80-30-00



Longwell 9H
Longwell
EQT Production Company

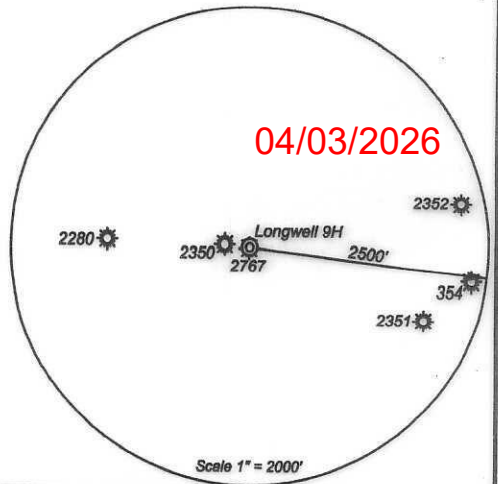
Tract ID	Tax Map No.	Parcel No.	County	District	Surface Tract Owner	Acres
1	10	13	Wetzel	Church	Jeffery T. Longwell	106.5
2	10	14	Wetzel	Church	Leann L. Harris & Penny L. Sole	0.5
3	10	4	Wetzel	Church	Lela J. LeMasters	33.09
4	10	5	Wetzel	Church	Bruce & Linda Garrison	61.5
5	6	20	Wetzel	Church	Larry V. Watson, et al.	17.86
6	10	15	Wetzel	Church	Charles L. Miller	90
7	10	23	Wetzel	Church	John R. Rice	33
8	10	22	Wetzel	Church	Bell Hill Chapel	1.6
9	10	21	Wetzel	Church	Charles L. Mathews	28
10	10	20	Wetzel	Church	Catharine Roberts, et al.	50
11	10	12	Wetzel	Church	Harriet L. Tustin	56.32
12	7	19	Wetzel	Clay	McEach Land LLC	73.211
13	6	23	Wetzel	Church	Bruce & Linda Garrison	124
14	6	25	Wetzel	Church	Larry V. Watson, et al.	10.83
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 Drown	209.35
20	10	25	Wetzel	Church	Allin K. Creathouse	23
21	10	16	Wetzel	Church	Nicholas L. & Joseph K. Eastham	27
22	10	7	Wetzel	Church	David R. Watson, et al.	6.5
23	10	6	Wetzel	Church	Nicholas L. & Joseph K. Eastham	48.39
24	6	26	Wetzel	Church	Thomas Chapel	14
29	6	29.1	Wetzel	Church	Board of Education	10.61
30	6	27	Wetzel	Church	Larry V. Watson, et al.	2.51
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
44	7	4	Wetzel	Clay	Howard W. Parish, Jr	52.5
45	7	6	Wetzel	Clay	Stephen T. Varner	7
46	7	7	Wetzel	Clay	William A. Myers II	29.8
47	4	48	Wetzel	Clay	Stephen T. Varner	115.3
48	7	5	Wetzel	Clay	Stephen T. Varner	12.9
49	4	50.1	Wetzel	Clay	Richard L. Wise	23.05
56	4	49	Wetzel	Clay	Jack & Linda Mason	7.46
57	4	33	Wetzel	Clay	Jack & Linda Mason	19.08
62	4	25	Wetzel	Clay	Ralph M. Crouse	56.5
63	4	26	Wetzel	Clay	Susan J. Minor	38.3
64	4	27	Wetzel	Clay	Susan J. Minor	3.3
69	4	3	Wetzel	Clay	Bradley A. Calp	42.5
70	4	4	Wetzel	Clay	Godwin Mining Trust	48.5
103	2	63	Wetzel	Clay	CNX Land LLC	61.94
110	4	46	Wetzel	Clay	William Myers	77.7
111	4	42	Wetzel	Clay	Tim Williams	6
112	4	40	Wetzel	Clay	Ty Blake	0.5
113	4	39	Wetzel	Clay	Jennifer Jobes	4.1
114	4	38	Wetzel	Clay	F N Murphy	20.2
115	4	36	Wetzel	Clay	Dallison Lumber Inc.	11.6
116	4	35	Wetzel	Clay	Walter Longwell	1.2
117	4	34	Wetzel	Clay	William White	8.5
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	3.4
121	4	57	Wetzel	Clay	David Milk	9.88
125	4	52	Wetzel	Clay	William Smith Estate	6
126	4	37	Wetzel	Clay	Pinny Holdings Inc.	1.2
127	4	22	Wetzel	Clay	E.N. Murphy	33.5
128	4	4.1	Wetzel	Clay	Kevin S. & Melinda S. Goff	0.39
129	4	4.2	Wetzel	Clay	Peter Parker	2.3
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 Johns 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 Mercer	45
237	4	21	Wetzel	Clay	Wilma Ornduff	72.8
238	4	21	Wetzel	Clay	Wilma Ornduff	4.5
239	4	20	Wetzel	Clay	Aaron Kolat	34.6
240	4	23	Wetzel	Clay	Richard Korman	30.4
241	4	54	Wetzel	Clay	Maureen Mackey	2
242	4	53.2	Wetzel	Clay	Hundred Littleton PSD	0.949
243	4	53.3	Wetzel	Clay	Hundred Littleton PSD	0.754
244	9	30	Wetzel	Clay	Hundred Littleton PSD	3.4
245	9	31	Wetzel	Clay	Paula Mackey	0.5
246	9	32	Wetzel	Clay	David Park	0.5
247	9	33	Wetzel	Clay	Peter Parker	0.575
248	2L	65	Wetzel	Clay	Harry Wharton	1.5
249	2L	64	Wetzel	Clay	Harry Wharton	0.5
282	6	14	Wetzel	Church	Larry Watson	0.16



Notes:
 Longwell 9H coordinates are
 NAD 27 N: 422,853.13 E: 1,719,833.53
 NAD 27 Lat: 39.656716 Long: -80.495101
 NAD 83 UTM N: 4,389,788.28 E: 543,329.92
 Longwell 9H Landing Point coordinates are
 NAD 27 N: 424,157.02 E: 1,721,893.45
 NAD 27 Lat: 39.660358 Long: -80.487836
 NAD 83 UTM N: 4,390,196.00 E: 543,950.88
 Longwell 9H Bottom Hole coordinates are
 NAD 27 N: 437,498.86 E: 1,715,671.50
 NAD 27 Lat: 39.696795 Long: -80.510467
 NAD 83 UTM N: 4,394,229.11 E: 541,987.55
 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
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
109947000	Peggy Church Brown, et al.	31,307,949 of 140
101605017	Linda Jo Wood Smith, et al.	80
106363000	Janet E. Love, et al.	37.5
228753000	William Francis Vieweg, et al.	6 of 50
03448	Steve Varner	116 of 152
285818001	Country Roads Minerals, LLC, et al.	36
105372009	AMP IV, LP, et al.	53.70
286286004	Gary H. Kappel, et al.	12.80
175061000	BRC Appalachian Minerals I, LLC BRC Minerals LP	36 of 31151.581
133249000	Elk Range Royalties II, LP, et al.	32.588
122005000	Maureen V. Mackey, et al.	2.00
287538000	West Virginia Division of Natural Resources	38,1877
288105002	Morris Mountaineer Oil and Gas, et al.	0.75
03933	Liberty Holding Company	0.575
286578000	Bounty Minerals, et al.	16.80
166850000	AMP IV, LP, et al.	48.5
032L65	Katherine Scott Soles, et al.	1.5



04/03/2026

**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
Chapter 22, Article 6A, Section 5(a)(5)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
See Attached				

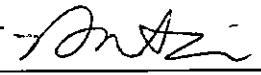
**Acknowledgement of Possible Permitting/Approval
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

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The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator: EQT Production Company
 By: Branden Weimer 
 Its: Regional Manager - Permitting

Lease No.	Grantor, Lessor, etc.	Acres	Grantee, Lessee, etc.	Royalty	Book/Page
	Jeffery Todd Longwell, et al.			*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
	Janice Cosgray, et al.			*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. 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
	EQT TGHL Exploration II LLC, et al.			*at least 1/8th per WV Code 22-6-8"	
239080000	Gastar Exploration USA Inc. WV Minerals, Inc. Gastar Exploration Inc. TH Exploration II, LLC TH Exploration II, LLC	85 ac	TH Exploration II, LLC TH Exploration II, LLC TH Exploration II, LLC EQT TGHL Exploration II LLC EQT TGHL Exploration II LLC		DB 469/502 DB 470/349 OG 173A/431 MB 153/704 MB 154/899
	Samuel Harlan Ellis, et al			*at least 1/8th per WV Code 22-6-8"	
114866007	Samuel Harlan Ellis	45.13 ac	EQT Production Company		OG 275A/25
	Stone Hill Mineral Holdings, LLC, et al			*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
	Nancy Dawn Cosgray, et al			*at least 1/8th per WV Code 22-6-8"	
106953001	Nancy Dawn Cosgray Antero Resources Corporation	20.5 ac of 49 ac	Antero Resources Corporation EQT Production Company		OG 181A/668 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. 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

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 TAX COLLECTIONS DIVISION

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

Peggy Church Brown, et al

✓ **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

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

Linda Jo Wood Smith, et al

/ **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

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

Janet E. Love, et al

/ **106363000**

George E. Rice, et ux
Hope Natural Gas Company, et al
Pittsburgh and West Virginia Gas Company
Equitable Gas Company
Equitrans, Inc.
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
OG 102A/146
OG 126A/231
OG 231A/22

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

William Francis Vieweg, et al

✓ **228753000**

Amos Joliff, et ux
John Lavelle
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
Antero Resources Corporation
Antero Resources Corporation
Martica Holdings, LLC
Antero Resources Corporation

6 ac
of 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
Martica Holdings, LLC
Martica Holdings, LLC
Martica Holdings, 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 242A/1
OG 243A/1
OG 244A/1
OG 320A/71
OG 324A/748

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WV Department of
Environmental Protection

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

Steve Varner

03448 Henry Sole
South Penn Oil Company
South Penn Natural Gas Company
Pennzoil Company
Pennzoil Company
Pennzoil Products Company
Pennzoil Exploration and Production Company
PennzEnergy Exploration and Production, LLC
Devon Energy Production Company
Stephen T. Varner and Cynthia S. Varner, h/w
East Resources, Inc.
HG Energy, LLC
American Energy-Marcus, LLC
Ascent Resources-Marcus, LLC
Tribune Resources, LLC

116 ac
of 152 ac

South Penn Oil Company
South Penn Natural Gas Company
Pennzoil Company
Pennzoil Products Company
Pennzoil Products Company
Pennzoil Exploration and Production Company
PennzEnergy Exploration and Production, LLC
Devon Energy Production Company
East Resources, Inc.
East Resources, Inc.
HG Energy, LLC
American Energy-Marcus, LLC
Ascent Resources-Marcus, LLC
Tribune Resources, LLC
EQT Production Company

OG 51/139
OG 33A/455
gap in chain
DB 319/397
DB 322/577
DB 363/384
CB 12/177
CB 12/278
DB 370/580
OG 88A/521
OG 118A/253
OG 153A/238
MB 114/619
CB 13/421
Force Pooled Tract

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

Country Roads Minerals, LLC, et al

285818001 Country Roads Minerals, LLC

36 ac

EQT Production Company

OG 415A/917

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

AMP IV, LP, et al

105372009 AMP IV, LP

53.70 ac

EQT Production Company

OG 268A/180

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

Gary H. Kappel, et al

286286004 Gary H. Kappel

12.80 ac

EQT Production Company

OG 418A/592

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

**BRC Appalachian Minerals I, LLC
BRC Minerals LP**

175061000

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

36 ac
of 31,151.581 ac

BRC Working Interest Company LLC

OG 102A/505

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 269A/533

Amended and Restated Memorandum of Paid Up Oil and Gas Lease

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TREASURY AND TAXATION

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

Elk Range Royalties II, LP, et al

133249000

Ridgetop Royalties, LLC
Ridgetop Royalties, LLC
LOLA Drilling I, LLC, Leonidas Properties, LLC, and
LOLA Energy Operating CO., LLC

32.588 ac

LOLA Drilling I, LLC
Elk Range Royalties II, LP

OG 174A/22
DB 509/829

Rice Drilling B, LLC

OG 190A/200

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

Maureen V. Mackey, et al

/ 122005000	Maureen V. Mackey and Howard Paul Mackey, Sr. Antero Resources Company	2.00 ac	Antero Resources Company EQT Production Company	OG 195A/224 OG 231A/59
/ 287538000	<u>West Virginia Division of Natural Resources</u> West Virginia Division of Natural Resources	38.1877 ac	EQT Production Company	*at least 1/8th per WV Code 22-6-8" OG 424A/155
/ 288105002	<u>Morris Mountaineer Oil and Gas, LLC, et al</u> Morris Mountaineer Oil and Gas, LLC	0.75 ac	EQT Production Company	*at least 1/8th per WV Code 22-6-8" OG 437A/665
/ 290549001	<u>Morris Mountaineer Oil and Gas, et al</u> Morris Mountaineer Oil and Gas	3.146 ac	EQT Production Company	*at least 1/8th per WV Code 22-6-8" OG 437/483
/ 03933	<u>Liberty Holding Company</u> Liberty Holding Company	0.575 ac	EQT Production Company	*at least 1/8th per WV Code 22-6-8" Force Pooled Tract
/ 286578000	<u>Bounty Minerals, et al</u> Liberty Holding Company, Inc. SWN Production Company and Equinor USA Onshore Properties, Inc.	16.80 ac	SWN Production Company EQT Production Company	*at least 1/8th per WV Code 22-6-8" OG 327A/290 OG 415A/536
/ 166850000	<u>AMP IV, LP, et al</u> AMP IV, LP	48.5 ac	EQT Production Company	*at least 1/8th per WV Code 22-6-8" OG 267A/757
/ 032L65	<u>Katherine Scott Soles, et al</u> Katherine Scott Soles	1.5 ac	EQT Production Company	*at least 1/8th per WV Code 22-6-8" Force Pooled Tract

032L65 Force Pooled Tract(s) Within Lease Boundaries

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



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 9H 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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Office of Oil and Gas
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WV Department of
Environmental Protection

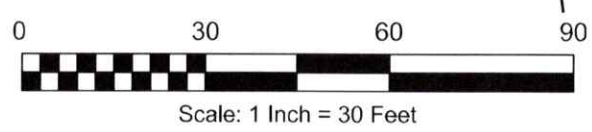
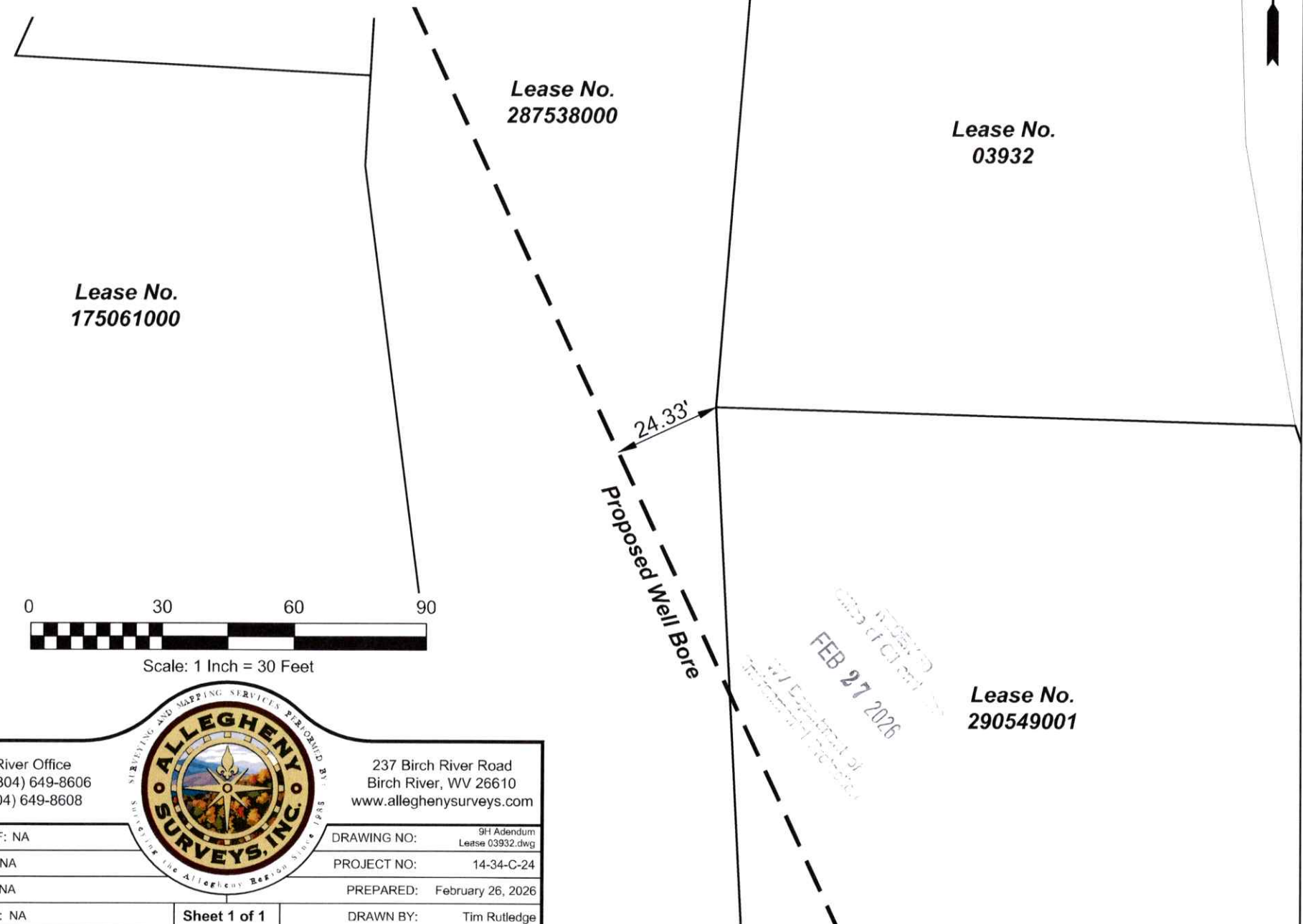
04/03/2026

Lease No.	Grantor, Lessor, etc.	Acres	Grantee, Lessee, etc.	Royalty	Book/Page
	<u>Three Rivers Royalty II, LLC, et al</u>			"at least 1/8th per WV Code 22-6-8"	
03448	Henry Sole South Penn Oil Company South Penn Natural Gas Company Pennzoil Company Pennzoil Company Pennzoil Products Company Pennzoil Exploration and Production Company PennzEnergy Exploration and Production, LLC Devon Energy Production Company Stephen T. Varner and Cynthia S. Varner, h/w East Resources, Inc. HG Energy, LLC American Energy-Marcellus, LLC Ascent Resources-Marcellus, LLC Tribune Resources, LLC	36.8 ac of 152 ac	South Penn Oil Company South Penn Natural Gas Company Pennzoil Company Pennzoil Products Company Pennzoil Products Company Pennzoil Exploration and Production Company PennzEnergy Exploration and Production, LLC Devon Energy Production Company East Resources, Inc. East Resources, Inc. HG Energy, LLC American Energy-Marcellus, LLC Ascent Resources-Marcellus, LLC Tribune Resources, LLC EQT Production Company		OG 51/139 OG 33A/455 <i>gap in chain</i> DB 319/397 DB 322/577 DB 363/384 CB 12/177 CB 12/278 DB 370/580 OG 88A/521 OG 118A/253 OG 153A/238 MB 114/619 CB 13/421 Force Pooled Tract
03932	<u>David M. Park</u> David M. Park	0.375 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	Force Pooled Tract

Force Pooled Tract(s) Within Lease Boundaries

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 11:41 AM
 DEPARTMENT OF REVENUE

Longwell 9H
EQT Production Company
 "Detail of Lease No. 03932"



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 Office of Civil and Environmental Protection
 FEB 27 2026
 WV 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: 9H Adendum Lease 03932.dwg	
PARTY CHIEF: NA		PROJECT NO: 14-34-C-24	
RESEARCH: NA		PREPARED: February 26, 2026	
SURVEYED: NA		DRAWN BY: Tim Rutledge	
FIELD CREW: NA		Sheet 1 of 1	



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 9H
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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OFFICE OF OIL AND GAS
FEB 27 2026
WV Department of
Environmental Protection

04/03/2026