

## 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

Monday, October 28, 2024 PERMIT MODIFICATION APPROVAL Horizontal 6A / New Drill

**EQT PRODUCTION COMPANY** 400 WOODCLIFF DR.

CANONSBURG, PA 15317

Re:

Permit Modification Approval for VANDERBILT 10H

47-049-02538-00-00

Lateral Extension

## **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.

Martin

Operator's Well Number: VANDERBILT 10H

Farm Name: LARRY AND TRISHA HIGGINS

U.S. WELL NUMBER: 47-049-02538-00-00

Horizontal 6A New Drill

Date Modification Issued: 10/28/2024

Promoting a healthy environment.

API NO. 47- 049	_ 02538
<b>OPERATOR WE</b>	LL NO. 10H /
Well Pad Name	e. Vanderbilt

# STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS WELL WORK PERMIT APPLICATION

					/	
1) Well Operat	tor: EQT Produ	ction Company	306686	Marion	Manningt	Glover Gap
			Operator ID	County	District	Quadrangle
2) Operator's V	Well Number: 10	Н	Well Pa	d Name: Vand	lerbilt	
3) Farm Name	Surface Owner:	Larry & Trisha H	Higgins Public Roa	ad Access: CR	-1	
4) Elevation, c	urrent ground:	1,358' (built) E	levation, proposed	post-construct	ion: 1,358'	(built)
5) Well Type	(a) Gas X		Und			
	Other					
	(b)If Gas Sha	llow X	Deep	4		
MANUAL MA		rizontal X				
-	l: Yes or No Yes			_		
Marcellus, 7,	735', 56', 2,620 ps	si	cipated Thickness a	and Expected P	ressure(s):	
8) Proposed To	otal Vertical Dept	h: 7,735'				
	t Total Vertical D		S			=
10) Proposed T	otal Measured D	epth: 21,337'	/			
11) Proposed E	Iorizontal Leg Le	ngth: 13,029'	/			
12) Approxima	te Fresh Water S	trata Depths:	253', 504'			
13) Method to	Determine Fresh	Water Depths:	Offset Wells - 049	-01784, 049-3	30593, 049-	30230
14) Approxima	te Saltwater Dept	ths: N/A				
15) Approxima	te Coal Seam De	pths: 1,181'-1,1	88'			PECENIED
16) Approxima	te Depth to Possi	ble Void (coal m	ine, karst, other):	N/A	0	ffice of Oil and Gas
17) Does Propo	sed well location	contain coal coa				OCT 23 2024
20 20 20 20 20 20 20 20 20 20 20 20 20 2	ng or adjacent to		Yes X	No	V Envi	VV Department of ronmental Protection
(a) If Yes, pro	vide Mine Info:	Name: Harri	ison County Mine			T.
CK# 601	5013	Depth: 1,18	1'-1,188'			
CK# 600	500 00	Seam: Pittsl	burgh			
		Owner: Harri	son County Coal	Resources, In	c. ,	
		Ko	enny Willett	10/23	124	

WW-6B
(04/15)

API NO. 47- 049 - 02538

OPERATOR WELL NO. 10H
Well Pad Name: Vanderbilt

18)

# CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	26	New	A252	85.6	53	53	45 ft^3 / CTS
Fresh Water	13 3/8	New	J-55	54.5	1238	1238	1135 ft^3 / CTS
Coal							
Intermediate	9 5/8	New	J-55	36	2685	2685	1035 ft^3 / CTS
Production	6	New	P-110	24	21337	21337	500' above intermediate casing
Tubing							
Liners							

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	26	30	0.312	1000	18	Class A/L	1.04 - 1.20
Fresh Water	13 3/8	17 1/2	0.380	2730	2184	Class A/L	1.04 - 1.20
Coal				N 000 000			
Intermediate	9 5/8	12 3/8 - 12 1/4	0.352	3520	2816	Class A/H/L	1.04 - 1.20
Production	6	8 3/4 - 8 1/2	0.400	14580	11664	Class A/H/L	1.04 - 2.10
Tubing				200 90.05 (Marchell			2.10
Liners							
						Office of C	212 273

OCT 1 7 2024

## **PACKERS**

Kind:		
Sizes:		
Depths Set:		
20		

Kenny Willett

API	NO.	47-	049	_	02538

OPERATOR WELL NO. 10H

Well Pad Name: Vanderbilt

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.

OCT 1 7 2024

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): 56.80 acres (built)
- 22) Area to be disturbed for well pad only, less access road (acres): 8.44 acres (built)
- 23) Describe centralizer placement for each casing string:
- Surface: Bow spring centralizers One centralizer at the shoe and one spaced every 500'.
- Intermediate: Bow spring centralizers- One centralizer at the shoe and one spaced every 500'.
- Production: One solid body centralizer spaced every other joint from production casing shoe to landing point. One solid body centralizer spaced every joint from landing point to planned top of cement.

# 24) Describe all cement additives associated with each cement type:

Conductor: Class A no additives

Surface: Calcium Chloride. Used to speed the setting of cement slurries

Intermediate: Calcium Chloride. Used to speed the setting of cement slurries. If applicable: Gas Migration Control Additive, Cement Retarder

Production: Calcium Carbonate, Fluid Loss, Extender, 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.

Kenny Willett

**EQT Production** Wellbore Diagram Well: Vanderbilt 10H County: Marion Pad: Vanderbilt State: West Virginia Elevation: 1358' GL 1371' KB Conductor @ 26", 85.6#, A252, cement to surface w/ Class A/L Surface @ 1,238' 13-3/8", 54.5#, J-55, cement to surface w/ Class A/L Intermediate @ 2,685' 9-5/8", 36#, J-55, cement to surface w/ Class A/H/L Production @ 21,337' MD / 7,735' TVD 6", 24#, P-110, cement to 500' inside 9-5/8" w/ Class A/H/L Formation: Marcellus 149012024LE **EQT Production** 

Hydraulic Fracturing Monitoring Plan

Pad ID: Vanderbilt

County: Marion

October 4, 2024

#### Purpose

The purpose of this pad-specific Hydraulic Fracturing Monitoring Plan is to identify and notify conventional well operators near EQT hydraulic fracturing in Marion County, WV prior to hydraulic fracturing at the following EQT wells on the Vanderbilt pad: 2H, 4H, 6H, 8H and 10H.

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**.

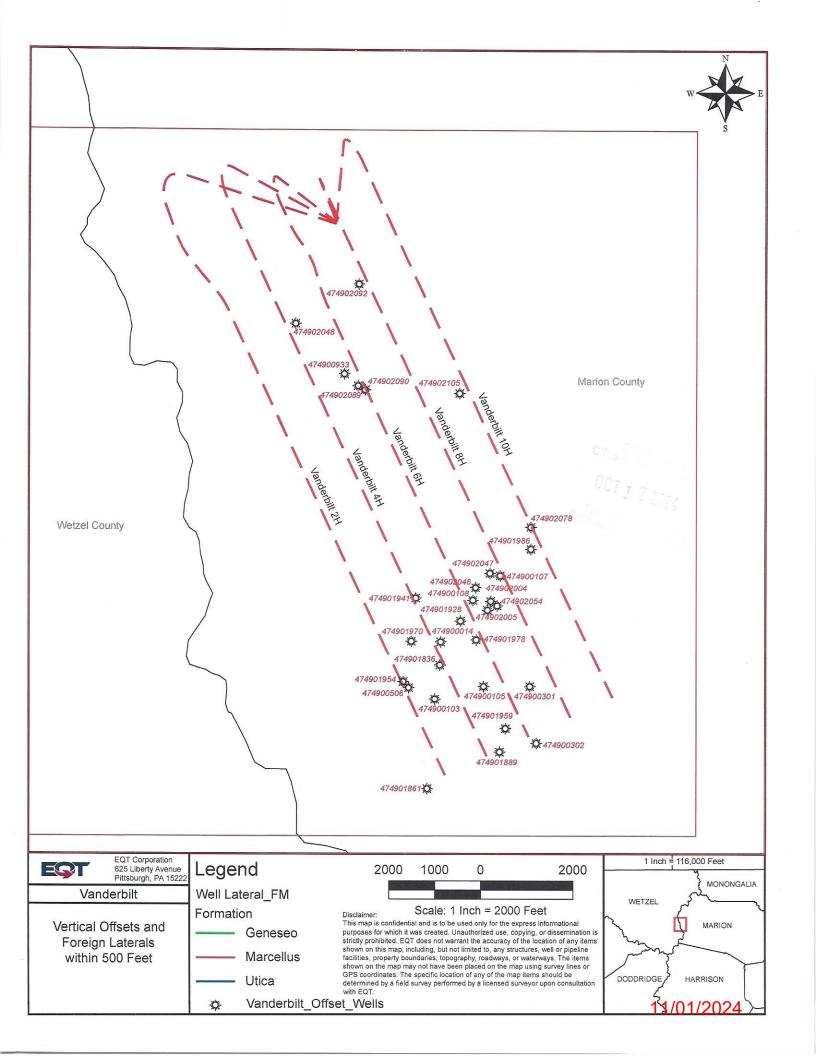
EQT will notify these operators of the hydraulic fracturing schedule for these wells, and coordinate with them throughout the fracturing process.

EQT will recommend to these operators at a minimum to:

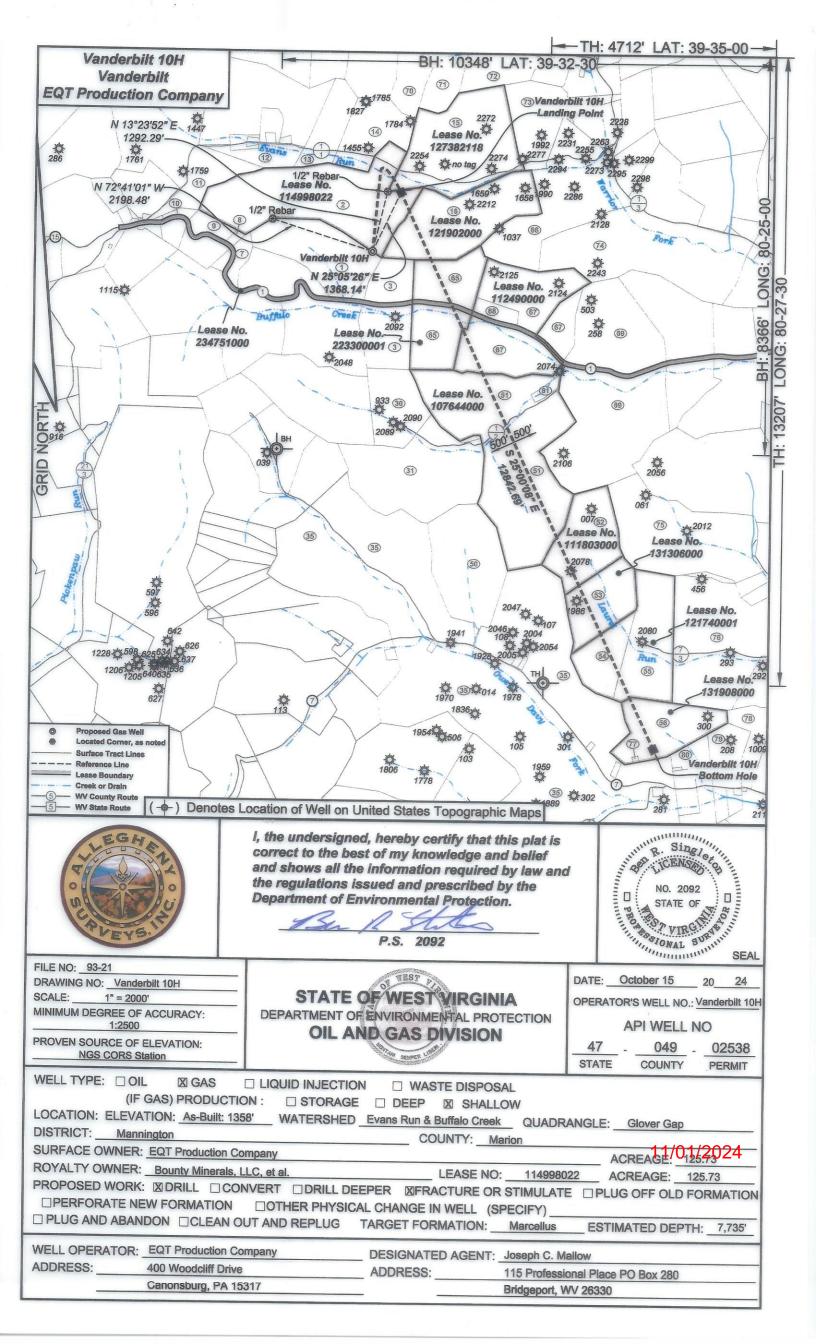
- Inspect their surface equipment prior to fracturing to establish integrity and establish prefrac well conditions
- Observe wells closely during and after fracturing and monitor for abnormal increases in water, gas or pressure
- Inspect or install master valves or other necessary equipment for wellhead 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

#### 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.



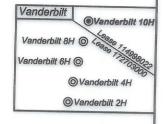
UWI	ABAND DATE CURR OPER	FLEV RE CD	FIELD NAME	FNL CLASS	LATITUDE	LONGITUDE OPER_NAME	PROJ_TD SPUD DATE ELE	VITION -	
017850000	GALLATIN FUELS INC	GR	COBURN-EARNSHAW	DEVELOPMENT WELL-GAS		-80.47583330 GALLATIN FUELS INC	PROJ_TD SPUD_DATE ELE 3700.00000000 6/26/2018	1421.00	TOT_DEPTH 3700.00
018270000	GALLATIN FUELS INC	GR	COBURN-EARNSHAW	DEVELOPMENT WELL-GAS		-80.47603930 GALLATIN FUELS INC	3700.00000000 6/26/2018	1421.00	3686.00
001030000	7/22/2008 SOUTH PENN OIL	GR	UNNAMED	DEVELOPMENT WELL-GAS		-80.46698200 SOUTH PENN OIL	0.00000000 7/2/1942	1348.00	3369.00
303600000	7/23/1942 PITTSBURGH OIL & GAS	GR	SMITHFIELD	DEVELOPMENT WELL-OIL	39.55140300	-80.48129800 PITTSBURGH OIL & GAS	0.00000000 6/1/1917	1331.00	2489.00
000140000	10/22/2008 SOUTH PENN OIL	GR	WALLACE-FOLSOM	DEVELOPMENT WELL-OIL	39.52163700	-80.46732600 SOUTH PENN OIL	0.00000000 1/17/1930	1320.00	3368.00
005060000	CONSOLIDATION COAL CO	TS	WALLACE-FOLSOM	DEVELOPMENT WELL-OIL	39.51917000	-80.46901210 PENNZOIL CO INC	0.00000000 11/3/1928	1300.00	3342.00
018360000	10/29/2007 CONSOLIDATION COAL CO	GR	WALLACE-FOLSOM	DEVELOPMENT WELL-GAS	39.52044440	-80.46641670 CONSOLIDATION COAL CO	0.00000000 18010101	1274.00	1600.00
001050000	8/27/2007 EAST RESOURCES	GR	WALLACE-FOLSOM	DEVELOPMENT WELL-OIL		-80.46481200 SOUTH PENN OIL	0.00000000 10/2/1942	1252.00	3261.00
001080000	4/26/1974 SOUTH PENN OIL	GR	WALLACE-FOLSOM	DEVELOPMENT WELL-OIL		-80.46350900 SOUTH PENN OIL	0.00000000 10/2/1942	1208.00	3130.00
020470000	10/20/2009 CONSOLIDATION COAL CO	GR	WALLACE-FOLSOM	DEVELOPMENT WELL-GAS		-80.46288890 CONSOLIDATION COAL CO	0.00000000 18010101	1200.00	1565.00
017770000 003020000	11/7/2006 CONSOLIDATION COAL CO 9/2/2008 EQUITABLE GAS CO	GR	WALLACE-FOLSOM	DEVELOPMENT WELL-GAS		-80.46177780 CONSOLIDATION COAL CO	0.00000000 18010101	1195.00	1368.00
001070000	5/4/1974 SOUTH PENN OIL	GR GR	LOGANSPORT WALLACE-FOLSOM	GAS STORAGE WELL		-80.45913400 EQUITABLE GAS CO	0.00000000 9/1/1970	1191.00	1535.00
020890000	3/18/2010 CONSOLIDATION COAL CO	GR	UNNAMED	DEVELOPMENT WELL-GAS DEVELOPMENT WELL-GAS		-80.46182000 SOUTH PENN OIL	0.00000000 7/2/1942	1178.00	3126.00
020540000	11/5/2009 CONSOLIDATION COAL CO	GR	WALLACE-FOLSOM	DEVELOPMENT WELL-OIL		-80.47277780 CONSOLIDATION COAL CO -80.46230560 CONSOLIDATION COAL CO	0.00000000 18010101	1150.00	1500.00
014550000	GALLATIN FUELS INC	КВ	SEVEN PINES	DEVELOPMENT WELL-GAS		-80.47557220 FALCON HOLDINGS LLC	0.00000000 18010101 3350.00000000 12/22/2003	1149.00	1300.00
014550001	GALLATIN FUELS INC	КВ	SEVEN PINES	DEVELOPMENT WELL-GAS		-80.47557220 FALCON HOLDINGS LLC	3400.00000000 9/5/2004	1109.00 1109.00	2300.00 3426.00
021050000	6/1/2010 CONSOLIDATION COAL CO	GR	UNNAMED	DEVELOPMENT WELL-GAS		-80.46536110 CONSOLIDATION COAL CO	0.00000000 18010101	1077.00	1251.00
700520000	SOUTH PENN OIL	GR	WALLACE-FOLSOM	DEVELOPMENT WELL-OIL		-80.46376610 SOUTH PENN OIL	0.00000000 6/8/1902	1075.00	3013.00
003010000	11/24/2006 EQUITABLE GAS CO	GR	LOGANSPORT	GAS STORAGE WELL		-80.45968200 EQUITABLE GAS CO	0.00000000 6/1/1970	1046.00	2341.00
009330000	4/6/2010 LEATHERWOOD INC	GR	UNNAMED	DEVELOPMENT WELL-OIL	39.53787700	-80.47421700 GARNER & GAWTHROP INC	0.00000000 18010101	1046.00	0.00
700510000	SOUTH PENN OIL		UNKNOWN	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	39.52439500	-80.46826200 SOUTH PENN OIL	0.00000000 18010101	0.00	0.00
300210000	9/27/1930 SOUTHERN OIL INC		UNKNOWN	UNCLASSIFIED		-80.48268700 SOUTHERN OIL INC	0.00000000 2/12/1917	0.00	0.00
702110000	SOUTH PENN OIL		UNKNOWN	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS		-80.47163400 SOUTH PENN OIL	0.00000000 18010101	0.00	0.00
722760000	UNKNOWN		UNKNOWN	UNCLASSIFIED		-80.47294600 UNKNOWN	0.00000000 18010101	0.00	0.00
722770000	UNKNOWN		UNKNOWN	UNCLASSIFIED		-80.48231300 UNKNOWN	0.00000000 18010101	0.00	0.00
722590000 722600000	UNKNOWN UNKNOWN		UNKNOWN	UNCLASSIFIED		-80.47463200 UNKNOWN	0.00000000 18010101	0.00	0.00
722610000	UNKNOWN		UNKNOWN	UNCLASSIFIED UNCLASSIFIED		-80.47837810 UNKNOWN	0.00000000 18010101	0.00	0.00
722680000	UNKNOWN		UNKNOWN	UNCLASSIFIED		-80.48062700 UNKNOWN -80.48418600 UNKNOWN	0.00000000 18010101	0.00	0.00
722690000	UNKNOWN		UNKNOWN	UNCLASSIFIED		-80.48418600 UNKNOWN	0.00000000 18010101	0.00	0.00
722830000	UNKNOWN		UNKNOWN	UNCLASSIFIED		-80.47538100 UNKNOWN	0.00000000 18010101 0.00000000 18010101	0.00	0.00
722850000	UNKNOWN		UNKNOWN	UNCLASSIFIED		-80.47669200 UNKNOWN	0.00000000 18010101	0.00	0.00
722970000	UNKNOWN		UNKNOWN	UNCLASSIFIED		-80.46395300 UNKNOWN	0.00000000 18010101	0.00	0.00
722730000	UNKNOWN		UNKNOWN	UNCLASSIFIED	39.54646800	-80.48605900 UNKNOWN	0.00000000 18010101	0.00	0.00
722750000	UNKNOWN		UNKNOWN	UNCLASSIFIED	39.54574200	-80.48062700 UNKNOWN	0.00000000 18010101	0.00	0.00
722860000	UNKNOWN		UNKNOWN	UNCLASSIFIED	39.53194200	-80.47688000 UNKNOWN	0.00000000 18010101	0.00	0.00
723000000	UNKNOWN		UNKNOWN	UNCLASSIFIED		-80.46545200 UNKNOWN	0.00000000 18010101	0.00	0.00
723020000	UNKNOWN		UNKNOWN	UNCLASSIFIED		-80.46376610 UNKNOWN	0.00000000 18010101	0.00	0.00
723010000	UNKNOWN		UNKNOWN	UNCLASSIFIED		-80.46788800 UNKNOWN	0.00000000 18010101	0.00	0.00
723030000 722740000	UNKNOWN UNKNOWN		UNKNOWN	UNCLASSIFIED		-80.46601400 UNKNOWN	0.00000000 18010101	0.00	0.00
722780000	UNKNOWN		UNKNOWN	UNCLASSIFIED UNCLASSIFIED		-80.48250000 UNKNOWN	0.00000000 18010101	0.00	0.00
722870000	UNKNOWN		UNKNOWN	UNCLASSIFIED		-80.48512300 UNKNOWN -80.46357900 UNKNOWN	0.00000000 18010101	0.00	0.00
302110000	7/21/1939 CARNEGIE NATURAL GAS CORP		UNKNOWN	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS		-80.45945700 CARNEGIE NATURAL GAS CORP	0.00000000 18010101 0.00000000 18010101	0.00	0.00
722940000	UNKNOWN		UNKNOWN	UNCLASSIFIED		-80.45731900 UNKNOWN	0.00000000 18010101	0.00	0.00
722950000	HOPE NATURAL GAS		UNKNOWN	UNCLASSIFIED		-80.45983200 HOPE NATURAL GAS	0.00000000 18010101	0.00	0.00
722980000	UNKNOWN		UNKNOWN	UNCLASSIFIED		-80.46282900 UNKNOWN	0.00000000 18010101	0.00	0.00
722990000	UNKNOWN		UNKNOWN	UNCLASSIFIED		-80.46208000 UNKNOWN	0.00000000 18010101	0.00	0.00
723060000	UNKNOWN		UNKNOWN	UNCLASSIFIED	39.51655800	-80.46170500 UNKNOWN	0.00000000 18010101	0.00	0.00
723070000	UNKNOWN		UNKNOWN	UNCLASSIFIED	39.51510600	-80.46189300 UNKNOWN	0.00000000 18010101	0.00	0.00
019780000	3/10/2008 CONSOLIDATION COAL		UNNAMED	UNCLASSIFIED	39.52188000	-80.46370000 CONSOLIDATION COAL	0.00000000 18010101	0.00	0.00
020050000	12/1/2009 CONSOLIDATION COAL		UNNAMED	UNCLASSIFIED		-80.46322010 CONSOLIDATION COAL	0.00000000 18010101	0.00	0.00
020900000	2/26/2010 CONSOLIDATION COAL		UNNAMED	UNCLASSIFIED		-80.47255000 CONSOLIDATION COAL	0.00000000 18010101	0.00	0.00
020920000	4/26/2010 CONSOLIDATION COAL			UNCLASSIFIED		-80.47321000 CONSOLIDATION COAL	0.00000000 18010101	0.00	0.00
019280000 019410000	11/4/2008 CONSOLIDATION COAL 2/5/2008 CONSOLIDATION COAL		UNNAMED	UNCLASSIFIED		-80.46507000 CONSOLIDATION COAL	0.00000000 18010101	0.00	0.00
019410000	3/7/2008 CONSOLIDATION COAL			UNCLASSIFIED UNCLASSIFIED		-80.46769000 CONSOLIDATION COAL	0.00000000 18010101	0.00	0.00
019700000	9/16/2008 CONSOLIDATION COAL			UNCLASSIFIED		-80.46919000 CONSOLIDATION COAL -80.46867000 CONSOLIDATION COAL	0.00000000 18010101	0.00	0.00
<b>19860000</b>	12/19/2008 CONSOLIDATION COAL			UNCLASSIFIED		-80.45919010 CONSOLIDATION COAL -80.45919010 CONSOLIDATION COAL	0.00000000 18010101 0.00000000 18010101	0.00	0.00
020040000	3/2/2009 CONSOLIDATION COAL			UNCLASSIFIED		-80.46281000 CONSOLIDATION COAL	0.00000000 18010101	0.00	0.00
020780000	7/23/2010 CONSOLIDATION COAL			UNCLASSIFIED		-80.45967000 CONSOLIDATION COAL	0.00000000 18010101	0.00	0.00
019590000	5/8/2008 CONSOLIDATION COAL			UNCLASSIFIED		-80.46170000 CONSOLIDATION COAL	0.00000000 18010101	0.00	0.00
							20.000 (20.00 (20.7),	5.55	0.00

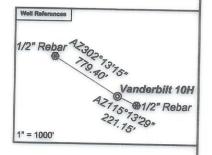


# Vanderbilt 10H Vanderbilt EQT Production Company

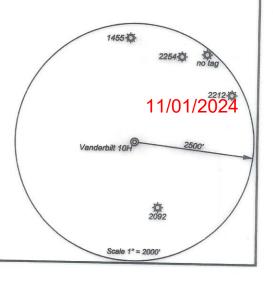
	200tion (	company
act I.D. TaxiVlap	No. Parcel No.	County District
1 45	11	Marion Manningto
2 45	17	Marion Manningto
3 45	5	Marion Manningto
7 45	13	Marion Manningto
8 45	14.2	Marion Manningto
9 45	14.1	Marion Manningto
10 45	14.4	Marion Manningto
11 45	16	Marion Manningto
12 45	26	Marion Manningto
13 45	25.1	Marion Manningto
14 45	24	Marion Manningto
15 45	23	Marion Mannington
16 45	20	Marion Mannington
30 46	6.1	Marion Mannington
31 46	6	Marion Mannington
35 46	2	Marion Mannington
50 46	4	Marion Mannington
51 46	5	Marion Mannington
52 48	1	Marion Mannington
3 48	2	Marion Mannington
48	3	Marion Mannington
5 48	4	Marion Mannington
6 48	5	Marion Mannington
5 45	10	Marion Mannington
6 45	21	Marion Mannington
7 45	9	Marion Mannington
8 45	6.1	Marion Mannington
9 45	8	Marion Mannington
0 43		Marion Mannington
1 43		Marion Mannington
2 42		Marion Mannington
3 45		Marion Mannington
4 44	37	Marion Mannington
5 48	18	Marion Mannington
3 48		Marion Mannington
7 48		Warion Mannington
3 48		Varion Mannington
48		Varion Mannington
48		Varion Mannington
46		Varion Mannington

Surface Tract Owner	Acres
Lamy D. & Trisha B. Higgins	60
EQTProduction Company	125.73
Harry R & Susanne M. Morris	52
Thelma L. Coen	11
Thelma L. Coen	1.6
Patricia F. Powell	8.59
Thomas A. & Karen J. Hixenbaug	gh 3
Keith A Powell	27.29
John M. Proffitt, Sr.	14.6
Richard K & Dawn K Jones	5.71
Barbara E. Henderson, et al.	38.5
Thomas L. Snodgrass	105.5
<b>EQTProduction Company</b>	78.5
Patricia A. Cotherman	40
Patricia A. Cotherman	100
Marion County Commission	644.34
Mike Ross Inc	67.47
RubyL Herndon	182.04
David L & Karla A James	56.5
<b>EQTProduction Company</b>	40
Mark A. Barron	27.5
Mark A Barron	57
Marion County Coal Resources Inc	c. 46.83
Lisa A & Baron R Powell	68
Vickle E Lucas	103.19
Jeffrey B. & Pamela J. Gray	107.28
Barron R & Mary A. Powell	8
Sharon A. Grim	185.96
Gary E & Alice E Young	37.2
Wilbert & Alberta Higgins	32.5
Sharon A. Grim	33
Thomas L Snodgrass	44.43
Priscilla A Hamilton	157.3
Jason D. Beaty, et al.	101.25
George A. & Ada D. Stahl	117.5
County Commission of Marion Count	ty 0.36
Timothy & Tonya Haught	18.18
Marion County Coal Resources Inc.	26.61
Merion County Coal Resources Inc.	19.34
NancyA & TracyR Powell	2.96





Lease No.	Owner	Α-
114998022	Bounty Minerals, LLC, et al.	Acres
127382118	Regina C. Evans, et al.	125.73
121902000	Timothy D. Gooch	105.5
	Lee and Hall Royalties, et al.	78.5
234751000	West Virginia Department of Towns at 11	68
112490000	West Virginia Department of Transportation, Division of Highways Ridgetop Appalachia LLC, et al.	46.86
	XTO Energy, Inc.	108
111902000	Country Pay to Att 1110	185
121202000	Country Roads Minerals LLC, et al.	56
131300000	EQT Production Company	40
121740001	EQT Production Company, et al.	84
131908000	Bounty Minerals, LLC	48



## 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

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 - Subsurface Permitting

Page 1 of 3

Lease No.	Grantor, Lessor, etc.	Acres	Grantee, Lessee, etc.	Royalty	Book/Page	
<u>/ 114998022</u>	Bounty Minerals, LLC, et al. Bounty Minerals, LLC Antero Resources Corporation	125.73 ac	Antero Resources Corporation EQT Production Company	"at least 1/8th per WV Code 22-6-8"	DB 1223/161 AB 56/332	
<u>/127382118</u>	Regina C. Evans, et al. Regina C. Evans	105.5 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	DB 1297/517	
<u>/ 121902000</u>	Timothy D. Gooch Timothy D. Gooch Antero Resources Corporation	78.5 ac	Antero Resources Corporation EQT Production Company	"at least 1/8th per WV Code 22-6-8"	DB 1199/256 AB 56/332	
<u> 223300001</u>	Lee and Hall Royalties, et al. Lee and Hall Royalties, a Partnership	68 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	DB 1310/1079	
<u>234751000</u>	West Virginia Department of Transportation, Division of Highways West Virginia Department of Transportation, Division of Highways	46.86 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	DB 1336/524	
/ <u>112490000</u>	Equitrans, Inc. Equitable Gas Company, LLC Equitrans, LP	108 ac	Equitable Gas Company Equitrans, Inc. Equitable Gas Company, LLC Equitrans, LP EQT Production Company	"at least 1/8th per WV Code 22-6-8"	DB 663/383 AB 12/279 DB 1148/296 AB 46/660 DB 1114/127	(Sublease
/ <u>107644000</u>	XTO Energy, Inc.  Howard Digman, et ux., et al.  Equitable Gas Company  Equitrans, Inc.  Equitable Gas Company LLC, et al.  Equitrans, LP	185 ac	Equitable Gas Company Equitrans, Inc. Equitable Gas Company LLC Equitrans, LP EQT Production Company	"at least 1/8th per WV Code 22-6-8"	DB 724/651 AB 12/279 DB 1148/296 AB 46/660 DB 1114/127	(sublease)

				W 17 1 17000		
	Country Roads Minerals LLC, et al.			"at least 1/8th per WV Code 22-6-8"		
<u>111803000</u>	Lana Hays and J. H. Hays, her husband Carnegie Natural Gas Company Equitable Gas Company Equitrans, Inc. Equitable Gas Company, LLC Equitrans, LP	56 ac	Carnegie Natural Gas Company Equitable Gas Company Equitrans, Inc. Equitable Gas Company, LLC Equitrans, LP EQT Production Company	WV Code 22-6-8**	DB 286/161 DB 568/353 AB 12/279 DB 1148/296 AB 46/660 DB 1114/127	(Sublease)
/ 131306000	EQT Production Company Edward R. Barron, Jr., and Vicky Sue Barron, husband and wife			"at least 1/8th per WV Code 22-6-8"		
		40 ac	EQT Production Company		DB 1135/113	
/ 121740001	EQT Production Company, et al. Carl V. Burdine and Doris N. Burdine, his wife Equitable Gas Company Equitrans, Inc. Equitable Gas Company, LLC Equitrans, LP	84 ac	Equitable Gas Company Equitrans, Inc. Equitable Gas Company, LLC Equitrans, LP EQT Production Company	"at least 1/8th per WV Code 22-6-8"	DB 729/370 AB 12/279 DB 1148/296 AB 46/660 DB 1114/127	(Sublease)
/ 131908000	Bounty Minerals, LLC			"at least 1/8th per WV Code 22-6-8"		
	John D. Cunningham and Florence Cunningham, his wife Equitable Gas Company Equitrans, Inc. Equitable Gas Company, LLC Equitrans, LP	48 ac	Equitable Gas Company Equitrans, Inc. Equitable Gas Company, LLC Equitrans, LP EQT Production Company		DB 730/264 AB 12/279 DB 1148/296 AB 46/660 DB 1114/130	(Sublease)



October 16, 2024

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:

 $Well\ Work\ Permit\ Application\ Modification\ -\ EXPEDITED\ REVIEW\ REQUESTED$ 

Vanderbilt 10H

Permit Number 47-049-02538

Mannington District, Marion 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 \$7,500.00 for the expedited permit modification 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
- CD including the Water Management Plan Modification Application

EQT is proposing to extend the lateral from the previously permitted length.

EQT Production trusts that if any portion of the submitted documentation is found to be inadequate for processing the permit, notification will be made to our Permitting department at your earliest convenience. It is EQT Production's intent to cooperate fully to provide any additional requested documentation and clarification in a timely manner such that permitting proceeds in a predictable and logical manner.

Best Regards,

Branden Weimer

Regional Manager – Permitting

Branden.Weimer@eqt.com

412-997-7940