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west virginia department of environmental protection

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

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

Monday, March 31, 2025  
WELL WORK PERMIT  
Horizontal 6A / Drilling Deeper

EQT CHAP LLC  
400 WOODCLIFF DR.

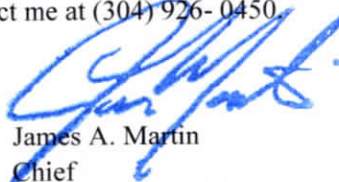
CANONSBURG, PA 15317

Re: Permit approval for HINES M13H  
47-051-02158-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926-0450.



James A. Martin  
Chief

Operator's Well Number: Hines M13H  
Farm Name: DONALD HINES ET UX  
U.S. WELL NUMBER: 47-051-02158-00-00  
Horizontal 6A Drilling Deeper  
Date Issued: 3/31/2025

Promoting a healthy environment.

04/04/2025

## PERMIT CONDITIONS

West Virginia Code § 22-6A-8(d) allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

### CONDITIONS

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1. This proposed activity may require permit coverage from the United States Army Corps of Engineers (USACE). Through this permit, you are hereby being advised to consult with USACE regarding this proposed activity.
2. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6A-5a (12), which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than one hundred (100) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
3. When compacting fills, each lift before compaction shall not be more than 12 inches in height, and the moisture content of the fill material shall be within limits as determined by the Standard Proctor Density test of the actual soils used in specific engineered fill, ASTM D698, Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort, to achieve 95 % compaction of the optimum density. Each lift shall be tested for compaction, with a minimum of two tests per lift per acre of fill. All test results shall be maintained on site and available for review.
4. Operator shall install signage per § 22-6A-8g (6) (B) at all source water locations included in their approved water management plan within 24 hours of water management plan activation.
5. Oil and gas water supply wells will be registered with the Office of Oil and Gas and all such wells will be constructed and plugged in accordance with the standards of the Bureau for Public Health set forth in its Legislative rule entitled *Water Well Regulations*, 64 C.S.R. 19. Operator is to contact the Bureau of Public Health regarding permit requirements. In lieu of plugging, the operator may transfer the well to the surface owner upon agreement of the parties. All drinking water wells within fifteen hundred feet of the water supply well shall be flow tested by the operator upon request of the drinking well owner prior to operating the water supply well.
6. Pursuant to the requirements pertaining to the sampling of domestic water supply wells/springs the operator shall, no later than thirty (30) days after receipt of analytical data provide a written copy to the Chief and any of the users who may have requested such analyses.
7. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Also, 24 hours prior to the initiation of the completion process the operator shall notify the Chief or his designee.
8. During the completion process the operator shall monitor annular pressures and report any anomaly noticed to the chief or his designee immediately.
9. If any explosion or other accident causing loss of life or serious personal injury occurs in or about a well or well work on a well, the well operator or its contractor shall give notice, stating the particulars of the explosion or accident, to the oil and gas inspector and the Chief, within 24 hours of said accident.
10. During the casing and cementing process, in the event cement does not return to the surface, the oil and gas inspector shall be notified within 24 hours.
11. The operator shall provide to the Office of Oil and Gas the dates of each of the following within 30 days of their occurrence: completion of construction of the well pad, commencement of drilling, cessation of drilling, completion of any other permitted well work, and completion of the well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov.

04/04/2025

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

1) Well Operator: <u>EQT CHAP LLC</u>	494525804	Marshall	Washington	Moundsville, WV 7.5'
	Operator ID	County	District	Quadrangle

2) Operator's Well Number: M13H Well Pad Name: Hines

3) Farm Name/Surface Owner: Donald Hines et UX Public Road Access: Campbell Hill Road/WV-38

4) Elevation, current ground: 1,125' (built) Elevation, proposed post-construction: 1,125' (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, 6,540', 51', 0.64 psi/ft gradient (already drilled)

8) Proposed Total Vertical Depth: 6,312'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 24,564'

11) Proposed Horizontal Leg Length: 16,999'

12) Approximate Fresh Water Strata Depths: 365'

13) Method to Determine Fresh Water Depths: Tophole Section Already Drilled

14) Approximate Saltwater Depths: 1,039', 1595', 1632'

15) Approximate Coal Seam Depths: 365', 655'

16) Approximate Depth to Possible Void (coal mine, karst, other): N/A

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: Ireland Mine  
Depth: 655'  
Seam: Pittsburgh  
Owner: Marshall County Coal Resources, Inc.

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**MAR 26 2025**  
WV Department of  
Environmental Protection

*Strader Gower*  
02/03/2025

WW-6B  
(04/15)

API NO. 47- 051 - 02158  
OPERATOR WELL NO. M13H  
Well Pad Name: Hines

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	20	New	X-52	78.6	50	50	N/A
Fresh Water	13 3/8	New	J-55	54.5	460	460	533 ft^3 / CTS
Coal							
Intermediate	9 5/8	New	L-80	40	2039	2039	820 ft^3 / CTS
Production	5 1/2	New	P-110	20	22931	22931	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	20	30					
Fresh Water	13 3/8	17 1/2	0.380	2730	1911	Class A	1.19
Coal							
Intermediate	9 5/8	12 3/8 - 12 1/4	0.395	5750	2768	Class A	1.19
Production	5 1/2	8 3/4 - 8 1/2	0.361	14360	11488	Class A/H/L	1.04 - 2.10
Tubing							
Liners							

**PACKERS**

Kind:			RECEIVED Office of Oil and Gas
Sizes:			MAR 26 2025
Depths Set:			Environmental Protection

*Strader Gower*  
02/03/2025



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

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

20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:

Hydraulic fracturing is completed in accordance with state regulations using water recycled from previously fractured wells and obtained from freshwater sources. This water is mixed with sand and a small percentage (less than 0.1%) of chemicals (including 15% Hydrochloric acid, friction reducer, biocide, and scale inhibitor), referred to in the industry as a "slickwater" completion. Maximum anticipated internal casing pressure is expected to be approximately 10,000 psi, maximum anticipated treating rates are expected to average approximately 100 bpm. Stage lengths vary from 150 to 300 feet. Average approximately 350,000 gallons of water per stage. Sand sizes vary from 100 mesh to 20/40 mesh. Average approximately 200,000-600,000 pounds of proppant per stage.

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 22.6 (built)

22) Area to be disturbed for well pad only, less access road (acres): 6.8 (built)

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23) Describe centralizer placement for each casing string:

MAR 26 2025

- Surface: (1) on shoe track w/ stop collar & (1) per jt over couplings to surface.
- Intermediate: (1) on shoe track w/ stop collar & (1) per 3 jts over coupling.
- 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.

WV Department of  
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24) Describe all cement additives associated with each cement type:

For the water string the blend will contain Class A cement, 3% CaCl<sub>2</sub> and flake. The intermediate will contain Class A cement, 3% CaCl<sub>2</sub> and flake.

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.

WR-35  
Rev. 8/23/13

FEB 28 2025

Page \_\_\_ of \_\_\_

WV Department of  
Environmental ProtectionState of West Virginia  
Department of Environmental Protection - Office of Oil and Gas  
Well Operator's Report of Well Work

API 47 - 051 - 02158 County Marshall District Washington  
Quad \_\_\_\_\_ Pad Name Hines Field/Pool Name N/A  
Farm name Donald Hines et UX Well Number M13H  
Operator (as registered with the OOG) EQT CHAP LLC  
Address \_\_\_\_\_ City Canonsburg State West Virginia Zip 15317

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey  
Top hole Northing 4417400.512 Easting 525708.256  
Landing Point of Curve Northing \_\_\_\_\_ Easting \_\_\_\_\_  
Bottom Hole Northing 4,417,766.84 Easting 526,339.59

Elevation (ft) 1125' GL Type of Well ☒ New ☐ Existing Type of Report ☐ Interim ☒ Final  
Permit Type ☐ Deviated ☐ Horizontal ☒ Horizontal 6A ☐ Vertical Depth Type ☐ Deep ☐ Shallow  
Type of Operation ☐ Convert ☐ Deepen ☒ Drill ☐ Plug Back ☐ Redrilling ☐ Rework ☐ Stimulate  
Well Type ☐ Brine Disposal ☐ CBM ☒ Gas ☐ Oil ☐ Secondary Recovery ☐ Solution Mining ☐ Storage ☐ Other \_\_\_\_\_  
Type of Completion ☐ Single ☐ Multiple Fluids Produced ☐ Brine ☐ Gas ☐ NGL ☐ Oil ☐ Other \_\_\_\_\_  
Drilled with ☐ Cable ☒ Rotary

Drilling Media Surface hole ☒ Air ☐ Mud ☐ Fresh Water Intermediate hole ☒ Air ☐ Mud ☐ Fresh Water ☐ Brine  
Production hole ☐ Air ☐ Mud ☐ Fresh Water ☐ Brine  
Mud Type(s) and Additive(s) \_\_\_\_\_

Date permit issued 02/22/2019 Date drilling commenced 03/21/2019 Date drilling ceased 05/27/2019  
Date completion activities began \_\_\_\_\_ Date completion activities ceased \_\_\_\_\_  
Verbal plugging (Y/N) N Date permission granted N/A Granted by N/A

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft 365 Open mine(s) (Y/N) depths N  
Salt water depth(s) ft 1039,1595,1632 Void(s) encountered (Y/N) depths N  
Coal depth(s) ft 365,655 Cavern(s) encountered (Y/N) depths N  
Is coal being mined in area (Y/N) Y

Reviewed by:

04/04/2025

API 47-051 - 02158

Farm name Donald Hines et UX

Well number M13H

CASING STRINGS	Hole Size	Casing Size	Depth (GL)	New or Used	Grade wt/ft	Basket Depth(s) (GL)	Did cement circulate (Y/ N) * Provide details below*
Conductor	30"	20"	50'	NEW	X-52 78.6#	N/A	Y
Surface	17-1/2"	13-3/8"	460'	NEW	J-55 54.5#	N/A	Y
Coal							
Intermediate 1	12-3/8"	9-5/8"	2039'	NEW	L-80 40#	N/A	Y
Intermediate 2							
Intermediate 3							
Production						N/A	N
Tubing							
Packer type and depth set							

Comment Details

No issues during cement job.

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft <sup>3</sup> /sks)	Volume (ft <sup>3</sup> )	Cement Top (GL)	WOC (hrs)
Conductor	CLASS A	N/A	N/A	N/A	N/A	0	8+
Surface	CLASS A	448	15.6	1.19	533	0	8
Coal							
Intermediate 1	CLASS A	687	15.6	1.19	817	0	8
Intermediate 2							
Intermediate 3							
Production							
Tubing							

Drillers TD (ft) 6365'

Loggers TD (ft) N/A

Deepest formation penetrated MARCELLUS

Plug back to (ft) N/A

Plug back procedure

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Kick off depth (ft) 2203'

Check all wireline logs run

☐ caliper ☐ density ☒ deviated/directional ☐ induction  
☐ neutron ☐ resistivity ☒ gamma ray ☐ temperature ☐ sonic

Well cored ☐ Yes ☒ No ☐ Conventional ☐ Sidewall

Were cuttings collected ☐ Yes ☒ No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING

CONDUCTOR- NONE

SURFACE- ON SHOE TRACK AND EVERY 500' TO SURFACE

INTERMEDIATE- ON SHOE TRACK AND EVERY 500' FEET TO SURFACE

WAS WELL COMPLETED AS SHOT HOLE ☐ Yes ☐ No DETAILS

WAS WELL COMPLETED OPEN HOLE? ☐ Yes ☐ No DETAILS

WERE TRACERS USED ☐ Yes ☐ No TYPE OF TRACER(S) USED

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**Well number** M13H

[illegible]

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**Complete a separate record for each stimulation stage.**

[illegible]

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Well number M13H

DEPTHS

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OIL TEST   ☐ Flow   ☐ Pump

OPEN FLOW	Gas	Oil	NGL	Water	GAS MEASURED BY		
	mcfpd	bpd	bpd	bpd	<input type="checkbox"/> Estimated	<input type="checkbox"/> Orifice	<input type="checkbox"/> Pilot

LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN FT MD	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H <sub>2</sub> S, ETC)
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[illegible]

Attach copy of FRACFOCUS Registry

04/04/2025



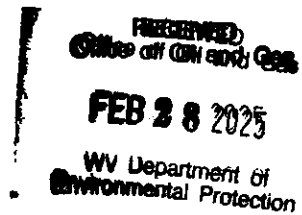
API 47- 051 - 02158 Farm name Donald Hines et UX Well number M13H

Drilling Contractor \_\_\_\_\_  
Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Logging Company Scientific Drilling International  
Address 124 Vista Drive City Charleroi State PA Zip 15022

Logging Company \_\_\_\_\_  
Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Drilling Contractor \_\_\_\_\_  
Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_



Well # Hines M13H Final Formations API # 47-051-02158				
Formation Name	Drill Top MD (ftGRD)	Drill Top (TVD) (ftGRD)	Drill Btm MD (ftGRD)	Drill Btm (TVD) (ftGRD)
Sand/Shale	1	1	366	366
Waynesburg Coal	366	366	369	369
Sand/Shale	369	369	656	656
Pittsburgh Coal	656	656	662	662
Sand/Shale	662	662	1,596	1,596
Big Lime	1,596	1,596	1,658	1,658
Sand/Shale	1,658	1,658	1,832	1,832
Burgoon	1,832	1,832	1,985	1,985
Sand/Shale	1,985	1,985	2,199	2,199
Berea	2,199	2,199	2,220	2,220
Sand/Shale	2,220	2,220	2,456	2,454
Gordon	2,456	2,454	2,531	2,528
Sand/Shale	2,531	2,528	4,978	4,483
Elk	4,978	4,483	4,979	4,484
Sand/Shale	4,979	4,484	5,639	4,982
Rhinestreet	5,639	4,982	6,365	5,526

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BHL is located on topo map 2,606 feet south of Latitude: 39° 55' 00"  
 SHL is located on topo map 3,788 feet south of Latitude: 39° 55' 00"

**SEE PAGE 2 FOR SURFACE OWNERS AND LESSORS**

**NOTES:**

- There are no water wells or developed springs within 250' of proposed well.
- Proposed well is greater than 100' from perennial stream, wetland, pond, reservoir or lake.
- There are no native trout streams within 300' of proposed well.
- Proposed well is greater than 1000' from surface groundwater intakes or public water supply.
- It is not the purpose or intention of this plat to represent surveyed locations of the surface or mineral parcels depicted hereon. The location of the boundary lines, as shown, are based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted.
- There are no existing buildings within 625' of proposed well.

**AS-DRILLED LOCATIONS**  
 UTM 17-WAD83(M)  
**SURFACE HOLE LOCATION (SHL)**  
 N:4417405.08  
 E:525708.36  
**APPROX LANDING POINT (LP)**  
 N:4417405.08  
 E:525708.36  
**BOTTOM HOLE LOCATION (BHL)**  
 N:4417766.84  
 E:526339.59

LINE	BEARING	DISTANCE
R1	S 07°03'53" W	212.60'
R2	S 28°33'40" W	221.14'
R3	S 71°42'43" W	195.94'
R4	S 34°51'33" W	822.08'
R5	S 05°51'50" W	1330.63'
R6	S 65°40'02" E	1388.96'

BHL is located on topo map 7,123 feet west of Longitude: 80° 40' 00"  
 SHL is located on topo map 9,198 feet west of Longitude: 80° 40' 00"

**WELL PAD ORIENTATION DETAIL**

M01HO	M14HO	U15HO	U28HO
M02HO	M13HO	U16HO	U27HO
M03HO	M12HO	U17HO	U26HO
M04HO	M11HO	M18HO	U25HO
M05HO	M10HO	M19HO	U24HO
M06HO	M09HO	M20HO	U23HO
M07HO	M08HO	M21HO	U22HO
M08HO	M07HO	M22HO	U21HO

N.T.S.

**LEGEND**

- TOPO MAP POINT
- WELL
- ALL ARE POINTS UNLESS OTHERWISE NOTED.
- MINERAL TRACT BOUNDARY
- PARCEL LINES
- WELL REFERENCE
- ROAD
- STREAM CENTER LINE
- LESSORS
- SURFACE OWNERS
- AS-DRILLED
- GAS WELLS
- EXISTING WELLS
- PLUGGED WELLS

**THRASHER**

THE THRASHER GROUP, INC.  
 600 WHITE OAKS BLVD.  
 BRIDGEPORT, WV 26330  
 PHONE 304-624-4108

**AS DRILLED PLAT**

**WELL HINES M13H**

**AS DRILLED PLAT**

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 WV Department of Environmental Protection

**FILE #:** HINES M13H - AS DRILLED

**DRAWING #:** HINES M13H - AS DRILLED

**SCALE:** 1" = 1000'

**MINIMUM DEGREE OF ACCURACY:** 1/2500

**PROVEN SOURCE OF ELEVATION:** U.S.G.S. MONUMENT THOMAS 1498.81'

**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.**

**Signed:** *Joseph H. Lowther*

**R.P.E.:** L.L.S.: P.S. No. 2346

**DATE:** NOVEMBER 10, 2021

**OPERATOR'S WELL #:** HINES M13H - AS DRILLED

**API WELL #:** 47 51 2158

**STATE COUNTY PERMIT**

**Well Type:** ☐ Oil ☐ Waste Disposal ☒ Production ☐ Deep ☒ Gas ☐ Liquid Injection ☐ Storage ☒ Shallow

**WATERSHED:** MIDDLE GRAVE CREEK-GRAVE CREEK **ELEVATION:** 1125.45'

**COUNTY/DISTRICT:** MARSHALL / WASHINGTON **QUADRANGLE:** MOUNDSVILLE, WV 7.5'

**SURFACE OWNER:** DONALD HINES ET UX **ACREAGE:** 114.934±

**OIL & GAS ROYALTY OWNER:** DONALD HINES ET UX **ACREAGE:** 260.83±

**DRILL** ☒ CONVERT ☐ DRILL DEEPER ☐ REDRILL ☐ FRACTURE OR STIMULATE ☒ PLUG OFF OLD FORMATION ☐

**PERFORATE NEW FORMATION** ☐ PLUG & ABANDON ☐ CLEAN OUT & REPLUG ☐ OTHER CHANGE ☐

**(SPECIFY):** AS-DRILLED PLAT

**TARGET FORMATION:** MARCELLUS **ESTIMATED DEPTH:** TVD: 5,551'± TMD: 6,390'±

**WELL OPERATOR:** CHEVRON APPALACHIA, LLC **DESIGNATED AGENT:** JOSEPH C. MALLOW

**Address:** 700 CHERRINGTON PARKWAY **Address:** 115 PROFESSIONAL PLACE, PO BOX 280

**City:** CORAOPOLIS **State:** PA **Zip Code:** 15108 **City:** BRIDGEPORT **State:** WV **Zip Code:** 26330

04/04/2025

# HINES M13H

## PAGE 2 OF 2

### AS DRILLED PLAT

	SURFACE OWNER	DIST-TM/PAR
1	DONALD HINES ET UX	14-12/30
2*	ARNIE N. GOODNIGHT ET UX	14-12/25
3*	EDWARD DAVID KNUTH ET UX	14-12/27
4*	EDWARD DAVID & KATHY JO KNUTH	14-12/28.1
5*	TOBIAS G. & JESSICA D. BROWN	14-12/28
6		

	LESSOR	DIST-TM/PAR
A	DONALD HINES ET UX	14-12/30
B	LYNN ELLEN COOK	14-12/25
	WILLIAM F. RULONG	
	CHARLES BURTON RULONG	
	GARY MORRISON	
	ELIZABETH Y. MORRISON	
	ROGER GLEN RULONG	
	TRUSTEES LIMESTONE PRESBYTERIAN CHURCH	
	CLYDE DOWLER ET UX	
	DRU ELLA FOX	
	LAURA J. REYES	
	DALE FRANCIS FURBEE	
	HAROLD DEAN FURBEE	
	JOHN T. MORRIS	
	ETHEL M. RULONG	
	RICHARD J. RULONG	
	ROBERT L. RULONG	
	TERRY LEE RULONG	
	TRACEY LYNN RULONG	
C	EULALIA MAE SIMMONS	14-12/27
D	EULALIA MAE SIMMONS	14-12/28.1
E	EULALIA MAE SIMMONS	14-12/28
F		

AS-DRILLED LOCATIONS
UTM 17-MAD3(M)
SURFACE HOLE LOCATION (SHL)
N:4417405.08
E:525708.36
APPROX LANDING POINT (LP)
N:N/A
E:N/A
BOTTOM HOLE LOCATION (BHL)
N:4417766.84
E:526339.59

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Office of Oil and Gas  
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WV Department of  
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\* - DENOTES PARCEL WITHIN 30 FEET OF WELL BORE

**THRASHER**

THE THRASHER GROUP, INC.  
600 WHITE OAKS BLVD.  
BRIDGEPORT, WV 26330  
PHONE 304-624-4108

**NOVEMBER 10, 2021**

04/04/2025



EQT Production Company  
400 Woodcliff Drive | Canonsburg, PA 15317

February 26, 2025

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

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Office of Oil and Gas

FEB 28 2025

WV Department of  
Environmental Protection

Re: Class L Cement Variance Request  
Himes M13H Well  
Washington District, Marshall County

Dear Mr. Brewer,

EQT Production Company (EQT) has been notified by our cement providers that they will no longer be providing Class A cement. As a result of this, EQT is requesting the option to utilize Class L cement, if necessary, in place of Class A cement for its cement jobs.

The variance request from Legislative Rule 35CSR8, Section 9.2.h.8, related to the use of Class L Cement, was approved by the Office of Oil and Gas on September 13, 2022. A copy of the variance is included with this request.

If you have any questions, please do not hesitate to contact me at 412-239-1645.

Sincerely,

A handwritten signature in blue ink that reads 'Nikolai Softcheck'.

Nikolai Softcheck  
Permitting Specialist III

Enc.

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west virginia department of environmental protection

Office of Oil and Gas  
601 57<sup>th</sup> Street, SE  
Charleston, WV 25304  
Phone (304) 828-0450

Harold D. Ward, Cabinet Secretary  
dep.wv.gov

**BEFORE THE OFFICE OF OIL AND GAS  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
STATE OF WEST VIRGINIA**

**IN THE MATTER OF A VARIANCE FROM  
LEGISLATIVE RULE 35CSR4  
SECTION 11.5 AND LEGISLATIVE RULE  
35CSR8 SECTION 9.2.h.8.,  
RELATING TO THE CEMENTING  
OF OIL AND GAS WELLS**

**ORDER NO. 2022-14**

**REPORT OF THE OFFICE**

In response to industry requests, the West Virginia Department of Environmental Protection, Office of Oil and Gas has reviewed the proposed use of American Petroleum Institute (API) Class L cement to be used in place of API Class A cement for well construction.

**FINDINGS OF FACT**

1. On July 14, 2022, Northeast Natural Energy (NNE) submitted a variance request from Legislative Rule 35CSR8 Section 9.2.h.8., for the use of API Class L cement in place of API Class A cement, relating to the construction of horizontal wells.
2. Laboratory analysis submitted by NNE on July 14, 2022, indicates API Class L cement is comparable to API Class A cement and thereby satisfies the requirements of the West Virginia Code.
3. Contemporaneously, the Chief of the Office of Oil and Gas also chose to consider a variance to Legislative Rule 35CSR4 Section 11.5., for the use of API Class L cement in place of API Class A cement, relating to the construction of vertical wells.

Promoting a healthy environment.

04/04/2025

4. On August 18, 2022, the Office of Oil and Gas provided public notice of acceptance of public comments on the variance consideration. During the 20-day public comment period, no comments were received.

### CONCLUSIONS OF LAW

Pursuant to Article 6 and Article 6A, Chapter 22 of the Code of West Virginia, the Office of Oil and Gas has jurisdiction over the subject matter, and the persons interested therein, and jurisdiction to promulgate the hereinafter prescribed Order.

Pursuant to Legislative Rule 35CSR4, Section 18 and Legislative Rule 35CSR8, Section 14, the Chief of the Office of Oil and Gas may grant a variance from any requirement of these rules.

### ORDER

It is ordered that the Class L cement product approved and monogrammed by API is approved for use in place of API Class A cement for well construction subject to the provisions of Legislative Rule 35CSR4 and Legislative Rule 35CSR8.

Dated this, the 13th day of September, 2022.


IN THE NAME OF THE STATE OF WEST VIRGINIA

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Environmental Protection

OFFICE OF OIL AND GAS  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OF THE STATE OF WEST VIRGINIA

  
James Martin, Chief  
Office of Oil and Gas

04/04/2025

# WEST VIRGINIA GEOLOGICAL PROGNOSIS

Hines A  
S-001494

## Drilling Objectives:

Marcellus

## County:

Marshall

## Elevation:

1152 KB

1124

GL

## Recommended Azimuth

330 & 150 Degrees

## Proposed Logging Suite:

No pilot hole recommended

## ESTIMATED FORMATION TOPS Derived From :

4705101222

4705101190

Formation	Top (TVD)	Base (TVD)	Lithology	Comments	Top RR	Base RR
Fresh Water Zone	1	447			447	452
Sewickley Coal	581	584 Coal		FW @ 392,447, , Not Mined	792	817
Pittsburgh Coal	661	666 Coal		Not Mined	952	957
Big Lime	1713	1844 Limestone		SW @ 1066,1417,1622,1659,1802,1822	1127	1142
Big Injun	1844	1936 Sandstone			1177	1192
Int. csg pt	1986			Base of Offset Well Perforations at 1824' TVD Not near storage		
Berea	2072	2467 Sandstone				
Gantz	2467	2540 Silty Sand				
Gordon	2540	2641 Sandstone				
Fifty Foot	2641	2686 Silty Sand				
Thirty Foot	2686	2747 Silty Sand				
Bayard	2747	2782 Silty Sand				
Speechley	3212	3249 Sandstone				
Bradford	3249	3314 Silty Sand				
Balltown	3314	4227 Silty Sand				
Kane	4227	4810 Silty Sand				
Benson	4810	5101 Silty Sand				
Alexander	5101	5471 Silty Sand				
Elk	5471	5975 Gray Shales and Silts				
Sonyea	5975	6066 Gray shale				
Middlesex	6066	6096 Black Shale				
Genesee	6096	6140 Gray shale interbedded with black shale				
Genesee	6140	6165 Black Shale				
Tully	6165	6194 Limestone				
Hamilton	6194	6280 Gray shale with some calcareous shales				
Marcellus	6280	6332 Black Shale				
Purcell	6299	6303 Limestone				
-Lateral Zone	6312			Start Lateral at 6312'		
Cherry Valley	6322	6324 Limestone				
Onondaga	6332	Limestone				

Target Thickness	52 feet
Max Anticipated Rock Pressure	#N/A PSI

## Comments:

Intermediate casing point is recommended beneath the Big Injun to shut off any water production from the Upper Devonian sands. Intermediate casing should be cemented into the surface string, per WV regulations.

## LATERAL DRILLING TOLERANCES

### Mapview - Lateral:

Deviate as little as possible to the left or right of the planned wellbore.

### Mapview - TD:

DO NOT EXTEND beyond recommended wellbore to avoid lease line.

## RECOMMENDED CASING POINTS

### Conductor:

CSG OD

26"

CSG DEPTH:

Planned Depth KB

40

Planned Depth GL

40

### Fresh Water/Coal

CSG OD

13 3/8"

CSG DEPTH:

716

688

### Intermediate 1:

CSG OD

9 5/8"

CSG DEPTH:

1986

1958

### Production:

CSG OD

5 1/2"

CSG DEPTH:

@ TD

@ TD

FW NEEDS UPDATED WITH EQT SAMPLING PRIOR TO DRILLING

50 ft below mineable coal

50 ft below base of Big Injun

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Environmental Protection

**EQT Production****Wellbore Diagram**

Well: Hines 13H  
Pad: Hines  
Elevation: 1124' GL 1152' KB

County: Marshall  
State: West Virginia

**Conductor @ 50'**

20", 78.6#, X-52, cement to surface w/ Class A

**Surface @ 460'**

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

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**Intermediate @ 2,039'**

9-5/8", 40#, L-80, cement to surface w/ Class A

**Production @ 22,931' MD / 6,312' TVD**

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

**Formation: Marcellus**

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NOT TO SCALE

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EQT Production  
Hydraulic Fracturing Monitoring Plan  
Pad ID: Hines  
County: Marshall

February 26, 2025



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## **Purpose**

The purpose of this pad-specific Hydraulic Fracturing Monitoring Plan is to identify and notify conventional well operators near EQT hydraulic fracturing in Wetzel County, WV prior to hydraulic fracturing at the following EQT wells on the Sizemore pad: 2H, 4H, 6H, 8H, 10H, 12H and 14H.

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:

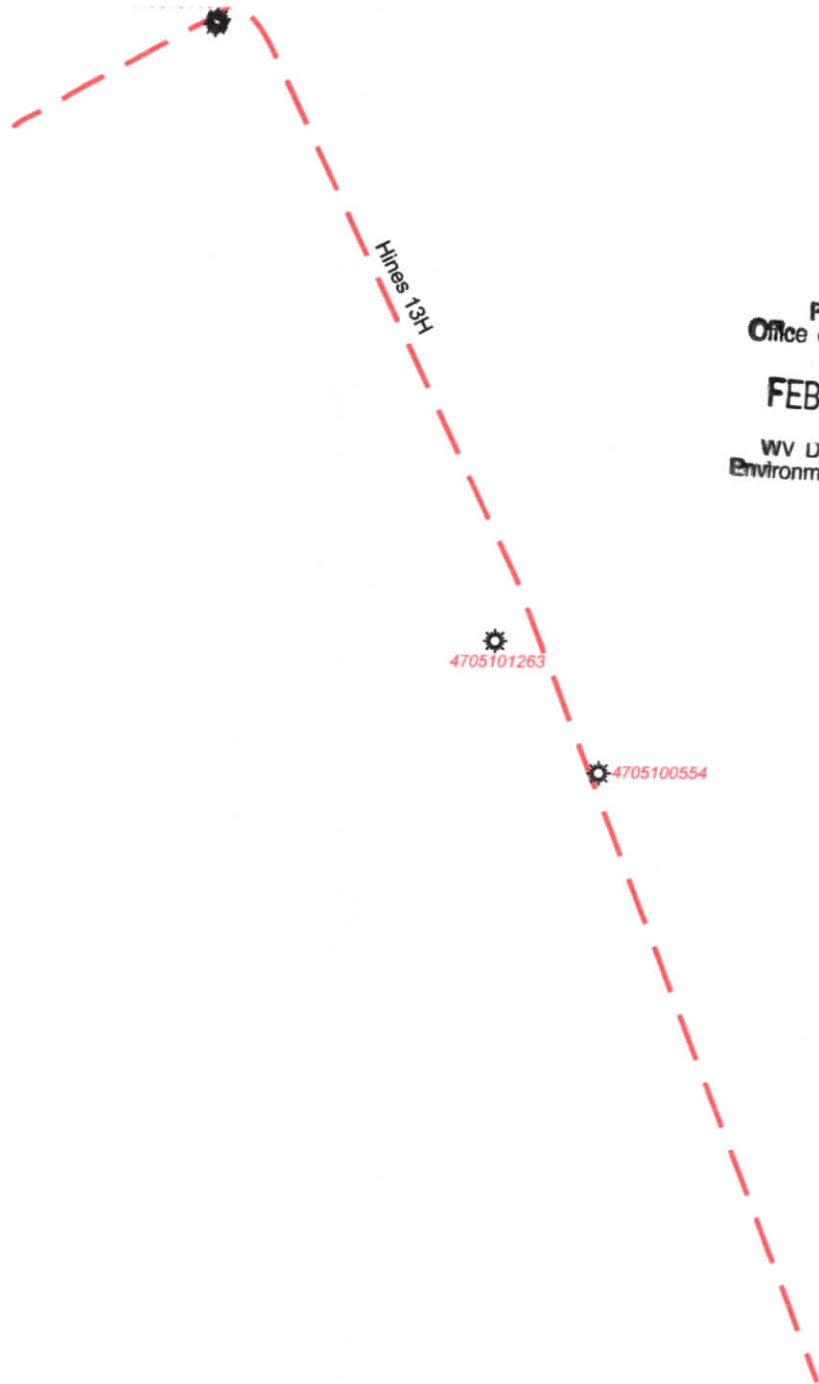
1. Inspect their surface equipment prior to fracturing to establish integrity and establish pre-frac well conditions
2. Observe wells closely during and after fracturing and monitor for abnormal increases in water, gas or pressure
3. Inspect or install master valves or other necessary equipment for wellhead 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  
625 Liberty Avenue  
Pittsburgh, PA 15222

Hines

Vertical Offsets and  
Foreign Laterals  
within 500 Feet

### Legend

- Well Lateral\_FM  
Formation
- Geneseo
  - Marcellus

2000 1000 0 2000



Scale: 1 Inch = 2000 Feet

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

1 Inch = 116,000 Feet



04/04/2025

UWI	ABAND_DATE	CURR_OPER	ELEV_RF_CD	FIELD_NAME	FNL_CLASS	LATITUDE	LONGITUDE	OPER_NAME	PROJ_TD	SPUD_DATE	ELEVATION	TOT_DEPTH
018540000	Cancelled		GR	NA	NA	39.90932800	-80.69188900	Chevron	6317.00000000	NA	1160.00	
018560000	Cancelled		GR	NA	NA	39.90937500	-80.69185200	Chevron	6317.00000000	NA	1160.00	
018570000	Cancelled		GR	NA	NA	39.90942200	-80.69181500	Chevron	6317.00000000	NA	1160.00	
018580000	Cancelled		GR	NA	NA	39.90947100	-80.69177800	Chevron	6317.00000000	NA	1160.00	
012630000	NA	EQT Chap	GR	Unnamed	DEVELOPMENT WELL-OIL/GAS	39.89182200	-80.68102400	AB Resources	6547.00000000	5/11/2009	1312.00	9280.00
005540000	3/20/1973	Unknown	GR	Unnamed	Unsuccessful	39.88832200	-80.67720000	Kentucky Central	1441.00000000	10/5/2001	804.00	1441.00

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MAR 26 2025  
10:51 AM  
FEDERAL ENERGY REGULATORY COMMISSION

WW-9  
(4/16)

API Number 47 - 051 - 02158

Operator's Well No. Hines M13H

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

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Operator Name EQT CHAP LLC

OP Code 494525804

Watershed (HUC 10) Middle Grave Creek - Grave Creek

Quadrangle Glen Easton

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes ☒ No ☐

Will a pit be used? Yes ☐ No ☒

If so, please describe anticipated pit waste: N/A

Will a synthetic liner be used in the pit? Yes ☐ No ☒ If so, what ml.? N/A

Proposed Disposal Method For Treated Pit Wastes:

- ☐ Land Application
- ☒ Underground Injection ( UIC Permit Number 0014, 8462, 4037 )
- ☒ Reuse (at API Number Various )
- ☒ Off Site Disposal (Supply form WW-9 for disposal location)
- ☐ Other (Explain )

Will closed loop system be used? If so, describe: Yes, The closed loop system will remove drill cuttings from the drilling fluid. The drill cuttings are then prepared for transportation to an off-site disposal facility.

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. See Attached

-If oil based, what type? Synthetic, petroleum, etc. Synthetic Mud

Additives to be used in drilling medium? See Attached

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Landfill

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) N/A

-Landfill or offsite name/permit number? See Attached List

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature

Company Official (Typed Name) Branden Weimer

Company Official Title Regional Manager - Permitting

Subscribed and sworn before me this 1<sup>st</sup> day of February, 20 25

Notary Public

My commission expires Oct. 25, 2027

Commonwealth of Pennsylvania - Notary Seal  
Olivia Wilson, Notary Public  
04/04/2025  
My commission expires October 25, 2027  
Commission number 1359968  
Member, Pennsylvania Association of Notaries

EQT CHAP LLC

Proposed Revegetation Treatment: Acres Disturbed \_\_\_\_\_ Prevegetation pH \_\_\_\_\_

Lime 3 \_\_\_\_\_ Tons/acre or to correct to pH 6.5 \_\_\_\_\_Fertilizer type Granular 10-20-20 \_\_\_\_\_Fertilizer amount 500 \_\_\_\_\_ lbs/acreMulch 2 \_\_\_\_\_ Tons/acreSeed MixturesTemporary

Seed Type	lbs/acre
KY-31	40
Alsike Clover	5
Annual Rye	15

Permanent

Seed Type	lbs/acre
Orchard Grass	15
Alsike Clover	5

## Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, include dimensions (L x W x D) of the pit, and dimensions (L x W), and area in acreage, of the land application area

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Strader Gower

Comments: Pre-seed/mulch all disturbed areas as soon as reasonably possible,  
per regulation. Upgrade E&S as necessary per WV DEP E&S Manual.

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MAR 26 2025

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Title: Oil & Gas InspectorDate: 2/03/2025Field Reviewed? ( ☒ ) Yes ( ☐ ) No

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WW-9 Attachment

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc.

- Air is used to drill the top-hole sections of the wellbore (surface, intermediate, and pilot). Water based mud or synthetic based mud may be necessary depending on hole conditions to stabilize and drill the intermediate section. The pilot hole, curve, and lateral sections will be drilled with either air, water-based mud, or synthetic mud.

Additives to be used in drilling medium?

- Air - biodegradable oil lubricant, detergent, defoaming, water.
- Water based mud – Barite, viscosifier, alkalinity control, lime, filtration control, deflocculates, biodegradable oil lubricant, defoaming, walnut shell, salt, x-cide, carbonates.
- Synthetic mud – synthetic base oil, emulsifier, salt, lime, viscosifier, alkalinity control, filtration control, deflocculates, biodegradable oil lubricant, defoaming, carbonates.

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<u>Revision #</u>	<u>Date</u>	<u>Change/s</u>
1	12/17/2020	Plan total revision and reformat.
Plan Administrator: Scott M. Held, CSP Senior Safety Coordinator		Approver: Michael Lauderbaugh Vice President of EHS



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NOTES:  
All Coordinates are in NAD83.

The purpose of this flare map is to give an approximate location of the drilling flare.  
Exact location will depend on several factors and can be changed based on those.



**LEGEND**

- = Compliance Well
- = Existing Wells
- = Future Wells
- = Pad & Berm
- = Access Road

REVISED BY:	DATE:
Chris Harmon	11/20/2024

Hines A Flare Map

Washington Twp, Marshall Co., WV

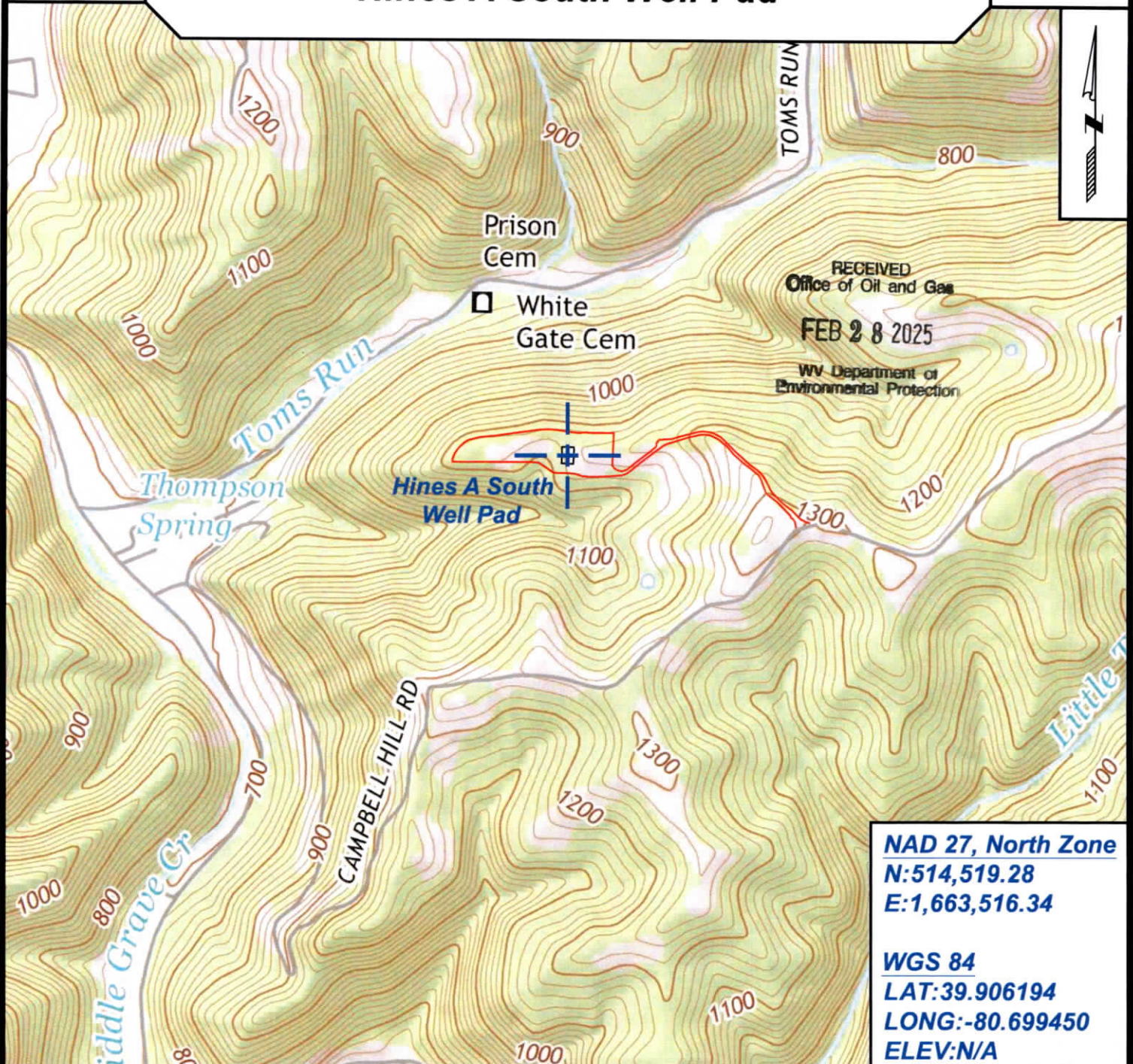
Scale: 1" = 50'      1 of 1



Topo Quad: Moundsville Scale: 1" = 1000'  
County: Marshall Date: December 4, 2024  
District: Washington Project No: 17-44-W-22

Topo

## Hines A South Well Pad



**NAD 27, North Zone**  
**N:514,519.28**  
**E:1,663,516.34**

**WGS 84**  
**LAT:39.906194**  
**LONG:-80.699450**  
**ELEV:N/A**



SURVEYING AND MAPPING SERVICES PERFORMED BY:

**ALLEGHENY SURVEYS, INC.**

1-800-482-8606  
237 Birch River Road  
Birch River, WV 26610  
PH: (304) 649-8606  
FAX: (304) 649-8608

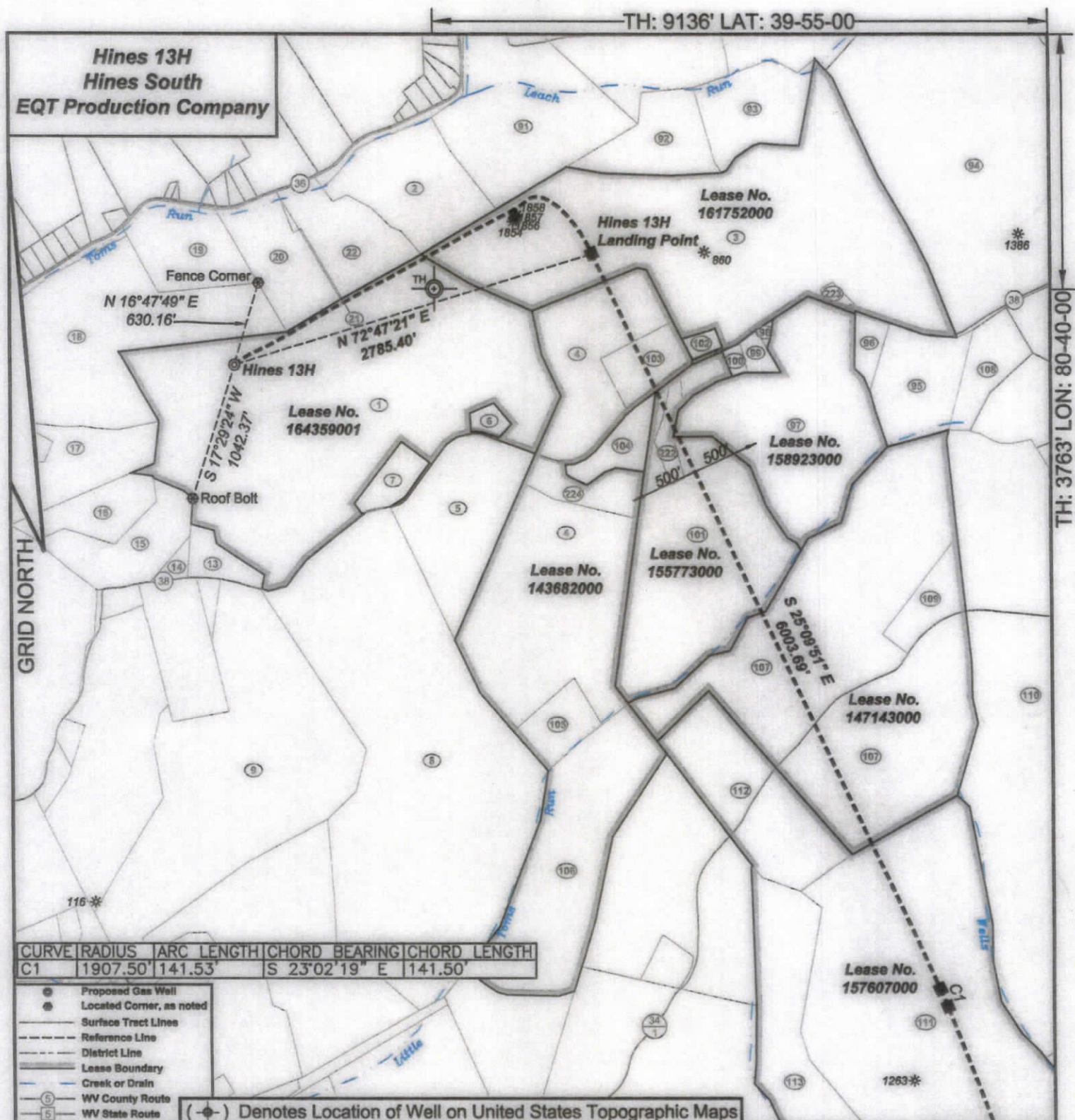
PREPARED FOR:

**EQT Production Company**

400 Woodcliff Drive  
Canonsburg, PA 15317

**04/04/2025**





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: 17-22

DRAWING NO: Hines 13H

SCALE: 1" = 1000'

MINIMUM DEGREE OF ACCURACY:  
1:2500

PROVEN SOURCE OF ELEVATION:  
NGS CORS Station

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

DATE: February 20 20 25

OPERATOR'S WELL NO.: Hines 13H

API WELL NO

47 - 051 - 02158  
STATE COUNTY PERMIT

WELL TYPE: ☐ OIL ☒ GAS ☐ LIQUID INJECTION ☐ WASTE DISPOSAL  
(IF GAS) PRODUCTION: ☐ STORAGE ☐ DEEP ☒ SHALLOW

LOCATION: ELEVATION: 1125' WATERSHED Middle Grave Creek QUADRANGLE: Moundsville

DISTRICT: Washington COUNTY: Marshall

SURFACE OWNER: Shelby Hinterer

ACREAGE: 94.658

ROYALTY OWNER: Shelby Hinterer

LEASE NO: 164359001

ACREAGE: 156.218

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: 6312'

WELL OPERATOR: EQT CHAP LLC

DESIGNATED AGENT: Joseph C. Mallow

ADDRESS: 400 Woodcliff Drive

ADDRESS: 427 Midstate Drive

Canonsburg, PA 15317

Clarksburg, WV 26301

04/04/2025



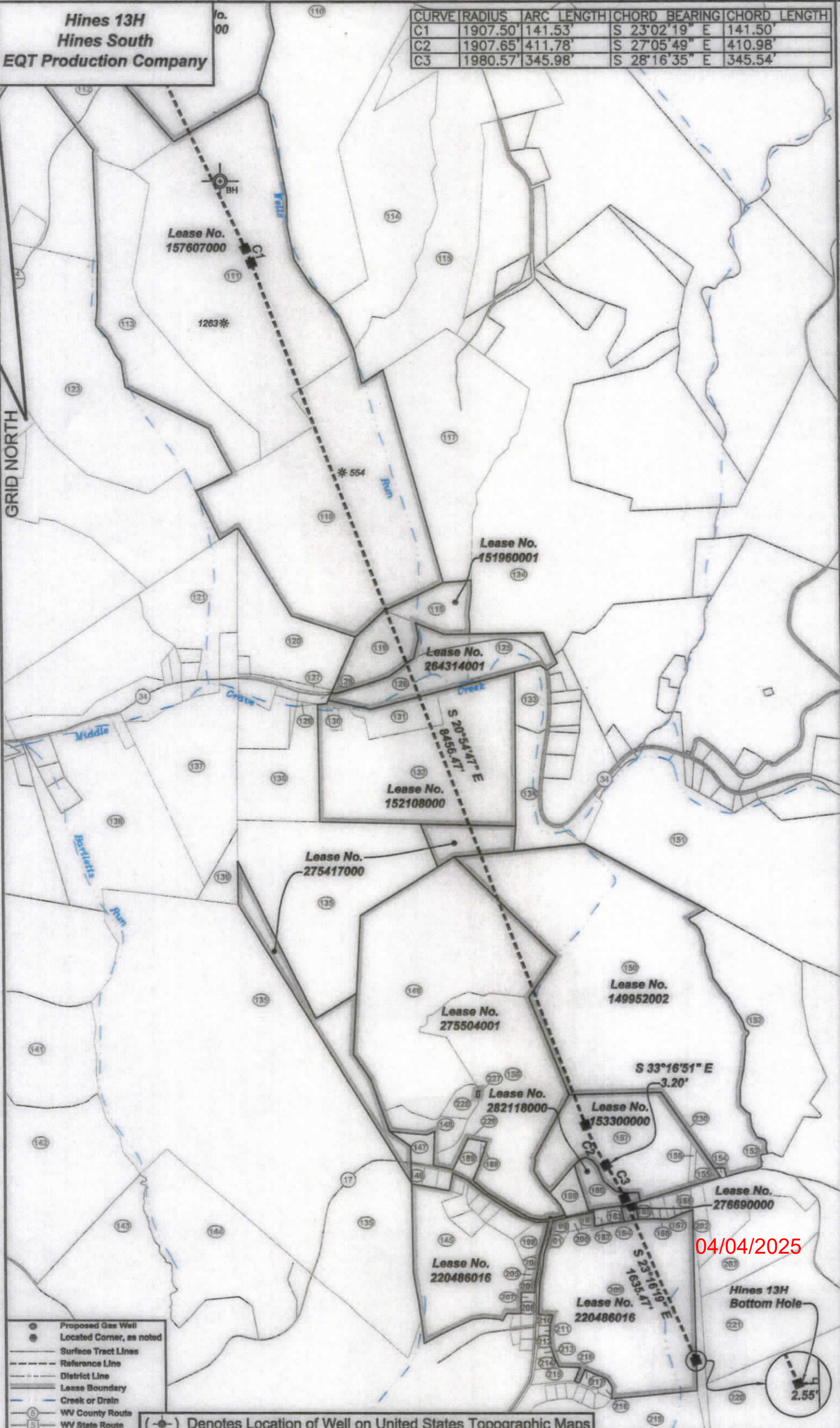
BH: 11354' LAT: 39-52-30

Hines 13H  
Hines South  
EQT Production Company

CURVE	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
C1	1907.50'	141.53'	S 23°02'19" E	141.50'
C2	1907.65'	411.78'	S 27°05'49" E	410.98'
C3	1980.57'	345.98'	S 28°16'35" E	345.54'

BH: 3276' LON: 80-37-30

GRID NORTH



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

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

04/04/2025

Hines 13H  
Bottom Hole

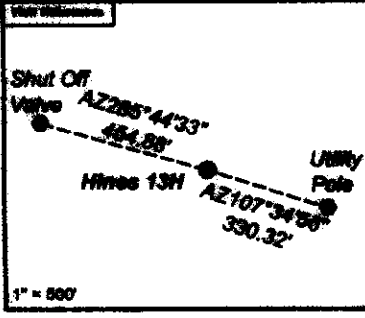
2.55'



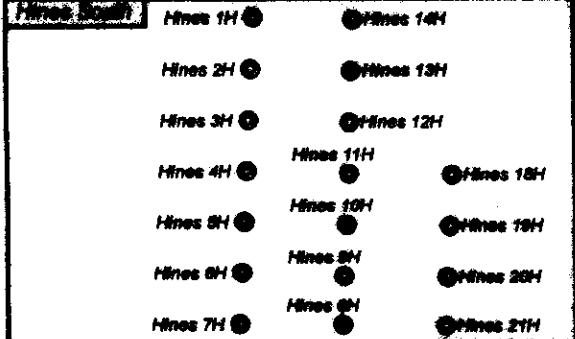
Hines 13H  
Hines South  
EQT Production Company

West L.D.	TaxMap No.	Parcel No.	County	District
1	12	30	Marshall	Washington
2	12	28	Marshall	Washington
3	11	1	Marshall	Washington
4	12	31	Marshall	Washington
5	12	30.7	Marshall	Washington
6	12	30.3	Marshall	Washington
7	12	30.2	Marshall	Washington
8	12	32	Marshall	Washington
9	12	38	Marshall	Washington
13	12	30.4	Marshall	Washington
14	12	30.6	Marshall	Washington
15	12	30.1	Marshall	Washington
16	12	30.5	Marshall	Washington
17	12	68	Marshall	Washington
18	12	25	Marshall	Washington
19	12	26	Marshall	Washington
20	12	27	Marshall	Washington
21	12	28.1	Marshall	Washington
22	12	28	Marshall	Washington
91	9	38	Marshall	Washington
92	9	35	Marshall	Washington
93	9	34	Marshall	Washington
94	10	6	Marshall	Washington
95	11	3.1	Marshall	Washington
96	11	3.3	Marshall	Washington
97	11	2	Marshall	Washington
98	11	2.1	Marshall	Washington
99	11	16.1	Marshall	Washington
100	11	16.2	Marshall	Washington
101	11	16	Marshall	Washington
102	11	1.2	Marshall	Washington
103	12	31.4	Marshall	Washington
104	12	31.1	Marshall	Washington
105	12	31.2	Marshall	Washington
106	13	4	Marshall	Washington
107	11	14	Marshall	Washington
108	11	6.1	Marshall	Washington
109	11	14.1	Marshall	Washington
110	11	13	Marshall	Washington
111	13	8	Marshall	Washington
112	11	15	Marshall	Washington
113	13	7	Marshall	Washington
114	11	11	Marshall	Washington
115	11	11.3	Marshall	Washington
116	13	10	Marshall	Washington
117	13	11	Marshall	Washington
118	13	11.1	Marshall	Washington
119	13	88	Marshall	Washington
120	13	50	Marshall	Washington
121	13	15	Marshall	Washington
122	13	21	Marshall	Washington
123	13	6	Marshall	Washington
124	13	13	Marshall	Washington
125	13	59	Marshall	Washington
126	13	57	Marshall	Washington
127	13	51	Marshall	Washington
128	13	55	Marshall	Washington
129	13	84	Marshall	Washington
130	1	6.1	Marshall	Cameron
131	1	6.2	Marshall	Cameron
132	1	6	Marshall	Cameron
133	1	14.1	Marshall	Cameron
134	13	64	Marshall	Washington
135	1	7	Marshall	Cameron
136	1	4	Marshall	Cameron
137	1	2	Marshall	Cameron
138	1	1	Marshall	Cameron
139	1	3	Marshall	Cameron
140	9	4	Marshall	Gay
141	9	5	Marshall	Gay
142	9	19	Marshall	Gay
143	9	20	Marshall	Gay
144	11	1.1	Marshall	Cameron
145	11	9.3	Marshall	Cameron
146	11B	1	Marshall	Cameron
147	1	9	Marshall	Cameron
148	1	9.5	Marshall	Cameron
149	1	9.1	Marshall	Cameron
150	1	13	Marshall	Cameron
151	1	16	Marshall	Cameron
152	1	13.2	Marshall	Cameron
153	1A	1	Marshall	Cameron
154	1	11.3	Marshall	Cameron
155	1	12	Marshall	Cameron
156	1	11.1	Marshall	Cameron
157	1	11	Marshall	Cameron
158	1	8.6	Marshall	Cameron
159	1	10	Marshall	Cameron
160	1	11.5	Marshall	Cameron
161	11B	13	Marshall	Cameron
162	11B	14	Marshall	Cameron
163	11B	15	Marshall	Cameron
164	11B	16	Marshall	Cameron
165	11B	17	Marshall	Cameron
166	11B	18	Marshall	Cameron
167	11B	19	Marshall	Cameron
168	11B	20	Marshall	Cameron
169	1	8.4	Marshall	Cameron
170	1	9.2	Marshall	Cameron
171	11B	8	Marshall	Cameron
172	11B	11	Marshall	Cameron
173	11B	12	Marshall	Cameron
174	11B	10	Marshall	Cameron
175	11	10	Marshall	Cameron
176	11	11.1	Marshall	Cameron
177	11B	9	Marshall	Cameron
178	11A	38	Marshall	Cameron
179	11A	39	Marshall	Cameron
180	11A	40	Marshall	Cameron
181	11A	41	Marshall	Cameron
182	11	9.2	Marshall	Cameron
183	11A	13	Marshall	Cameron
184	11A	14	Marshall	Cameron

Surface Trust Owner	Acres
Shelly Wood Hinters	94.888
Hein Peter	25
Cheryl L. Rine, Jr.	87.577
Patricia Sue Hestine	88.362
Lisa K. Dorow	23.276
Terry L. Dorow, et ux	1.135
EQT Aeron LLC	3.2
Douglas Edward Simmons, et ux	85.46
Henry T. Simmons, et ux	63.187
EQT Aeron LLC	3.159
EQT Aeron LLC	1
Morgan T. Lashfield	9.735
Morgan T. Lashfield	6.885
Arden N. Goodright, et ux	18.07
Arden N. Goodright, et ux	39
State of West Virginia	8.18
Edward David Hestine, et ux	8.88
Edward David Hestine, et ux	0.17
Robert G. & Barbara B. Brown	8.88
John A. & Robert G. Thomas	24.888
John A. & Robert G. Thomas	11.5
John A. & Robert G. Thomas	12.84
James Stout, et ux	74.388
Roger Gilbert Brady	8.885
Edward R. & Janet L. Richards	2.035
Parale D. Turner, et ux	34.885
Parale D. Turner, et ux	0.388
Carl A. Osterman, et ux	1.187
Jody L. & Bruce Wade	0.843
Paul E. & Sheri L. Shipley	48.738
Robert Shipley, et ux	0.884
Charles E. & Barbara A. Hestine	5
Howard L. & Mary L. Henry	4.188
Country Roads Properties LLC	5
Patricia Sue Hestine	30
Country Roads Properties LLC	84.883
James Stout, et ux	8.44
Robert L. Byrd, et ux	5.017
Edith L. McGinn	88.78
James J. Conway, et ux	88.157
James J. Conway, et ux	18.775
James J. Conway, et ux	32.88
Lee Palmer & James P. Hestine	81.888
David W. & Dorow Cow	38.84
James J. Conway, et ux	75
David W. & Dorow Cow	37.884
Old-Growth Coal Resources Inc.	5.888
Consolidation Coal Company	7.782
Carlton Cooper, et ux	17.373
R M. Gifford Family Trust	18.881
Robert E. Vega, et ux	30.4
Todd & Doreen Miller	57.125
Daniel L. Shewaga	71.288
Zachary A. & Amber L. Gault	8.488
Larry D. Hest, et ux	8.884
Doreen Cooper, et ux	0.884
Daniel G. & Sheri S. Rogerson	0.888
Daniel G. & Sheri S. Rogerson	0.188
Daniel G. & Sheri S. Rogerson	0.488
Daniel G. Rogerson, S.	5
Daniel G. & Sheri S. Rogerson	48.884
Robert R. & Lori J. Cook	4.182
Doreen V. Miller, et ux	16.787
Richard P. Forshey	218.88
Daniel G. & Sheri S. Rogerson	18.387
Larry D. Hest, et ux	28.87
William G. Gifford, et ux	38.882
Richard P. Forshey	2.5
Williams Ohio Waterpump Co., LLC	88.7
Parale D. Hest	81.775
Maria E. Fletcher	88
Clyde D. & Tracy R. Turner	184.48
Shari L. & Walter L. Shewaga	38.34
Mark G. Gifford, et ux	28.38
Louise R. Miller, et ux	0.43
Abel L. Gifford, et ux	2
Howard L. & Mary L. Henry	3.488
Mark T. & Robert Roberts	88.138
EQT Aeron LLC	101.16
Parale D. Hest, et ux	91
Daniel G. & Sheri S. Rogerson	54.888
Hester P. Fletcher	0.471
EQT Aeron LLC	0.427
Garry R. Thomas	0.788
Garry R. Thomas	0.415
Garry R. Thomas	23.883
Mark T. & Robert Roberts	38.73
Mark A. & Barbara A. Hest	2.841
Larry D. Hest, et ux	3.188
Michael S. Gifford	0.38
James R. Thomas, et ux	0.381
Parale D. Hest	0.431
Parale D. Hest, et ux	0.484
Joyce L. & Mark K. Townsend	0.478
Doreen L. Hest	0.888
Harry S. & Robert S. Aston	0.984
Harry S. & Robert S. Aston	0.835
Garry L. Gifford	0.1275
Garry L. Gifford	1.887
Michael G. Gifford, et ux	1.785
Stephen M. Fy, et ux	0.485
William S. Hest, et ux	0.388
Michael S. Gifford	0.488
Harry S. & Robert S. Aston	2.888
Nicholas G. Gifford	11.881
Gifford Gifford	0.488
Colleen A. & Mark R. Smith	Lot 1
Ralph Hest, et ux	Lot 2
Shari L. Gifford	Lot 3
Paul Z. Aston	Lot 4
Harry S. & Robert S. Aston	48.781
Shari L. Gifford	0.282
Rogers Young	0.243

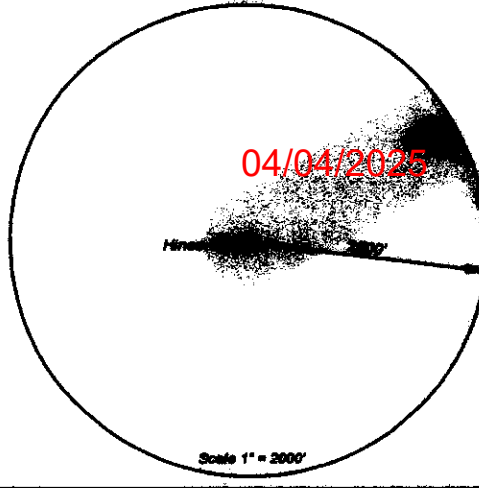


Hines 13H  
NAD 27 N: 514,888.51 E: 1,188,822.51  
NAD 27 Lat: 38.888888 Long: 80.888888  
NAD 83 UTM N: 4,417,488.88 E: 885,788.38  
Hines 13H  
NAD 27 N: 514,888.51 E: 1,188,822.51  
NAD 27 Lat: 38.888888 Long: 80.888888  
NAD 83 UTM N: 4,417,488.88 E: 885,788.38  
Hines 13H  
NAD 27 N: 514,888.51 E: 1,188,822.51  
NAD 27 Lat: 38.888888 Long: 80.888888  
NAD 83 UTM N: 4,417,488.88 E: 885,788.38  
West Virginia Coordinate system of 1927 (North Zone)  
based upon Differential GPS Measurements.  
Plot orientation, corner and well site are based upon  
the grid north meridian.  
Well location references are based upon the grid north  
meridian.  
UTM coordinates are NAD83, Zone 17, meters.



Parcel No.	Owner	Acres
184888001	Shelly Hinters	186.218
181752800	Cheryl L. Rine, Jr.	87.577
148882800	Patricia Sue Hestine	115.515
185775800	Paul E. Shipley, et ux	42.837
188882800	Turner Family Trust, dated February 28, 2019	34.88
147143800	Country Roads Properties, LLC	88.38
187887800	James J. Conway and Karen B. Conway, et ux	215.782
181888801	CHR Gas Company LLC	32.788
284314801	Robert L. Byrd, et ux	16.588
182108800	Edith S. Rogerson, et ux	54.88
275417800	Richard P. Forshey	28.885
148882802	EQT Aeron LLC	181.183
275888801	Samuel J. Hest, et ux	88.23188
153888800	Patricia A. Thomas, et ux	25.8144
282118800	Lee Marie Simmons and Paul Edward Simmons	3.1
278888800	Grace A. Gayle, et ux	0.4840
228488800	Constance L. Green, et ux	134

West L.D.	TaxMap No.	Parcel No.	County	District	Surface Trust Owner	Acres
212	11A	15	Marshall	Cameron	Ray D. Gifford, et ux	0.382
213	11A	16	Marshall	Cameron	Ray D. Gifford, et ux	0.382
214	11A	17	Marshall	Cameron	Walter R. Gifford, et ux	0.481
215	11A	73	Marshall	Cameron	Walter R. Gifford, et ux	1.878
216	11A	37	Marshall	Cameron	Walter R. Gifford, et ux	0.888
217	11A	38	Marshall	Cameron	Walter R. Gifford, et ux	1.878
218	11A	35	Marshall	Cameron	Walter R. Gifford, et ux	1.878
219	11	9.1	Marshall	Cameron	James T. Hest	22.484
220	11	14	Marshall	Cameron	James T. Hest	38.884
221	11	11	Marshall	Cameron	Harry S. & Robert S. Aston	23.72
222	11	16.3	Marshall	Washington	Shari Gifford	2.271
223	11	1.1	Marshall	Washington	Shari Gifford	0.488
224	12	31.3	Marshall	Washington	Patricia Sue Hestine	5
227	1	8.8	Marshall	Cameron	Mark T. & Robert Roberts	0.888
228	1	8.7	Marshall	Cameron	Thomas Gifford, et ux	1.47
229	1	9.3	Marshall	Cameron	Garry L. Gifford	0.888
230	1	11.4	Marshall	Cameron	Garry L. Gifford	0.82



**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
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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 Chap LLC

By: Branden Weimer

Its: Regional Manager - Permitting

Lease No.	Grantor, Lessor, etc.	Acres	Grantee, Lessee, etc.	Royalty	Book/Page
<u>164359001</u>	<u>Shelby Hinterer</u> Donald Hines and Wanda L. Hines, his wife Chevron U.S.A. Inc.	156.218 ac	Chevron U.S.A. Inc. EQT Aurora LLC	"at least 1/8th per WV Code 22-6-8"	DB 774/290 AB 47/1
<u>161752000</u>	<u>Okey L. Rine, Jr.</u> Okey L. Rine, Jr., dealing in his sole and separate interest Chevron U.S.A. Inc.	87.577 ac	Chevron U.S.A. Inc. EQT Aurora LLC	"at least 1/8th per WV Code 22-6-8"	DB 826/135 AB 47/1
<u>143682000</u>	<u>Patricia Sue Hoskins</u> Patricia S. Hoskins, a/k/a Patricia Sue Hoskins, a widow Chevron U.S.A. Inc.	115.515 ac	Chevron U.S.A. Inc. EQT Aurora LLC	"at least 1/8th per WV Code 22-6-8"	DB 807/403 AB 47/1
<u>155773000</u>	<u>Paul E. Shipley, et al.</u> Daniel L. Shipley, a married man dealing in his sole and separate property and Paul E. Shipley, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Chesapeake Appalachia, L.L.C. Chevron U.S.A. Inc.	42.937 ac	Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Chevron U.S.A. Inc. Chevron U.S.A. Inc. EQT Aurora LLC	"at least 1/8th per WV Code 22-6-8"	DB 681/498 AB 22/200 AB 30/427 AB 30/461 AB 47/1
<u>158923000</u>	<u>Turner Family Trust, dated February 28, 2019</u> Francis D. Turner and Donna C. Turner, his wife TriEnergy, Inc. TriEnergy Holdings, LLC NPAR, LLC and AB Resources LLC	34.68 ac	TriEnergy, Inc. TriEnergy Holdings, LLC AB Resources LLC Chief Exploration & Development LLC Radler 2000 Limited Partnership	"at least 1/8th per WV Code 22-6-8"	DB 677/471 AB 21/339 AB 21/531 AB 24/466

WV Department of  
Environmental Protection

FEB 28 2025

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Chief Exploration & Development LLC  
 Radler 2000 Limited Partnership, et al.  
 Chief Exploration & Development LLC  
 Radler 2000 Limited Partnership, et al.  
 AB Resources LLC  
 Chevron U.S.A. Inc.

Chevron U.S.A. Inc.  
 Chevron U.S.A. Inc.  
 Chevron U.S.A. Inc.  
 EQT Aurora LLC

AB 25/1  
 AB 25/105  
 DB 756/397  
 AB 47/1

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

**Country Roads Properties, LLC**

**147143000**

Patricia C. Lindgren, as Trustee under The Patricia C.  
 Lindgren Living Trust Agreement dated March 5, 1998  
 TriEnergy Holdings, LLC

89.56 ac

TriEnergy Holdings, LLC  
 NPAR, LLC  
 Chief Exploration & Development LLC  
 Radler 2000 Limited Partnership

DB 691/102  
 AB 23/74  
 AB 24/490

NPAR, LLC and AB Resources LLC  
 Chief Exploration & Development LLC  
 Radler 2000 Limited Partnership, et al.  
 Chief Exploration & Development LLC  
 Radler 2000 Limited Partnership, et al.  
 Chief Exploration & Development LLC  
 Radler 2000 Limited Partnership, et al.  
 NPAR, LLC  
 Chevron U.S.A. Inc.

Chevron U.S.A. Inc.  
 Chevron U.S.A. Inc.  
 Chevron U.S.A. Inc.  
 Chevron U.S.A. Inc.  
 EQT Aurora LLC

AB 25/1  
 AB 25/105  
 AB 26/130  
 DB 756/332  
 AB 47/1

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

**James J. Caveney and Karen B. Caveney, et al.**

**157607000**

James J. Caveney and Karen Caveney  
 TriEnergy, Inc.  
 TriEnergy, Inc.

215.792 ac

TriEnergy, Inc.  
 AB Resources LLC  
 TriEnergy Holdings, LLC  
 Chief Exploration & Development LLC  
 Radler 2000 Limited Partnership

DB 663/497  
 AB 20/252  
 AB 21/148  
 AB 24/319

AB Resources LLC  
 Chief Exploration & Development LLC  
 Radler 2000 Limited Partnership, et al.  
 Chief Exploration & Development LLC  
 Radler 2000 Limited Partnership, et al.  
 Chief Exploration & Development LLC  
 Radler 2000 Limited Partnership, et al.  
 AB Resources LLC  
 Chevron U.S.A. Inc.

Chevron U.S.A. Inc.  
 Chevron U.S.A. Inc.  
 Chevron U.S.A. Inc.  
 Chevron U.S.A. Inc.  
 EQT Aurora LLC

AB 25/1  
 AB 25/105  
 AB 26/130  
 DB 756/397  
 AB 47/1

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<u>151960001</u>	<u>CNX Gas Company LLC</u> CNX Gas Company LLC Chevron U.S.A. Inc.	32.758 ac	Chevron U.S.A. Inc. EQT Aurora LLC	"at least 1/8th per WV Code 22-6-8"	DB 862/486 AB 47/1
<u>264314001</u>	<u>Robert L. Byrd, et al.</u> Robert Lewis Byrd and Cynthia D. Hagerman, husband and wife	16.528 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	DB 1194/129
<u>152108000</u>	<u>Erin S. Rogerson, et al.</u> Donald G. Rogerson, Sr., widower, Life Estate, and Donald G. Rogerson, Jr., and Erin S. Rogerson, remainderman Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Chesapeake Appalachia, L.L.C. Chevron U.S.A. Inc.	54.09 ac	Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Chevron U.S.A. Inc. Chevron U.S.A. Inc. EQT Aurora LLC	"at least 1/8th per WV Code 22-6-8"	DB 676/18 AB 21/565 AB 30/427 AB 30/461 AB 47/1
<u>275417000</u>	<u>Richard P. Forshey</u> Richard P. Forshey, dealing in his sole and separate property	26.665 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	DB 1209/641
<u>149952002</u>	<u>EQT Aurora LLC</u> Mark K. Cox Chevron U.S.A. Inc.	101.163 ac	Chevron U.S.A. Inc. EQT Aurora LLC	"at least 1/8th per WV Code 22-6-8"	DB 952/43 DB 1100/493
<u>275504001</u>	<u>Samuel J. Heater, et al.</u> Samuel J. Heater and Sandra Heater, his wife	98.23160 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	DB 1209/609
<u>153300000</u>	<u>Patricia A. Thomas, et al.</u> Garry R. Thomas and Patricia A. Thomas, his wife	25.6144 ac	AB Resources LLC	"at least 1/8th per WV Code 22-6-8"	DB 692/455

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AB Resources LLC

NPAR, LLC and AB Resources LLC  
Chief Exploration & Development LLC  
Radler 2000 Limited Partnership, et al.  
Chief Exploration & Development LLC  
Radler 2000 Limited Partnership, et al.

AB Resources LLC

NPAR, LLC

NPAR, LLC

AB Resources LLC

Chevron U.S.A. Inc.

Chief Exploration & Development LLC  
Radler 2000 Limited Partnership  
Chief Exploration & Development LLC  
Radler 2000 Limited Partnership

Chevron U.S.A. Inc.

Chevron U.S.A. Inc.

NPAR, LLC

Chevron U.S.A. Inc.

Chevron U.S.A. Inc.

Chevron U.S.A. Inc.

EQT Aurora LLC

AB 24/382

AB 24/490

AB 25/1

AB 25/105

AB 25/484

AB 26/201

DB 756/332

DB 756/397

AB 47/1

Lea Marie Simmons and Paul Edward Simmons

282118000

Lea Marie Simmons and Paul Edward Simmons

3.1 ac

EQT Production Company

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

Memorandum of Oil and Gas  
Lease dated January 30, 2025

Grace A. Gayda, et al.

276690000

Grace A. Gayda, widow

0.4040 ac

EQT Production Company

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

DB 1210/642

Constance L. Owen, et al.

220486016

Constance Louise Owen, widow

134 ac

EQT Production Company

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

DB 1150/570

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Lease No.	Grantor, Lessor, etc.	Acres	Grantee, Lessee, etc.	Royalty	Book/Page
<u>147481000</u>	<u>Jack David Simmons, Jr.</u> Eulalia Mae Simmons, a widow Chevron U.S.A. Inc.	19.5 ac	Chevron U.S.A. Inc. EQT Aurora LLC	"at least 1/8th per WV Code 22-6-8"	DB 837/392 AB 47/1
<u>160885000</u>	<u>Jodi Lynn Harding, et al.</u> Jodi Lynn Harding and Terry A. Harding, wife and husband Chevron U.S.A. Inc.	25 ac	Chevron U.S.A. Inc. EQT Aurora LLC	"at least 1/8th per WV Code 22-6-8"	DB 863/502 AB 47/1
<u>144240000</u>	<u>Howard L. Henry and Sylvia L. Henry</u> Howard L. Henry and Sylvia L. Henry, his wife Chevron U.S.A. Inc.	4.158 ac	Chevron U.S.A. Inc. EQT Aurora LLC	"at least 1/8th per WV Code 22-6-8"	DB 1030/597 AB 47/1
<u>282167001</u>	<u>Marvin K. Townsend and Joyce M. Townsend, et al.</u> Marvin K. Townsend and Joyce M. Townsend	0.47 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	Memorandum of Oil and Gas Lease dated February 6, 2025

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FEB 28 2025

WV Department of  
Environmental Protection

## MEMORANDUM OF OIL AND GAS LEASE

This Memorandum of Oil and Gas Lease (this "Memorandum") is made the 30 day of January, 2025 between Lea Marie Simmons and Paul Edward Simmons, in their own right, whose address 7038 Fork Ridge Road, Glen Easton, WV 26039, ("Lessor and **EQT Production Company**", a Pennsylvania corporation, with an office at 625 Liberty Avenue, Suite 1700, Pittsburgh, PA 15222 ("Lessee").

**WITNESSETH:** That upon the terms, conditions, consideration, covenants and provisions set forth in that certain Oil and Gas Lease of even date herewith between Lessor and Lessee (the "Agreement"), Lessor has leased and let, exclusively all of the oil and gas on certain property to Lessee, for the purposes specifically set forth in said Agreement and hereinafter set forth in summary form only. Said property (the "Leased Premises") leased under the Agreement is located in Cameron District, Marshall County, West Virginia, including that certain real property described in Deed Book 603 Page 373, being the tracts(s) described in the aforesaid deed containing Three and one-tenth (3.1) acres, more or less.

Tax Map Number(s): 3-1-11.5

Lessee's exclusive rights under the Agreement include rights to explore for, operate for, transport, produce and market, oil and gas, using all current and future methods; "gas" as the term is used in the Agreement includes but is not limited to all gaseous (including but not limited to natural gas and coalbed methane) and liquid hydrocarbons and non-hydrocarbons emitted by, contained in, or associated with any formation or strata (including but not limited to rocks, gob areas, mined-out areas, coal seams, and communicating zones), and their liquid or gaseous constituents (whether hydrocarbon or non-hydrocarbon), and all products related thereto or derived therefrom. Lessee also has exclusive rights (1) to inject, store, protect, and withdraw stored gas on the Leased Premises and lands in the vicinity thereof; (2) to drill and operate water, disposal, or injection wells; (3) to conduct geological/geophysical/seismic activities; (4) to stimulate or fracture all coals or other strata or formations; (5) of ingress and egress on and across the Leased Premises for any purpose and to and from any other land; (6) of perpetual easements that survive the expiration of the Agreement, and ingress and egress thereto, to lay, construct, use, maintain, operate, change, replace, and remove pipelines, powerlines, roads, waterlines, telecommunication lines, tanks, ponds, pits, power stations, structures, facilities, improvements, compression equipment, meters, houses and buildings (collectively, "improvements"); (7) to remove any property or improvements which Lessee may operate or place on the Leased Premises; (8) to plug, abandon or sell any wells or improvements; (9) to use the improvements or the Leased Premises for the transportation, production, and development of oil and gas wherever produced or located; (10) all other rights and privileges necessary or convenient for Lessee's operation of the Leased Premises or any other lands; (11) to use free of charge for the above purposes - oil, gas and water, on or from the Leased Premises; and (12) to pool or unitize all or a portion of the Leased Premises with other lands or interests.

The Agreement's term shall be for a period of five (5) years from the date first referenced above (the "Primary Term"), and for as long thereafter (the "Secondary Term") as the Leased

Revision Date: June 1<sup>st</sup>, 2022

This instrument was prepared by Lawrence Skryzowski Esq., EQT Production Company, 400 Woodcliff Drive, Canonsburg, PA 15317

04/04/2025

Premises or lands pooled or unitized therewith are (i) operated in the search for, drilling for, or production of oil or gas, or (ii) used for underground storage of gas or the protection of stored gas (on or in the vicinity of the Leased Premises), or (iii) shut-in payments are made. Lessee at its option may, extend the Primary term before it expires for an additional five (5) years. The Primary Term is subject to tolling where appropriate. After the Agreement's expiration, Lessee at its option may use the Leased Premises as necessary or convenient to plug any wells previously operated thereon or remove any facilities.



If Lessor receives an acceptable written bona fide offer to enter into an additional lease (a "top lease") covering any part of the Leased Premises, Lessee shall have a right of first refusal to acquire a top lease on comparable terms. Any top lease executed by Lessor shall be subordinate to the Agreement, shall not begin until after the expiration of the Agreement, and shall not restrict Lessor and Lessee from modifying or extending the Agreement at any time. Any top lease granted in violation of this provision shall be null and void.

Lessor hereby warrants that Lessor is not receiving bonus or rental payment or production royalty as the result of any prior oil and/or gas lease covering any or all of the Leased Premises, and there are no commercially producing wells currently existing on the Leased Premises, or upon other Lands within the boundaries of a drilling or production unit utilizing all or a part of the Leased Premises. Lessor hereby agrees that Lessee may exercise any right or remedy against Lessor and Lessor's successors and assigns as a result of any overpayment of royalties paid pursuant to this Lease, including recouping royalties due Lessor from production on other leases with EQT or EQT's affiliates.

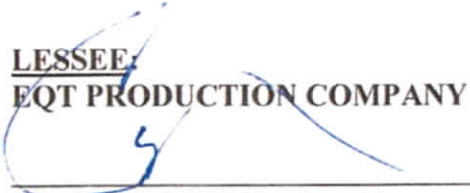
Said Agreement and all the terms, conditions, covenants and provisions thereof are hereby incorporated herein by reference and made a part hereof in all respects as though fully set forth herein and reference is hereby made to said Agreement for the full particulars thereof. The Agreement and all of its terms, conditions, covenants and provisions shall extend to and be binding upon all the heirs, successors and assigns of said Lessor and Lessee.

**IN WITNESS WHEREOF**, Lessor and Lessee have caused this Memorandum to be duly executed as of the date first hereinabove written.

**LESSOR:**

  
Lea Marie Simmons  
  
Paul Edward Simmons

**LESSEE:**  
**EQT PRODUCTION COMPANY**

  
By: Corey C. Peck  
Its: Vice President-Land

RECEIVED  
Office of Oil and Gas

FEB 28 2025

WV Department of  
Environmental Protection

Revision Date: June 1<sup>st</sup>, 2022

This instrument was prepared by Lawrence Skryzowski Esq., EQT Production Company, 400 Woodcliff Drive, Canonsburg, PA 15317

04/04/2025



FEB 28 2025

WV Department of  
Environmental Protection

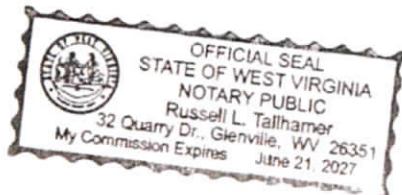
STATE OF WEST VIRGINIA;  
COUNTY OF \_\_\_\_\_:

I, Russell L. Tallhamer a Notary Public in and for said County and State, certify that Lea Marie Simmons and Paul Edward Simmons, personally known to me to be the same person who signed above, appeared before me today in said State and County, and acknowledged and delivered the instrument to be their free act and deed. Given under my hand this 30 day of January, 2025.

My commission expires June 21, 2027

[SEAL]

Russell L. Tallhamer  
Notary Public



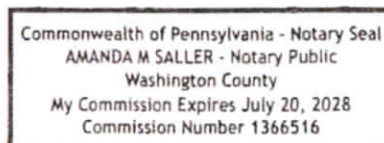
COMMONWEALTH OF PENNSYLVANIA;  
COUNTY OF WASHINGTON:

I, Amanda M Saller, a Notary Public in and for said County and Commonwealth, certify that **Corey C. Peck, the Vice President-Land of EQT Production Company**, personally known to me to be the same person who signed above, appeared before me today in said Commonwealth and County, and acknowledged and delivered the instrument to be their free act and deed, on behalf of said company. Given under my hand this 12 day of February, 2025.

My commission expires 7/20/28

[SEAL]

Amanda M Saller  
Notary Public



Revision Date: June 1<sup>st</sup>, 2022

This instrument was prepared by Lawrence Skryzowski Esq., EQT Production Company, 400 Woodcliff Drive, Canonsburg, PA 15317

04/04/2025

FEB 28 2025

WV Department of  
Environmental Protection

## MEMORANDUM OF OIL AND GAS LEASE

This Memorandum of Oil and Gas Lease (this "Memorandum") is made the 6 day of February, 2025 between Marvin K. Townsend and Joyce M. Townsend, in their own right, whose address 940 Boyd Park Road, Fairmont, WV 26554, ("Lessor and **EQT Production Company**, a Pennsylvania corporation, with an office at 625 Liberty Avenue, Suite 1700, Pittsburgh, PA 15222 ("Lessee").

**WITNESSETH:** That upon the terms, conditions, consideration, covenants and provisions set forth in that certain Oil and Gas Lease of even date herewith between Lessor and Lessee (the "Agreement"), Lessor has leased and let, exclusively all of the oil and gas on certain property to Lessee, for the purposes specifically set forth in said Agreement and hereinafter set forth in summary form only. Said property (the "Leased Premises") leased under the Agreement is located in Cameron District, Marshall County, West Virginia, including that certain real property described in Deed Book 661 Page 70, being the tracts(s) described in the aforesaid deed containing Forty-seven hundredths (0.47) acres, more or less.

Tax Map Number(s): 3-11B-17

Lessee's exclusive rights under the Agreement include rights to explore for, operate for, transport, produce and market, oil and gas, using all current and future methods; "gas" as the term is used in the Agreement includes but is not limited to all gaseous (including but not limited to natural gas and coalbed methane) and liquid hydrocarbons and non-hydrocarbons emitted by, contained in, or associated with any formation or strata (including but not limited to rocks, gob areas, mined-out areas, coal seams, and communicating zones), and their liquid or gaseous constituents (whether hydrocarbon or non-hydrocarbon), and all products related thereto or derived therefrom. Lessee also has exclusive rights (1) to inject, store, protect, and withdraw stored gas on the Leased Premises and lands in the vicinity thereof; (2) to drill and operate water, disposal, or injection wells; (3) to conduct geological/geophysical/seismic activities; (4) to stimulate or fracture all coals or other strata or formations; (5) of ingress and egress on and across the Leased Premises for any purpose and to and from any other land; (6) of perpetual easements that survive the expiration of the Agreement, and ingress and egress thereto, to lay, construct, use, maintain, operate, change, replace, and remove pipelines, powerlines, roads, waterlines, telecommunication lines, tanks, ponds, pits, power stations, structures, facilities, improvements, compression equipment, meters, houses and buildings (collectively, "improvements"); (7) to remove any property or improvements which Lessee may operate or place on the Leased Premises; (8) to plug, abandon or sell any wells or improvements; (9) to use the improvements or the Leased Premises for the transportation, production, and development of oil and gas wherever produced or located; (10) all other rights and privileges necessary or convenient for Lessee's operation of the Leased Premises or any other lands; (11) to use free of charge for the above purposes - oil, gas and water, on or from the Leased Premises; and (12) to pool or unitize all or a portion of the Leased Premises with other lands or interests.

The Agreement's term shall be for a period of five (5) years from the date first referenced above (the "Primary Term"), and for as long thereafter (the "Secondary Term") as the Leased

Revision Date: June 1<sup>st</sup>, 2022

This instrument was prepared by Lawrence Skryzowski Esq., EQT Production Company, 400 Woodcliff Drive, Canonsburg, PA 15317

04/04/2025



Premises or lands pooled or unitized therewith are (i) operated in the search for, drilling for, or production of oil or gas, or (ii) used for underground storage of gas or the protection of stored gas (on or in the vicinity of the Leased Premises), or (iii) shut-in payments are made. Lessee at its option may, extend the Primary term before it expires for an additional five (5) years. The Primary Term is subject to tolling where appropriate. After the Agreement's expiration, Lessee at its option may use the Leased Premises as necessary or convenient to plug any wells previously operated thereon or remove any facilities.


If Lessor receives an acceptable written bona fide offer to enter into an additional lease (a "top lease") covering any part of the Leased Premises, Lessee shall have a right of first refusal to acquire a top lease on comparable terms. Any top lease executed by Lessor shall be subordinate to the Agreement, shall not begin until after the expiration of the Agreement, and shall not restrict Lessor and Lessee from modifying or extending the Agreement at any time. Any top lease granted in violation of this provision shall be null and void.

Lessor hereby warrants that Lessor is not receiving bonus or rental payment or production royalty as the result of any prior oil and/or gas lease covering any or all of the Leased Premises, and there are no commercially producing wells currently existing on the Leased Premises, or upon other Lands within the boundaries of a drilling or production unit utilizing all or a part of the Leased Premises. Lessor hereby agrees that Lessee may exercise any right or remedy against Lessor and Lessor's successors and assigns as a result of any overpayment of royalties paid pursuant to this Lease, including recouping royalties due Lessor from production on other leases with EQT or EQT's affiliates.

Said Agreement and all the terms, conditions, covenants and provisions thereof are hereby incorporated herein by reference and made a part hereof in all respects as though fully set forth herein and reference is hereby made to said Agreement for the full particulars thereof. The Agreement and all of its terms, conditions, covenants and provisions shall extend to and be binding upon all the heirs, successors and assigns of said Lessor and Lessee.


**IN WITNESS WHEREOF**, Lessor and Lessee have caused this Memorandum to be duly executed as of the date first hereinabove written.

**LESSOR:**

  
Marvin K. Townsend

  
Joyce M. Townsend

**LESSEE:**  
**EQT PRODUCTION COMPANY**

  
By: Corey C. Peck  
Its: Vice President-Land

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Office of Oil and Gas

**FEB 28 2025**

WV Department of  
Environmental Protection

Revision Date: June 1<sup>st</sup>, 2022

This instrument was prepared by Lawrence Skryzowski Esq., EQT Production Company, 400 Woodcliff Drive, Canonsburg, PA 15317

04/04/2025



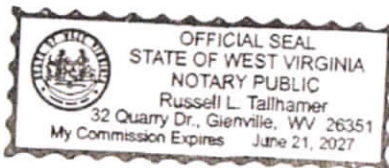
STATE OF WEST VIRGINIA;  
COUNTY OF MARION:

I, Russell L. Tallhamer, a Notary Public in and for said County and State, certify that Marvin K. Townsend and Joyce M. Townsend, personally known to me to be the same person who signed above, appeared before me today in said State and County, and acknowledged and delivered the instrument to be their free act and deed. Given under my hand this 6 day of February, 2025.

My commission expires June 21, 2027

[SEAL]

Russell L. Tallhamer  
Notary Public



RECEIVED  
Office of Oil and Gas

FEB 28 2025

WV Department of  
Environmental Protection

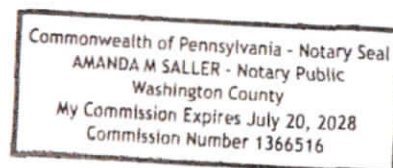
COMMONWEALTH OF PENNSYLVANIA;  
COUNTY OF WASHINGTON:

I, Amanda M Saller, a Notary Public in and for said County and Commonwealth, certify that **Corey C. Peck, the Vice President-Land of EQT Production Company**, personally known to me to be the same person who signed above, appeared before me today in said Commonwealth and County, and acknowledged and delivered the instrument to be their free act and deed, on behalf of said company. Given under my hand this 12 day of February, 2025.

My commission expires 7/20/28

[SEAL]

Amanda M Saller  
Notary Public



Revision Date: June 1<sup>st</sup>, 2022

This instrument was prepared by Lawrence Skryzowski Esq., EQT Production Company, 400 Woodcliff Drive, Canonsburg, PA 15317

04/04/2025



EQT Production Company  
400 Woodcliff Drive | Canonsburg, PA 15317  
412-584-3132 | [www.eqt.com](http://www.eqt.com)

February 26, 2025

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

Re: Hines M13H Gas Well  
Washington District, Marshall County, WV

Dear Mr. Brewer,

EQT Production Company is applying for a new well work permit for the well referenced above. Upon information and belief, the Operator's lease and/or other real property rights permit it to conduct drilling operations for the subject well in the location shown on the plat, including under any public roads that the well lateral crosses.

Please note that the tophole was previously drilled by Chevron Appalachia, LLC. EQT CHAP is proposing to return to this well, horizontally drill, complete it, and turn it in line

Sincerely,

A handwritten signature in blue ink that reads 'Nikolai Softcheck'.

Nikolai Softcheck  
Permitting Specialist III

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STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
**NOTICE CERTIFICATION**

Date of Notice Certification: 2/24/25

API No. 47- 051 - 02158

Operator's Well No. M13H

Well Pad Name: Hines

**Notice has been given:**

Pursuant to the provisions in West Virginia Code § 22-6A, the Operator has provided the required parties with the Notice Forms listed below for the tract of land as follows:

State:	PA	UTM NAD 83	Easting:	525,708.36
County:	Marshall		Northing:	4,417,405.08
District:	Washington	Public Road Access:		Campbell Hill Road/WW-38
Quadrangle:	Glen Easton	Generally used farm name:		Hines
Watershed:	Middle Grave Creek - Grave Creek			

Pursuant to West Virginia Code § 22-6A-7(b), every permit application filed under this section shall be on a form as may be prescribed by the secretary, shall be verified and shall contain the following information: (14) A certification from the operator that (i) it has provided the owners of the surface described in subdivisions (1), (2) and (4), subsection (b), section ten of this article, the information required by subsections (b) and (c), section sixteen of this article; (ii) that the requirement was deemed satisfied as a result of giving the surface owner notice of entry to survey pursuant to subsection (a), section ten of this article six-a; or (iii) the notice requirements of subsection (b), section sixteen of this article were waived in writing by the surface owner; and Pursuant to West Virginia Code § 22-6A-11(b), the applicant shall tender proof of and certify to the secretary that the notice requirements of section ten of this article have been completed by the applicant.

Pursuant to West Virginia Code § 22-6A, the Operator has attached proof to this Notice Certification that the Operator has properly served the required parties with the following:

\*PLEASE CHECK ALL THAT APPLY

- ☐ 1. NOTICE OF SEISMIC ACTIVITY or ☒ NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED
- ☐ 2. NOTICE OF ENTRY FOR PLAT SURVEY or ☒ NO PLAT SURVEY WAS CONDUCTED
- ☒ 3. NOTICE OF INTENT TO DRILL or ☐ NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or
- ☐ WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)
- ☒ 4. NOTICE OF PLANNED OPERATION
- ☒ 5. PUBLIC NOTICE
- ☒ 6. NOTICE OF APPLICATION

**OOG OFFICE USE ONLY**

- ☐ RECEIVED/  
NOT REQUIRED
- ☐ RECEIVED
- ☒ RECEIVED/  
NOT REQUIRED
- ☒ RECEIVED
- ☒ RECEIVED
- ☒ RECEIVED

**Required Attachments:**

The Operator shall attach to this Notice Certification Form all Notice Forms and Certifications of Notice that have been provided to the required parties and/or any associated written waivers. For the Public Notice, the operator shall attach a copy of the Class II Legal Advertisement with publication date verification or the associated Affidavit of Publication. The attached Notice Forms and Certifications of Notice shall serve as proof that the required parties have been noticed as required under West Virginia Code § 22-6A. Pursuant to West Virginia Code § 22-6A-11(b), the Certification of Notice to the person may be made by affidavit of personal service, the return receipt card or other postal receipt for certified mailing.

04/04/2025

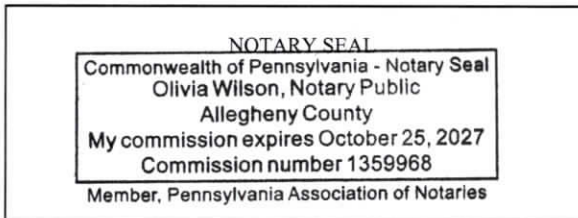


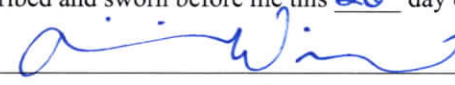
**Certification of Notice is hereby given:**

THEREFORE, I Branden Weimer, have read and understand the notice requirements within West Virginia Code § 22-6A. I certify that as required under West Virginia Code § 22-6A, I have served the attached copies of the Notice Forms, identified above, to the required parties through personal service, by registered mail or by any method of delivery that requires a receipt or signature confirmation. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this Notice Certification and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator: EQT CHAP LLC  
By: Branden Weimer   
Its: Regional Manager - Permitting  
Telephone: 412-997-7940

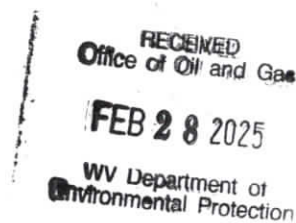
Address: 400 Woodcliff Drive  
Canonsburg, PA 15317  
Facsimile: 412-395-2974  
Email: Branden.Weimer@eqt.com



Subscribed and sworn before me this 26<sup>th</sup> day of Feb. 2025.  
 Notary Public  
My Commission Expires Oct. 25, 2027

**Oil and Gas Privacy Notice:**

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov).



04/04/2025

**STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
NOTICE OF APPLICATION**

**Notice Time Requirement:** notice shall be provided no later than the **filing date of permit application.**

**Date of Notice:** 2/24/25 **Date Permit Application Filed:** 2/27/25

**Notice of:**

- ☒ PERMIT FOR ANY WELL WORK      ☐ CERTIFICATE OF APPROVAL FOR THE CONSTRUCTION OF AN IMPOUNDMENT OR PIT

**Delivery method pursuant to West Virginia Code § 22-6A-10(b)**

- ☐ PERSONAL SERVICE      ☐ REGISTERED MAIL      ☒ METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

Pursuant to W. Va. Code § 22-6A-10(b) no later than the filing date of the application, the applicant for a permit for any well work or for a certificate of approval for the construction of an impoundment or pit as required by this article shall deliver, by personal service or by registered mail or by any method of delivery that requires a receipt or signature confirmation, copies of the application, the erosion and sediment control plan required by section seven of this article, and the well plat to each of the following persons: (1) The owners of record of the surface of the tract on which the well is or is proposed to be located; (2) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for roads or other land disturbance as described in the erosion and sediment control plan submitted pursuant to subsection (c), section seven of this article; (3) The coal owner, operator or lessee, in the event the tract of land on which the well proposed to be drilled is located [sic] is known to be underlain by one or more coal seams; (4) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for the placement, construction, enlargement, alteration, repair, removal or abandonment of any impoundment or pit as described in section nine of this article; (5) Any surface owner or water purveyor who is known to the applicant to have a water well, spring or water supply source located within one thousand five hundred feet of the center of the well pad which is used to provide water for consumption by humans or domestic animals; and (6) The operator of any natural gas storage field within which the proposed well work activity is to take place. (c)(1) If more than three tenants in common or other co-owners of interests described in subsection (b) of this section hold interests in the lands, the applicant may serve the documents required upon the person described in the records of the sheriff required to be maintained pursuant to section eight, article one, chapter eleven-a of this code. (2) Notwithstanding any provision of this article to the contrary, notice to a lien holder is not notice to a landowner, unless the lien holder is the landowner. W. Va. Code R. § 35-8-5.7.a requires, in part, that the operator shall also provide the Well Site Safety Plan ("WSSP") to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

☒ Application Notice   ☒ WSSP Notice   ☒ E&S Plan Notice   ☒ Well Plat Notice   is hereby provided to:

☒ **SURFACE OWNER(s)**

Name: See Attached List  
Address: 400 Woodcliff Drive

Name: \_\_\_\_\_  
Address: 400 Technology Dr Suite 100

☒ **SURFACE OWNER(s) (Road and/or Other Disturbance)**

Name: See Attached List  
Address: \_\_\_\_\_

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

☐ **SURFACE OWNER(s) (Impoundments or Pits)**

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

☒ **COAL OWNER OR LESSEE**

Name: See Attached List  
Address: 900 Virginia Street East

☒ **COAL OPERATOR**

Name: Ireland Mine  
Address: 1036 East Main Street

☒ **SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)**

Name: See Attached List  
Address: \_\_\_\_\_

☐ **OPERATOR OF ANY NATURAL GAS STORAGE FIELD**

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

\*Please attach additional forms if necessary

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WV Department of  
Environmental Protection

04/04/2025



FEB 28 2025

**Notice is hereby given:**

Pursuant to West Virginia Code § 22-6A-10(b), notice is hereby given that the undersigned well operator has applied for a permit for well work or for a certificate of approval for the construction of an impoundment or pit.

**This Notice Shall Include:**

Pursuant to W. Va. Code § 22-6A-10(b), this notice shall include: (1) copies of the application; (2) the erosion and sediment control plan required by section seven of this article; and (3) the well plat.

Pursuant to W. Va. Code § 22-6A-10(f), this notice shall include: (1) a statement of the time limits for filing written comments; (2) who may file written comments; (3) the name and address of the secretary for the purpose of filing the comments and obtaining additional information; and (4) a statement that the persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

Pursuant to W. Va. Code R. § 35-8-5.7.a, the operator shall provide the Well Site Safety Plan to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

Pursuant to W. Va. Code R. § 35-8-15.2.c, this notice shall: (1) contain a statement of the surface owner's and water purveyor's right to request sampling and analysis; (2) advise the surface owner and water purveyor of the rebuttable presumption for contamination or deprivation of a fresh water source or supply; advise the surface owner and water purveyor that refusal to allow the operator to conduct a pre-drilling water well test constitutes a method to rebut the presumption of liability; (3) advise the surface owner and water purveyor of his or her independent right to sample and analyze any water supply at his or her own expense; advise the surface owner and water purveyor whether or not the operator will utilize an independent laboratory to analyze any sample; and (4) advise the surface owner and or water purveyor that he or she can obtain from the Chief a list of water testing laboratories in the subject area capable of and qualified to test water supplies in accordance with standard acceptable methods.

Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57<sup>th</sup> Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting [www.dep.wv.gov/oil-and-gas/pages/default.aspx](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx).

**Well Location Restrictions**

Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two hundred fifty feet measured horizontally from any existing water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided, whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements. (b) No well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No well pad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the department shall be measured as follows: (1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the lake or reservoir. (2) For a surface water intake on a flowing stream, the distance shall be measured from a semicircular radius extending upstream of the surface water intake. (3) For a groundwater source, the distance shall be measured from the wellhead or spring. The department may, in its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. A waiver, if granted, shall impose any permit conditions as the secretary considers necessary. (c) Notwithstanding the foregoing provisions of this section, nothing contained in this section prevents an operator from conducting the activities permitted or authorized by a Clean Water Act Section 404 permit or other approval from the United States Army Corps of Engineers within any waters of the state or within the restricted areas referenced in this section. (d) The well location restrictions set forth in this section shall not apply to any well on a multiple well pad if at least one of the wells was permitted prior to the effective date of this article. (e) The secretary shall, by December 31, 2012, report to the Legislature on the noise, light, dust and volatile organic compounds generated by the drilling of horizontal wells as they relate to the well location restrictions regarding occupied dwelling structures pursuant to this section. Upon a finding, if any, by the secretary that the well location restrictions regarding occupied dwelling structures are inadequate or otherwise require alteration to address the items

04/04/2025



examined in the study required by this subsection, the Secretary shall have the authority to propose for promulgation legislative rules establishing guidelines and procedures regarding reasonable levels of noise, light, dust and volatile organic compounds relating to drilling horizontal wells, including reasonable means of mitigating such factors, if necessary.

#### Water Well Testing:

Pursuant to West Virginia Code § 22-6A-10(d), notification shall be made, with respect to surface landowners identified in subsection (b) or water purveyors identified in subdivision (5), subsection (b) of this section, of the opportunity for testing their water well. The operator shall provide an analysis to such surface landowner or water purveyor at their request.

#### Water Testing Laboratories:

Pursuant to West Virginia Code § 22-6A-10(i), persons entitled to notice pursuant to subsection (b) of this section may contact the department to ascertain the names and locations of water testing laboratories in the subject area capable and qualified to test water supplies in accordance with standard accepted methods. In compiling that list of names the department shall consult with the state Bureau for Public Health and local health departments. A surface owner and water purveyor has an independent right to sample and analyze any water supply at his or her own expense. The laboratory utilized by the operator shall be approved by the agency as being certified and capable of performing sample analyses in accordance with this section.

#### Rebuttable Presumption for Contamination or Deprivation of a Fresh Water Source or Supply:

W. Va. Code § 22-6A-18 requires that (b) unless rebutted by one of the defenses established in subsection (c) of this section, in any action for contamination or deprivation of a fresh water source or supply within one thousand five hundred feet of the center of the well pad for horizontal well, there is a rebuttable presumption that the drilling and the oil or gas well or either was the proximate cause of the contamination or deprivation of the fresh water source or supply. (c) In order to rebut the presumption of liability established in subsection (b) of this section, the operator must prove by a preponderance of the evidence one of the following defenses: (1) The pollution existed prior to the drilling or alteration activity as determined by a predrilling or prealteration water well test. (2) The landowner or water purveyor refused to allow the operator access to the property to conduct a predrilling or prealteration water well test. (3) The water supply is not within one thousand five hundred feet of the well. (4) The pollution occurred more than six months after completion of drilling or alteration activities. (5) The pollution occurred as the result of some cause other than the drilling or alteration activity. (d) Any operator electing to preserve its defenses under subdivision (1), subsection (c) of this section shall retain the services of an independent certified laboratory to conduct the predrilling or prealteration water well test. A copy of the results of the test shall be submitted to the department and the surface owner or water purveyor in a manner prescribed by the secretary. (e) Any operator shall replace the water supply of an owner of interest in real property who obtains all or part of that owner's supply of water for domestic, agricultural, industrial or other legitimate use from an underground or surface source with a comparable water supply where the secretary determines that the water supply has been affected by contamination, diminution or interruption proximately caused by the oil or gas operation, unless waived in writing by that owner. (f) The secretary may order the operator conducting the oil or gas operation to: (1) Provide an emergency drinking water supply within twenty-four hours; (2) Provide temporary water supply within seventy-two hours; (3) Within thirty days begin activities to establish a permanent water supply or submit a proposal to the secretary outlining the measures and timetables to be used in establishing a permanent supply. The total time in providing a permanent water supply may not exceed two years. If the operator demonstrates that providing a permanent replacement water supply cannot be completed within two years, the secretary may extend the time frame on case-by-case basis; and (4) Pay all reasonable costs incurred by the real property owner in securing a water supply. (g) A person as described in subsection (b) of this section aggrieved under the provisions of subsections (b), (e) or (f) of this section may seek relief in court... (i) Notwithstanding the denial of the operator of responsibility for the damage to the real property owner's water supply or the status of any appeal on determination of liability for the damage to the real property owner's water supply, the operator may not discontinue providing the required water service until authorized to do so by the secretary or a court of competent jurisdiction.

#### Written Comment:

Pursuant to West Virginia Code § 22-6A-11(a), all persons described in subsection (b), section ten of this article may file written comments with the secretary as to the location or construction of the applicant's proposed well work within thirty days after the application is filed with the secretary. All persons described in West Virginia Code § 22-6A-10(b) may file written comments as to the location or construction of the applicant's proposed well work to the Secretary at:

Chief, Office of Oil and Gas  
Department of Environmental Protection  
601 57<sup>th</sup> St. SE  
Charleston, WV 25304  
(304) 926-0450

Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water. **NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.**

04/04/2025

### **Time Limits and Methods for Filing Comments.**

The law requires these materials to be served on or before the date the operator files its Application. You have **THIRTY (30) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Pursuant to West Virginia Code § 22-6A-11(c)(2), Any objections of the affected coal operators and coal seam owners and lessees shall be addressed through the processes and procedures that exist under sections fifteen, seventeen and forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article. The written comments filed by the parties entitled to notice under subdivisions (1), (2), (4), (5) and (6), subsection (b), section ten of this article shall be considered by the secretary in the permit issuance process, but the parties are not entitled to participate in the processes and proceedings that exist under sections fifteen, seventeen or forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article.

### **Comment Requirements**

Your comments must be in writing and include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

Disclaimer: All comments received will be placed on our web site <http://www.dep.wv.gov/oil-and-gas/Horizontal-Permits/Pages/default.aspx> and the applicant will automatically be forwarded an email notice that such comments have been submitted. The applicant will be expected to provide a response to comments submitted by any surface owner, water purveyor or natural gas storage operator noticed within the application.

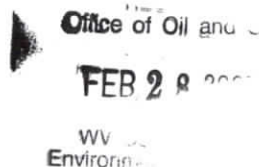
### **Permit Denial or Condition**

The Chief has the power to deny or condition a well work permit. Pursuant to West Virginia Code § 22-6A-8(d), the permit may not be issued or be conditioned, including conditions with respect to the location of the well and access roads prior to issuance if the director determines that:

- (1) The proposed well work will constitute a hazard to the safety of persons;
- (2) The plan for soil erosion and sediment control is not adequate or effective;
- (3) Damage would occur to publicly owned lands or resources; or
- (4) The proposed well work fails to protect fresh water sources or supplies.

A permit may also be denied under West Virginia Code § 22-6A-7(k), the secretary shall deny the issuance of a permit if the secretary determines that the applicant has committed a substantial violation of a previously issued permit for a horizontal well, including the applicable erosion and sediment control plan associated with the previously issued permit, or a substantial violation of one or more of the rules promulgated under this article, and in each instance has failed to abate or seek review of the violation within the time prescribed by the secretary pursuant to the provisions of subdivisions (1) and (2), subsection (a), section five of this article and the rules promulgated hereunder, which time may not be unreasonable.

Pursuant to West Virginia Code § 22-6A-10(g), any person entitled to submit written comments to the secretary pursuant to subsection (a), section eleven of this article, shall also be entitled to receive from the secretary a copy of the permit as issued or a copy of the order modifying or denying the permit if the person requests receipt of them as a part of the written comments submitted concerning the permit application. Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.



04/04/2025

WW-6A  
(8-13)

API NO. 47- 051 - 02158  
OPERATOR WELL NO. M13H  
Well Pad Name: Hines

**Notice is hereby given by:**

Well Operator: EQT CHAP LLC

Telephone: 412-997-7940

Email: [Branden.Weimer@eqt.com](mailto:Branden.Weimer@eqt.com)



Address: 400 Woodcliff Drive

Canonsburg, PA 15317

Facsimile: 412-395-2974

**Oil and Gas Privacy Notice:**

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov).

Commonwealth of Pennsylvania - Notary Seal  
Olivia Wilson, Notary Public  
Allegheny County  
My commission expires October 25, 2027  
Commission number 1359968  
Member, Pennsylvania Association of Notaries

Subscribed and sworn before me this 26<sup>th</sup> day of Feb., 2025.

 Notary Public

My Commission Expires OCT. 25, 2027

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FEB 28 2025

WV Department of  
Environmental Protection

04/04/2025

## **HINES LANDOWNER LIST**

### **Access Road & Well Pad**

**14-12-30: Shelby Wood Hinterer**

14646 WV Rt 18 S, New Milton, WV 26411

### **Water Purveyor List**

Bobby Baker  
742 Toms Run Ln  
Moundsville, WV 26041

Kevin Porter  
899 Toms Run Ln  
Moundsville, WV 26041

Elmer Grandstaff Jr Est  
762 Toms Run Rd  
Moundsville, WV 26041

Tobias & Jessica Brown  
873 Toms Run Ln  
Moundsville, WV 26041

Edward David Knuth  
747 Toms Run Ln  
Moundsville, WV 26041

Raymond Yoho  
524 Toms Run Ln  
Moundsville, WV 26041

Morgan Lacefield  
77 Bridge Street Plz  
Wheeling, WV 26003

### **Coal Owner / Operator**

Consol Mining Company LLC  
Attn: Casey Saunders  
275 Technology Drive  
Canonsburg, PA 15317

Marshall County Coal Resources, Inc.  
46226 National Road West  
Saint Clairsville, OH 43950

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Topo Quad: Moundsville 7.5'

Scale: 1" = 1000'

County: Marshall

Date: January 31, 2025

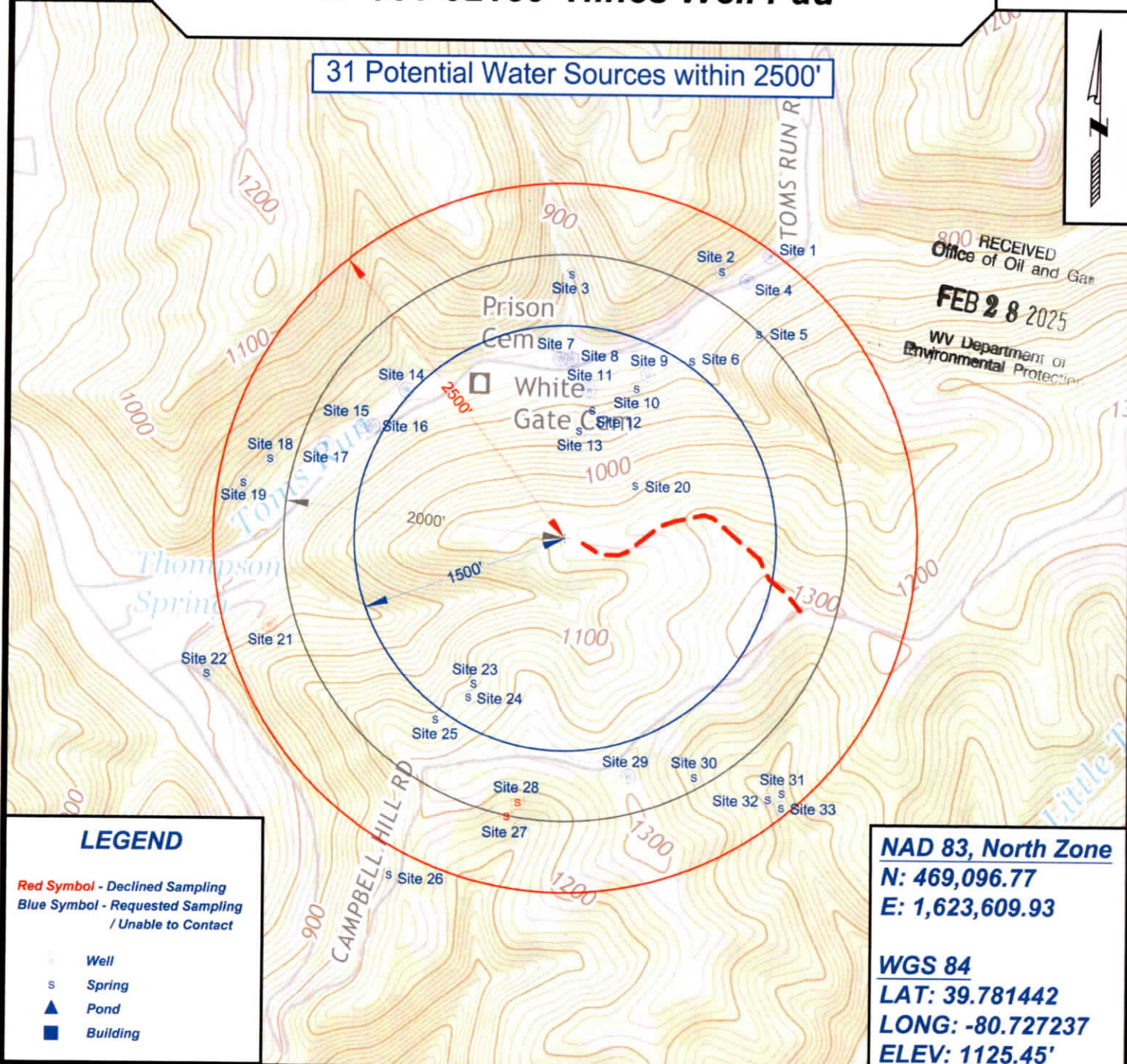
District: Washington

Project No: 17-44-W-22

Water

## 47-051-02159 Hines Well Pad

31 Potential Water Sources within 2500'



SURVEYING AND MAPPING SERVICES PERFORMED BY:

**ALLEGHENY SURVEYS, INC.**

1-800-482-8606  
237 Birch River Road  
Birch River, WV 26610  
PH: (304) 649-8606  
FAX: (304) 649-8608

PREPARED FOR:

**EQT Production Company**

400 Woodcliff Drive  
Canonsburg, PA 15317

04/04/2025



**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**  
**NOTICE OF INTENT TO DRILL**

Pursuant to W. Va. Code § 22-6A-16(b), the Notice of Intent to Drill is only required if the notice requirements of W. Va. Code § 22-6A-10(a) have NOT been met or if the Notice of Intent to Drill requirement has NOT been waived in writing by the surface owner.

**Notice Time Requirement:** Notice shall be provided at least **TEN (10)** days prior to filing a permit application.

**Date of Notice:** 12/05/2024

**Date Permit Application Filed:** \_\_\_\_\_

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**FEB 28 2025**

WV Department of  
Environmental Protection

**Delivery method pursuant to West Virginia Code § 22-6A-16(b)**

☐ HAND

DELIVERY

☒ CERTIFIED MAIL

RETURN RECEIPT REQUESTED

Pursuant to W. Va. Code § 22-6A-16(b), at least ten days prior to filing a permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner notice of its intent to enter upon the surface owner's land for the purpose of drilling a horizontal well: *Provided*, That notice given pursuant to subsection (a), section ten of this article satisfies the requirements of this subsection as of the date the notice was provided to the surface owner: *Provided, however*, That the notice requirements of this subsection may be waived in writing by the surface owner. The notice, if required, shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative.

**Notice is hereby provided to the SURFACE OWNER(s):**

Name: Shelby Wood HINTERER

Address: 14646 WV Rt 18 S, New Milton, WV 26411

Name: \_\_\_\_\_

Address: \_\_\_\_\_

**Notice is hereby given:**

Pursuant to West Virginia Code § 22-6A-16(b), notice is hereby given that the undersigned well operator has an intent to enter upon the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

State: PA  
County: Marshall  
District: Washington  
Quadrangle: Glen Easton  
Watershed: Middle Grave Creek - Grave Creek

UTM NAD 83 Easting: 525,708.36  
Northing: 4,417,405.08  
Public Road Access: Campbell Hill Road/WV-38  
Generally used farm name: Hines

**This Notice Shall Include:**

Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57<sup>th</sup> Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting [www.dep.wv.gov/oil-and-gas/pages/default.aspx](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx).

**Notice is hereby given by:**

Well Operator: EQT Chap LLC  
Address: 400 Woodcliff Drive  
Canonsburg, PA 15317  
Telephone: 412-997-7940  
Email: Branden.Weimer@eqt.com  
Facsimile: 412-395-2974

Authorized Representative: Nikolai Softcheck  
Address: 400 Woodcliff Drive  
Canonsburg, PA 15317  
Telephone: 412-582-3132  
Email: nikolai\_softcheck@eqt.com  
Facsimile: 412-239-1645

**Oil and Gas Privacy Notice:**

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov).

**04/04/2025**

**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**  
**NOTICE OF PLANNED OPERATION**

**Notice Time Requirement:** notice shall be provided no later than the **filing date of permit application.**

**Date of Notice:** 2/24/25 **Date Permit Application Filed:** 2/27/25

RECEIVED  
Office of Oil and Gas

**FEB 28 2025**

**Delivery method pursuant to West Virginia Code § 22-6A-16(c)**

☒ CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

☐ HAND  
DELIVERY

WV Department of  
Environmental Protection

Pursuant to W. Va. Code § 22-6A-16(c), no later than the date for filing the permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner whose land will be used for the drilling of a horizontal well notice of the planned operation. The notice required by this subsection shall include: (1) A copy of this code section; (2) The information required to be provided by subsection (b), section ten of this article to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. (d) The notices required by this section shall be given to the surface owner at the address listed in the records of the sheriff at the time of notice.

**Notice is hereby provided to the SURFACE OWNER(s)**

(at the address listed in the records of the sheriff at the time of notice):

Name: Shelby Wood Hinterer  
Address: 14646 WV Rt 18 S  
New Milton, WV 26411

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

**Notice is hereby given:**

Pursuant to West Virginia Code § 22-6A-16(c), notice is hereby given that the undersigned well operator has developed a planned operation on the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

State:	<u>PA</u>	UTM NAD 83	Easting:	<u>525,708.36</u>
County:	<u>Marshall</u>		Northing:	<u>4,417,405.08</u>
District:	<u>Washington</u>	Public Road Access:	<u>Campbell Hill Road/WV-38</u>	
Quadrangle:	<u>Glen Easton</u>	Generally used farm name:	<u>Hines</u>	
Watershed:	<u>Middle Grave Creek - Grave Creek</u>			

**This Notice Shall Include:**

Pursuant to West Virginia Code § 22-6A-16(c), this notice shall include: (1) A copy of this code section; (2) The information required to be provided by **W. Va. Code § 22-6A-10(b)** to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57<sup>th</sup> Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting [www.dep.wv.gov/oil-and-gas/pages/default.aspx](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx).

Well Operator: EQT Chap LLC  
Telephone: 412-997-7940  
Email: Branden.Weimer@eqt.com

Address: 400 Woodcliff Drive  
Canonsburg, PA 15317  
Facsimile: 412-395-2974

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The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov).

04/04/2025





**WEST VIRGINIA  
DEPARTMENT OF TRANSPORTATION**

1900 Kanawha Boulevard East • Building Five • Room 109  
Charleston, West Virginia 25305-0440 • (304) 558-0444

Michael J. DeMers  
Deputy Secretary of Transportation

Stephen T. Rumbaugh, P.E.  
Secretary of Transportation  
Commissioner of Highways

February 7, 2025

James A. Martin, Chief  
Office of Oil and Gas  
Department of Environmental Protection  
601 57<sup>th</sup> Street, SE  
Charleston, WV 25304

**Subject: DOH Permit for the Hines Well Pad, Marshall County  
Hines M12H Well Site Hines M13H Well Site Hines M14H Well Site**

Dear Mr. Martin,

This well site will be accessed from a DOH permit #06-2017-0073 which has been transferred to EQT Production Company for access to the State Road for a well site located off Marshall County Route 38 SLS MP 1.72.

This operator is in compliance with §22-6A-20 of the WV Code. Operator has signed a STATEWIDE OIL AND GAS ROAD MAINTENANCE BONDING AGREEMENT and provided the required Bond. This operator is currently in compliance with the DOH OIL AND GAS POLICY dated March 6, 2023. This letter is valid for permitting purposes for one year from the date of this letter.

Very Truly Yours,

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Office of Oil and Gas

FEB 28 2025

WV Department of  
Environmental Protection

Lacy D. Pratt  
Central Office O&G Coordinator

Cc: Nikolai Softcheck  
EQT Production Company  
OM, D-6  
File

# Anticipated Frac Additives

## Chemical Names and CAS Numbers

<u>Material</u>	<u>Ingredient</u>	<u>CAS Number</u>
Sand (Proppant)	Silica Substrate	14808-60-7
Water	Water	7732-18-5
Hydrochloric Acid (HCl)	Hydrogen Chloride	7647-01-0
Friction Reducer	Copolymer of 2-propenamide	Proprietary
	Petroleum Distillate	64742-47-8
	Oleic Acid Diethanolamide	93-83-4
	Alcohols, C12-16, ethoxylated	68551-12-2
	Ammonium chloride ((NH4)Cl)	12125-02-9
Biocide	Glutaraldehyde	111-30-8
	Alkyl dimethyl benzyl ammonium chloride	68391-01-5
	Didecyl dimethyl ammonium chloride	7173-51-5
	Non-hazardous substances	Proprietary
Scale Control	Bis(Hexamethylene Triamine Penta(Methylene Phosphonic Acid))(BHMT)	34690-00-1
	Non-hazardous substances	Proprietary
Acid Chelating Agent	Ferriplex 66	
	Citric Acid	77-92-9
	Acetic Acid	64-19-7
Corrosion Inhibitor	PLEXHIB 166	
	Methanol	67-56-1
	Alcohols, C14-15, ethoxylated	68951-67-7

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WV Department of  
Environmental Protection

04/04/2025

OPERATOR: EQT CHAP LLC

WELL NO: M13H

PAD NAME: Hines

REVIEWED BY: Branden Weimer

SIGNATURE: 

## WELL RESTRICTIONS CHECKLIST

### HORIZONTAL 6A WELL

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WV Department of  
Environmental Protection

### Well Restrictions

- ☐ At Least 100 Feet from Pad and LOD (including any E&S Control Feature) to any Perennial Stream, Lake, Pond, Reservoir or Wetland; OR
- ☐ DEP Waiver and Permit Conditions **N/A - Pre 6A site**
- ☒ At Least 300 Feet from Pad and LOD (including any E&S Control Feature) to any Naturally Producing Trout Stream; OR
- ☐ DEP Waiver and Permit Conditions
- ☒ At Least 1000 Feet from Pad and LOD (including any E&S Control Feature) to any Groundwater Intake or Public Water Supply; OR
- ☐ DEP Waiver and Permit Conditions
- ☒ At Least 250 Feet from an Existing Water Well or Developed Spring to Well Being Drilled; OR
- ☐ Surface Owner Waiver and Recorded with County Clerk, OR
- ☐ DEP Variance and Permit Conditions
- ☒ At Least 625 Feet from an Occupied Dwelling Structure to Center of the Pad; OR
- ☐ Surface Owner Waiver and Recorded with County Clerk, OR
- ☐ DEP Variance and Permit Conditions
- ☒ At Least 625 Feet from Agricultural Buildings Larger than 2500 Square Feet to the Center of the Pad; OR
- ☐ Surface Owner Waiver and Recorded with County Clerk, OR
- ☐ DEP Variance and Permit Conditions

04/04/2025