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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)

Friday, March 21, 2025  
WELL WORK PERMIT  
Horizontal 6A / Drilling Deeper

EQT CHAP LLC  
400 WOODCLIFF DR.

CANONSBURG, PA 15317

Re: Permit approval for HINES M14H  
47-051-02159-00-00

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.

A blue ink signature of James A. Martin, Chief, is written over the text of his name and title.

James A. Martin  
Chief

Operator's Well Number: HINES M14H  
Farm Name: DONALD HINES ET UX  
U.S. WELL NUMBER: 47-051-02159-00-00  
Horizontal 6A Drilling Deeper  
Date Issued: 3/21/2025

Promoting a healthy environment.

03/28/2025

# 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.

03/28/2025

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

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

2) Operator's Well Number: M14H      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: 24,032'

11) Proposed Horizontal Leg Length: 16,865'

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.

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	437	437	533 ft <sup>3</sup> / CTS
Coal							
Intermediate	9 5/8	New	L-80	40	2050	2050	ft <sup>3</sup> / CTS
Production	5 1/2	New	P-110	20	24032	24032	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:				
Sizes:				
Depths Set:				

*Strader Gower*  
2/03/2025

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)

23) Describe centralizer placement for each casing string:

- 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.

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.



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

RECEIVED  
Office of Oil and Gas  
APR 5 2022  
WV Department of  
Environmental Protection

API 47-051-02159 County Marshall District Washington  
Quad Moundsville Pad Name Hines Field/Pool Name \_\_\_\_\_  
Farm name Donald Hines et UX Well Number Hines M14H  
Operator (as registered with the OOG) EQT CHAP LLC  
Address 400 Woodcliff Drive City Canonsburg State PA Zip 15317

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey  
Top hole Northing 4,417,409.65 Easting 525,708.46  
Landing Point of Curve Northing \_\_\_\_\_ Easting \_\_\_\_\_  
Bottom Hole Northing 4,417,715.52 Easting 526,139.26

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 03/23/2019 Date drilling ceased 06/03/2019  
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

Reviewed by: MJK 5/11/22

APJ 47-051 02159

Farm name Donald Hines et UX

Well number Hines M14H

CASING STRINGS	Hole Size	Casing Size	Depth (GL)	New or Used	Grade wt/#	Basket Depth(s) (GL)	Did cement circulate (Y/N) * Provide details below*
Conductor	30"	20"	50'	NEW	J-55 94#	N/A	Y
Surface	17-1/2"	13-3/8"	437'	NEW	J-55 54.5#	N/A	Y
Coal							
Intermediate 1	12-3/8"	9-5/8"	2050'	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 (lbs)	Yield (ft <sup>3</sup> /sacks)	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	887	15.6	1.19	817	0	8
Intermediate 2							
Intermediate 3							
Production							
Tubing							

Drillers TD (ft) 5920'

Loggers TD (ft) N/A

Deepest formation penetrated MARCELLUS

Plug back to (ft) N/A

Plug back procedure

Kick off depth (ft) 780'

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





Well# Hines M14H Final Formations API# 47-051-02159				
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	1,593
Big Lime	1,596	1,593	1,658	1,655
Sand/Shale	1,658	1,655	1,832	1,826
Burgoon	1,832	1,826	1,985	1,978
Sand/Shale	1,985	1,978	2,199	2,189
Berea	2,199	2,189	2,220	2,210
Sand/Shale	2,220	2,210	2,456	2,438
Gordon	2,456	2,438	2,531	2,508
Sand/Shale	2,531	2,508	4,978	4,702
Eik	4,978	4,702	4,979	4,703
Sand/Shale	4,979	4,703	5,639	5,293
Rhinestreet	5,639	5,293	5,929	5,555



**HINES M14H**  
**PAGE 2 OF 2**  
**AS DRILLED PLAT**

SURFACE OWNER	DIST-TM/PAR
1 DONALD HINES ET UX	14-12/30
2* ARNE 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* TOSIAS G. & JESSICA D. BROWN	14-12/28
6 JODI LYNN & TERRY A. HARSING	14-12/29

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	
CARY MORRISON	
ELIZABETH Y. MORRISON	
ROGER GLEN RULONG	
TRUSTEES LIMESTONE PRESBYTERIAN CHURCH	
CLYDE DOWLER ET UX	
DRJ ELLA FOX	
LAIKA J. REYES	
DALE FRANCIS FURSEE	
HAROLD DEAN FURSEE	
JOHN T. MORRIS	
ETHEL M. RULONG	
RICHARD J. RULONG	
ROBERT C. 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 JODI LYNN HARSING ET UX	14-12/29

AS-DRILLED LOCATION
WELL ID-#00000
SURFACE HOLE LOCATION (H4)
N 4417409.85
E 5257708.48
APPROX LOCATING POINT (L1)
N/A
E/W/A
BOTTOM HOLE LOCATION (H4)
N 4417715.22
E 5261138.28

\* - DENOTES PARCEL WITHIN 30 FEET OF PLANNED WELL BORE

**THRASHER**

THE THRASHER GROUP, INC.  
 500 WHITE OAKS BLVD.  
 BRIDGEPORT, WV 26330  
 PHONE 304-624-4109

DECEMBER 13, 2021

4705102159

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

January 31, 2025

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WV Department of Environmental Protection Page 1 of 2

03/28/2025

## 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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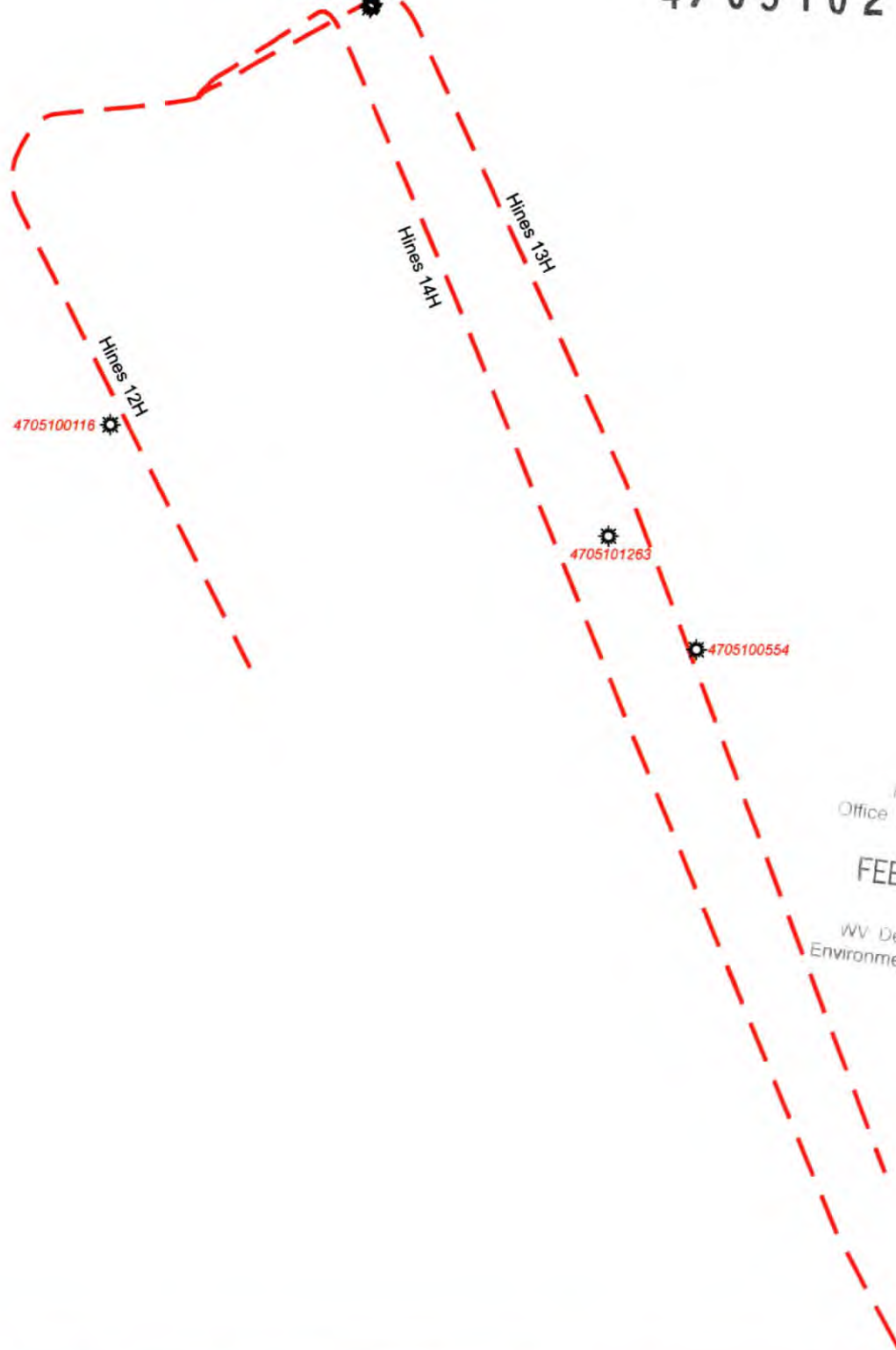
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EQT Corporation  
625 Liberty Avenue  
Pittsburgh, PA 15222

Hines

Vertical Offsets and  
Foreign Laterals  
within 500 Feet

### Legend

Well Lateral\_FM

Formation

- Genesee
- Marcellus
- Utica
- Hines\_Offset\_Wells

2000 1000 0 2000

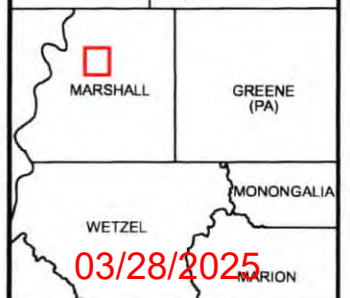


Scale: 1 Inch = 2000 Feet

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 determined by a field survey performed by a licensed surveyor upon consultation with EQT.

1 Inch = 116,000 Feet



03/28/2025

UWI	ABAND_DATE	CURR_OPER	ELEV_RF_CD	FIELD_NAME	FNL_CLASS	LATITUDE	LONGITUDE	OPER_NAME	PROJ_ID	SPUD_DATE	ELEVATION	TOT_DEPTH
01854000C	Cancelled		GR	NA	NA	39.90932800	-80.69188900	Chevron	6317.00000000	NA	1160.00	
01856000C	Cancelled		GR	NA	NA	39.90937500	-80.69185200	Chevron	6317.00000000	NA	1160.00	
01857000C	Cancelled		GR	NA	NA	39.90942200	-80.69181500	Chevron	6317.00000000	NA	1160.00	
01858000C	Cancelled		GR	NA	NA	39.90947100	-80.69177800	Chevron	6317.00000000	NA	1160.00	
01263000C	NA	EQT Chap	GR	Unnamed	DEVELOPMENT WELL-OIL/GAS	39.89182200	-80.68102400	AB Resources	6547.00000000	5/11/2009	1312.00	9280.00
00554000C	3/20/1973	Unknown	GR	Unnamed	Unsuccessful	39.88832200	-80.67720000	Kentucky Central	1441.00000000	10/5/2001	804.00	1441.00

4705102159

4705102159



EQT Production Company  
400 Woodcliff Drive | Canonsburg, PA 15317

February 7, 2025

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

Re: Class L Cement Variance Request  
Himes M14H 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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WV Department of  
Environmental Protection

03/28/2025



4705102159

west virginia department of environmental protection

Office of Oil and Gas  
601 57<sup>th</sup> Street, SE  
Charleston, WV 25304  
Phone (304) 928-0450

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 ) ORDER NO. 2022-14  
SECTION 11.5 AND LEGISLATIVE RULE )  
35CSR8 SECTION 9.2.h.8., )  
RELATING TO THE CEMENTING )  
OF OIL AND GAS WELLS )**

**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.

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Office of Oil and Gas

FEB 10 2025

**FINDINGS OF FACT**

WV Department of  
Environmental Protection

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.

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

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



---

James Martin, Chief  
Office of Oil and Gas

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WV Department of  
Environmental Protection

03/28/2025



**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		FW @ 392,447, ,	447	452
Sewickley Coal	581	584	Coal	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		
Berea	2072	2467	Sandstone	Not near storage		
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			
Geneseo	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			
<b>-Lateral Zone</b>	<b>6312</b>			Start Lateral at 6312'		
Cherry Valley	6322	6324	Limestone			
Onondaga	6332		Limestone			

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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**

	Planned Depth KB	Planned Depth GL	
<b>Conductor:</b> CSG OD 26" CSG DEPTH: 40	40	40	<b>FW NEEDS UPDATED WITH EQT SAMPLING PRIOR TO DRILLING</b>
<b>Fresh Water/Coal:</b> CSG OD 13 3/8" CSG DEPTH: 716	716	688	
<b>Intermediate 1:</b> CSG OD 9 5/8" CSG DEPTH: 1986	1986	1958	
<b>Production:</b> CSG OD 5 1/2" CSG DEPTH: @ TD	@ TD	@ TD	

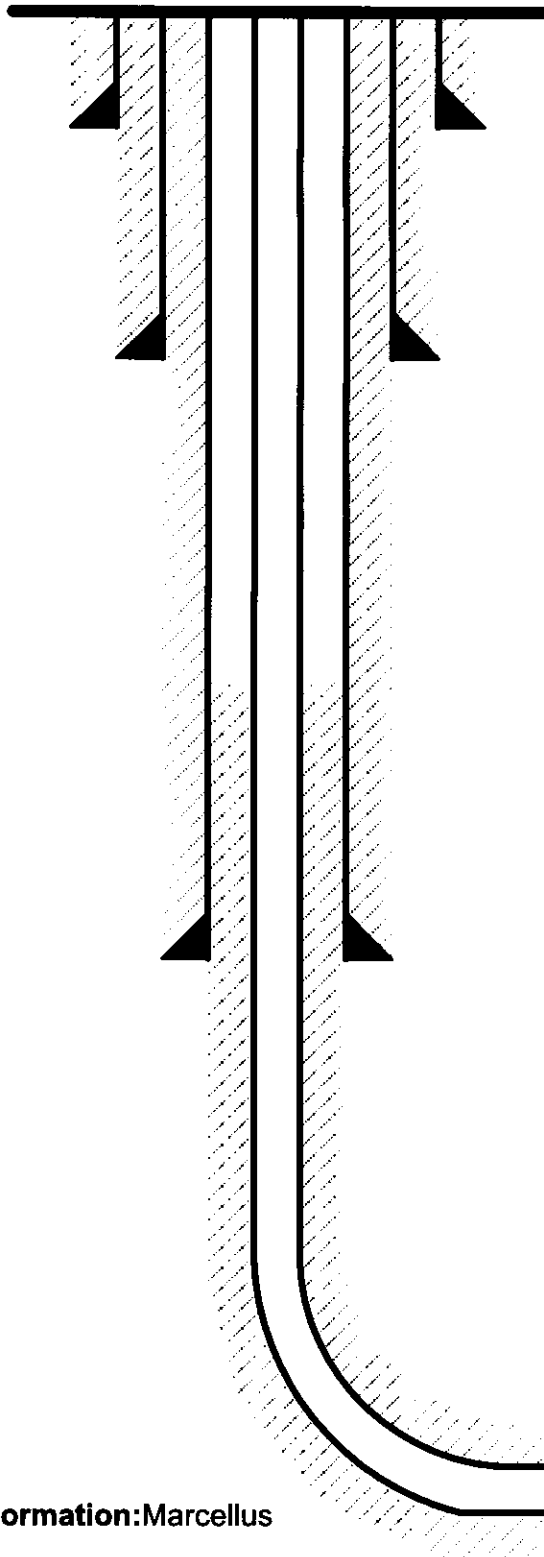
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**EQT Production**

**Wellbore Diagram**

Well: Hines 14H  
 Pad: Hines  
 Elevation: 1124' GL 1152' KB

County: Marshall  
 State: West Virginia



**Conductor @ 50'**  
 20", 94#, J-55, cement to surface w/ Class A

**Surface @ 437'**  
 13-3/8", 54.5#, J-55, cement to surface w/ Class A

**Intermediate @ 2,050'**  
 9-5/8", 40#, L-80, cement to surface w/ Class A

**Production @ 24,032' MD / 6,312' TVD**  
 5-1/2", 20#, P-110, cement to 500' inside 9-5/8" w/ Class A/H/L

**Formation: Marcellus**

*Strader Gower*  
 2/03/2025

08/28/2025 SCALE

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name EQT CHAP LLC OP Code 494525804

Watershed (HUC 10) Middle Grave Creek - Grave Creek Quadrangle Moundsville

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 [Signature]

Company Official (Typed Name) Branden Weimer

Company Official Title Regional Manager - Permitting

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Subscribed and sworn before me this 1<sup>st</sup> day of February, 2005

[Signature]

Notary Public

My commission expires Oct. 25, 2007

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



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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, viscosifer, alkalinity control, lime, filtration control, deflocculates, biodegradable oil lubricant, defoaming, walnut shell, salt, x-cide, carbonates.
- Synthetic mud – synthetic base oil, emulsifier, salt, lime, viscosifer, alkalinity control, filtration control, deflocculates, biodegradable oil lubricant, defoaming, carbonates.

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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/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
KY-31	40	Orchard Grass	15
Alsike Clover	5	Alsike Clover	5
Annual Rye	15		

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.

Title: Oil & Gas Inspector

Date: 2/03/2025

Field Reviewed? (  ) Yes (  ) No



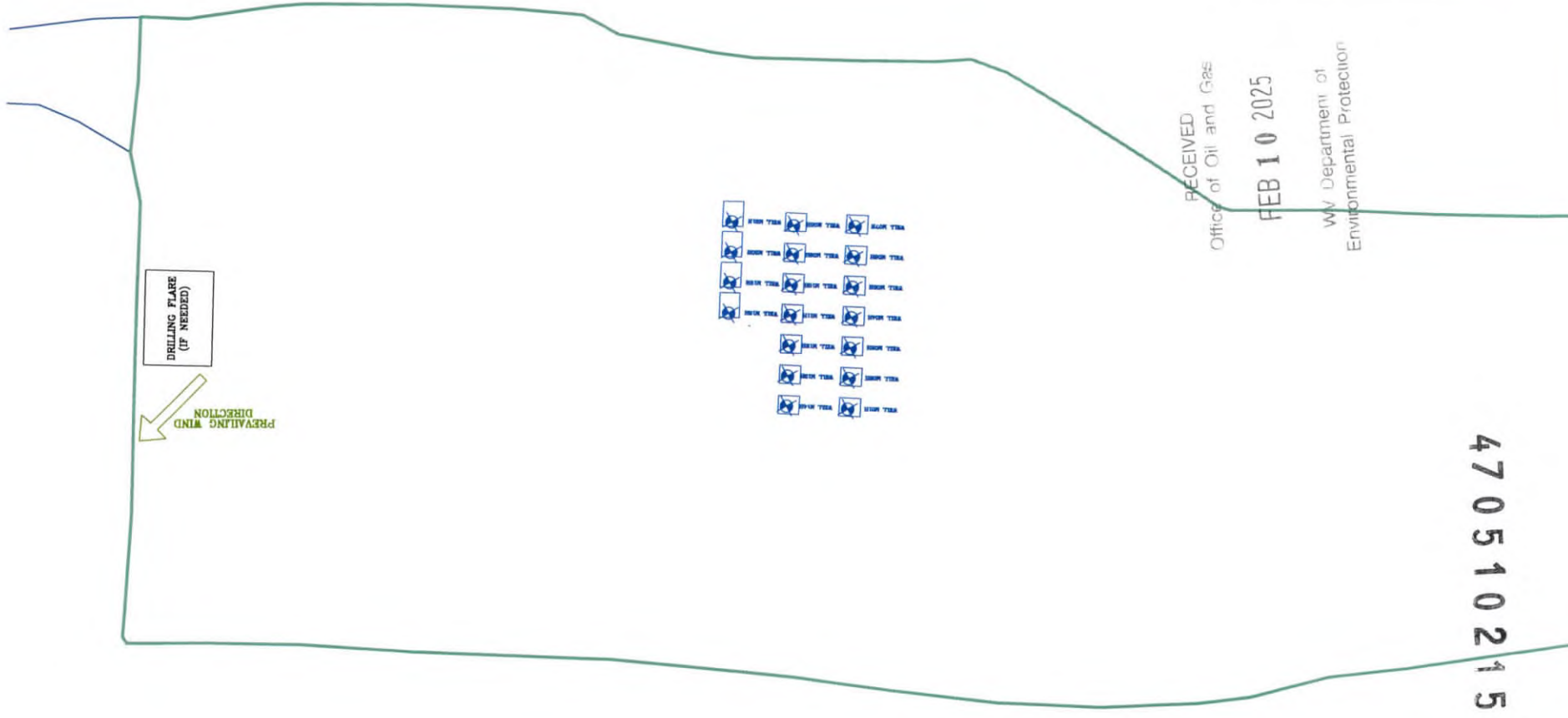
NOTES:

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 change based on those.

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Hines A Flare Map

Washington Twp, Marshall Co., WV

Scale: 1" = 50'

1 of 1

LEGEND

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

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

EQT Production Water Plan									
Offsite Disposals for Unconventional Wells									
Facility Name	Address	Address 2	City	State	Zip	Phone	County	State	Permit Number
CWS Trucking Inc.	P.O. Box 391		Williamstown	WV	26187	740-516-3586	Noble	OH	3390
Broad Street Energy LLC	37 West Broad Street	Suite 1100	Columbus	OH	43215	740-516-5381	Washington	OH	8462
LAD Liquid Assets Disposal Inc.	226 Rankin Road		Washington	PA	15301	724-350-2760	Ohio	WV	USEPA WV 0014
Triad Energy	PO Box 430		Reno	OH	45773	740-516-6021 740-374-2940	Noble	OH	4037
Tri County Waste Water Management, Inc.	1487 Toms Run Road		Holbrook	PA	15341	724-627-7178 724-499-5647	Greene	PA	TC-1009
King Excavating Co. Advance Waste Services	101 River Park Drive		New Castle	PA	16101		Lawrence	PA	PAR000029132
Waste Management - Meadowfill Landfill	Rt. 2, Box 68 Dawson Drive		Bridgeport	WV	16330	304-326-6027	Harrison	WV	SWF-1032-98 Approval #100785WV
Waste Management - Northwestern Landfill	512 E. Dry Road		Parkersburg	WV	26104	304-428-0602	Wood	WV	SWF-1025 WV-0109400
APEX Landfill	11 County Road 78	PO Box 57	Amsterdam	OH	43903	740-543-4389	Jefferson	OH	06-08438
Advanced Disposal - Chestnut Valley Landfill	1184 McClellandtown Road		McClellandtown	PA	15458	724-437-7336	Fayette	PA	100419
Westmoreland Sanitary Landfill	901 Tyrol Boulevard		Belle Vernon	PA	15012	724-929-7694	Westmoreland	PA	100277
Austin Master Services	801 North 1st Street		Martins Ferry	OH	43935	740-609-3800	Belmont	OH	2014-541
Belmont Solids Control	77505 Cadiz-New Athens Road		Cadiz	OH	43907	740-942-1739	Harrison	OH	2015-511
Diversified Resources	3111 Braun Rd.		Belpre	OH	45714	740-401-0413	Washington	OH	
Buckeye Brine	23986 Airport Road		Coshocton	OH	43812	740-610-1512 724-591-4393	Coshocton	OH	34-031-27177 34-031-27178 34-031-27241
Central Environmental Services	28333 West Belpre Pike		Coolville	OH	45723	304-488-0701	Athens	OH	
Nuverra - Nichols	10555 Veto Road		Belpre	OH	45714	330-232-5041	Washington	OH	34-119-2-8776
Nuverra - Goff	9350 East Pike Road		Norwich	OH	43767	330-232-5041	Muskingum	OH	34-167-2-3862
Nuverra - Wolf	5480 State Route 5		Newton Falls	OH	44444	330-232-5041	Trumbull	OH	34-155-2-1893
Nuverra - Pander	5310 State Route 5		Newton Falls	OH	44444	330-232-5041	Trumbull	OH	34-155-2-3795
Nuverra - AnnaRock D-1	3549 Warner Road		Fowler	OH	44418	330-232-5041	Trumbull	OH	34-155-2-2403

*Strader Gower*  
2/03/2025

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FQ Helen	199 Bowersock Road		Reno	OH	45773	740-374-2940 412-443-4397 740-236-2135	Washington	OH	34-167-2-9577
FQ Dexter	38505 Marietta Rd.		Dexter City	OH	45727	740-374-2940 412-443-4397 740-236-2135	Noble	OH	34-121-24037 34-121-24086
FQ Ritchie	122 Lonesome Pine Rd		Ellenboro	WV	26346	740-374-2940 412-443-4397 740-236-2135	Ritchie	WV	47-085-09721
FQ Mills	53610 TS Rd 706		Portland	OH	45770	740-374-2940 412-443-4397 740-236-2135	Meigs	OH	34-105-2-3619 34-105-2-3652 34-105-2-3637 34-105-2-3651
Petta Enterprises - OH	745 North 3rd Street		Cambridge	OH	43725	614-477-1368	Guernsey	OH	Ohio Chiefs Order 25-019
Petta Enterprises - WV	38 Technology Dr.		Tridelpia	WV	26059	740-255-5727	Ohio	WV	
Deep Rock Disposal	2341 OH-821		Marietta	OH	45750	304-629-0176	Washington	OH	34-167-2-9766
Waste Management - Arden Landfill	100 Rangos Road		Washington	PA	15301	866-909-4458	Washington	PA	100172
Wetzel County Sanitary Landfill	1521 Wetzel County Landfill Road		New Martinsville	WV	26155	3044553800	Wetzel	WV	SWF-1021

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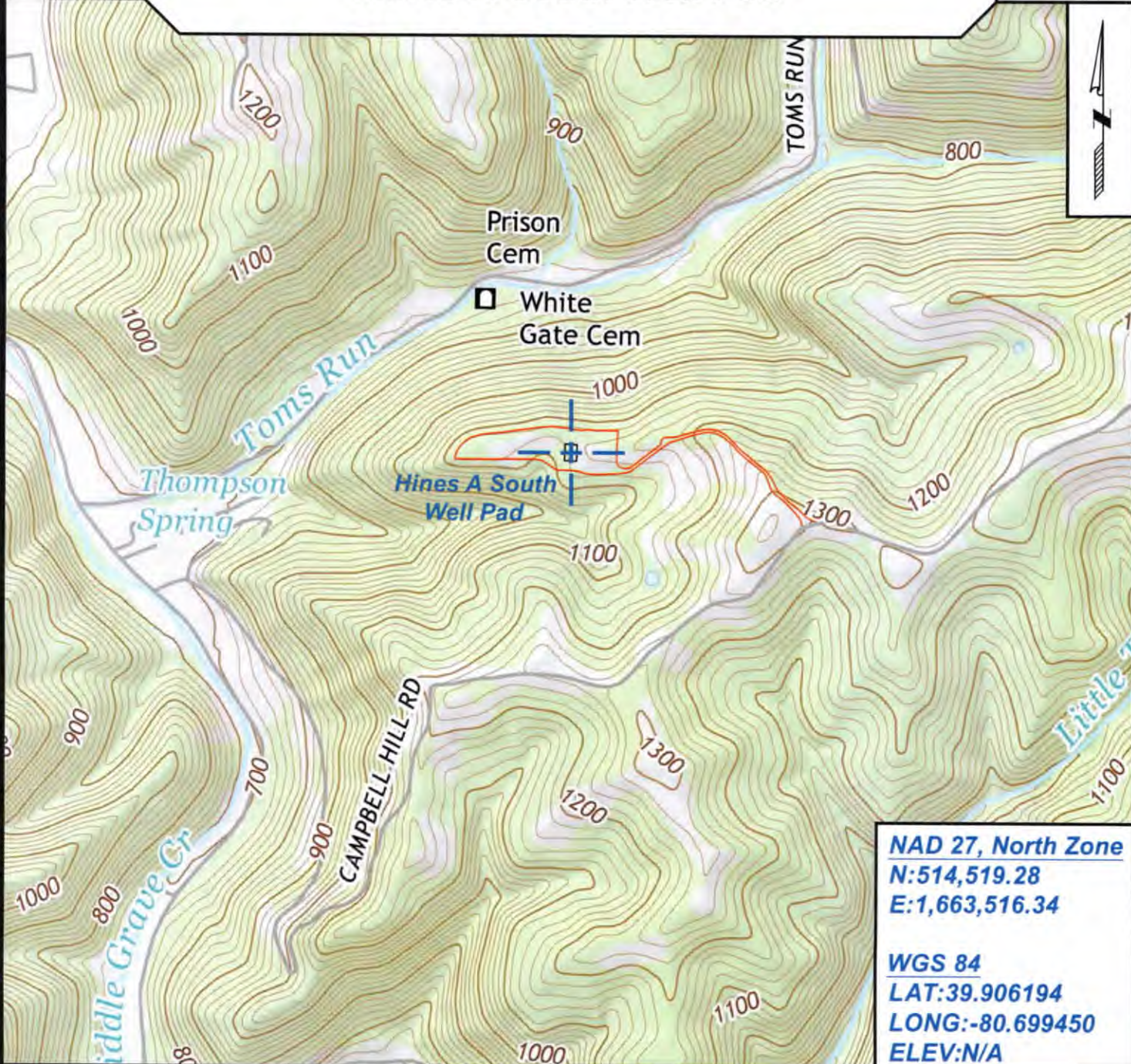
Topo Quad: Moundsville Scale: 1" = 1000'

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

Stamp: 03/28/2025  
 2/03/2025



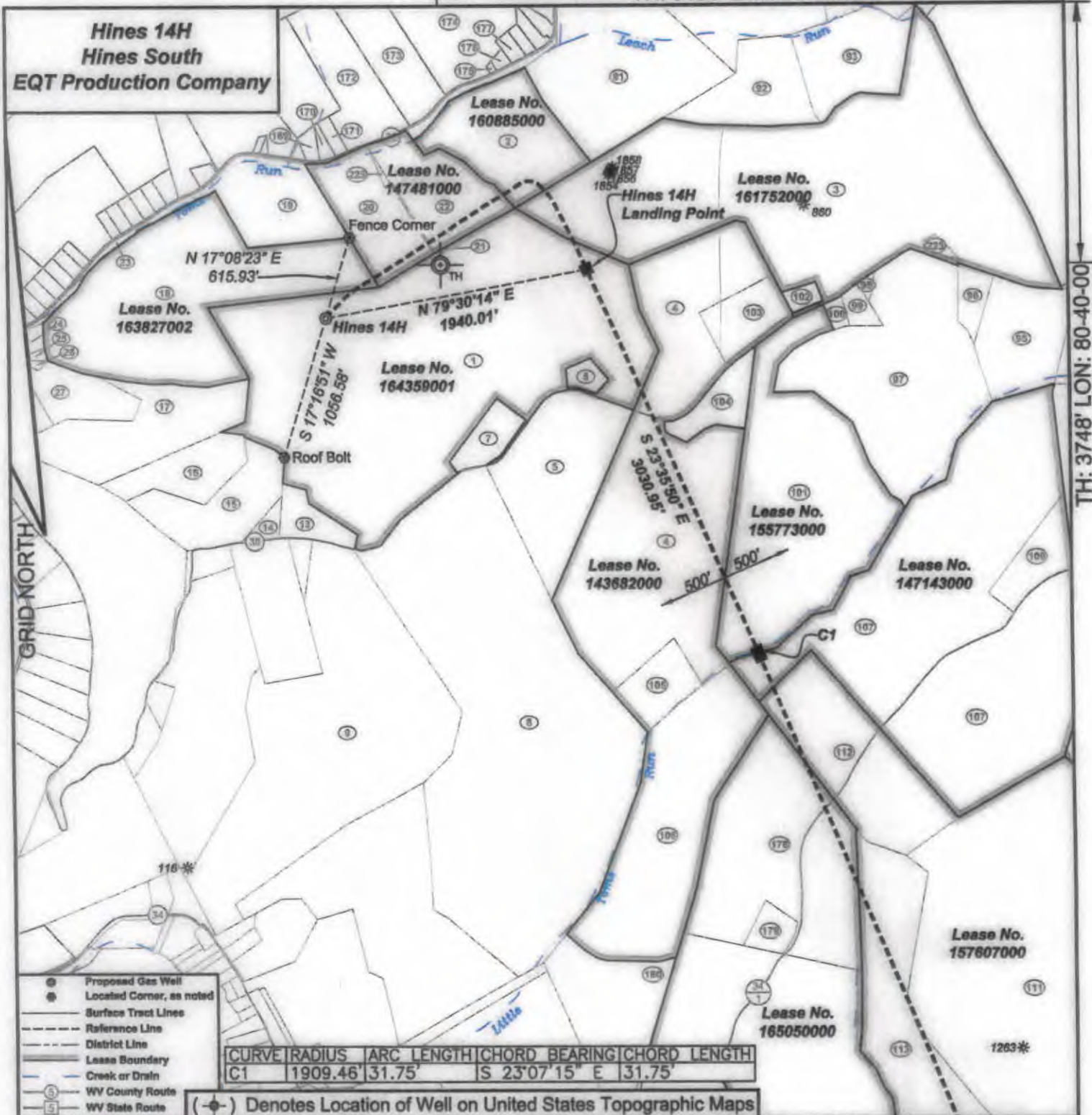




TH: 9136' LAT: 39-55-00

TH: 3748' LON: 80-40-00

Hines 14H  
Hines South  
EQT Production Company



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

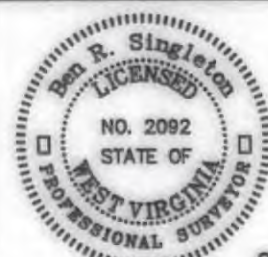
CURVE	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
C1	1909.46'	31.75'	S 23°07'15" E	31.75'

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



I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Department of Environmental Protection.

*Ben R. Singleton*  
P.S. 2092



SEAL

FILE NO: 17-22  
 DRAWING NO: Hines 14H  
 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: January 30 20 25  
 OPERATOR'S WELL NO.: Hines 14H  
 API WELL NO  
 47 - 051 - 02159  
 STATE COUNTY PERMIT

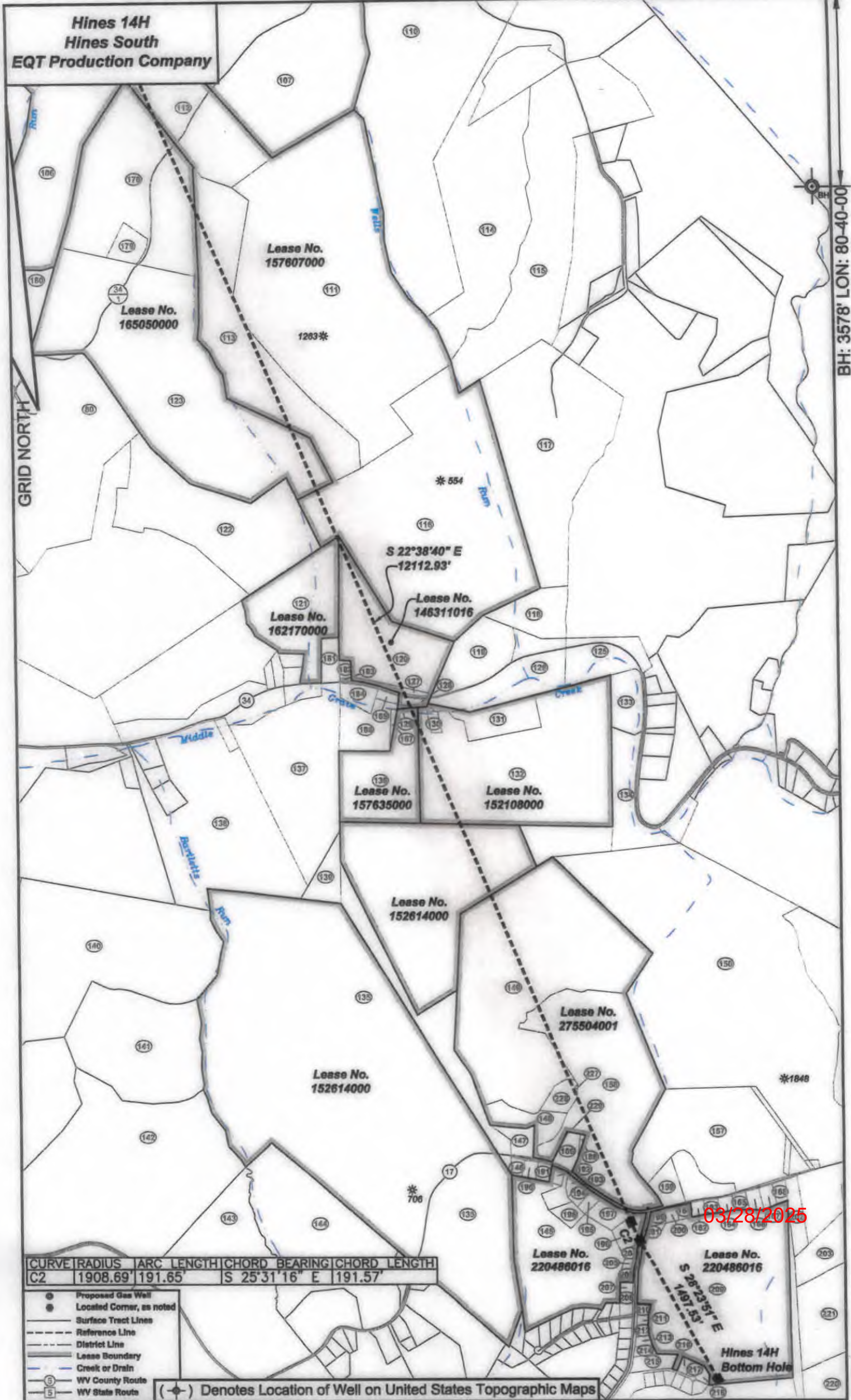
WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
 (IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW  
 LOCATION: ELEVATION: 1125' WATERSHED Middle Grave Creek QUADRANGLE: Moundville  
 DISTRICT: Washington COUNTY: Marshall 03/28/2025  
 SURFACE OWNER: Shelby Hinterer ACREAGE: 94.658  
 ROYALTY OWNER: 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



BH: 348' LAT: 39-52-30

Hines 14H  
Hines South  
EQT Production Company



BH: 3578' LON: 80-40-00

CURVE	RADIUS	ARC LENGTH	CHORD	BEARING	CHORD LENGTH
C2	1908.69'	191.65'	S 25°31'16" E	191.57'	

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

(\*) Denotes Location of Well on United States Topographic Maps

03/28/2025

Hines 14H  
Bottom Hole





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

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

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

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

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


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

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

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

Well Operator: EQT CHAP LLC  
 By: Branden Weimer   
 Its: Regional Manager - Permitting

WW-6A1 attachment

Operator's Well No.

Hines 14H

Lease No.	Grantor, Lessor, etc.	Acres	Grantee, Lessee, etc.	Royalty	Book/Page
<u>164359001</u>	<u>Shelby Hinters</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>163827002</u>	<u>Gary D. Morrison, et al.</u> Elizabeth Y. Morrison, a widow Chevron U.S.A. Inc.	39 ac	Chevron U.S.A. Inc. EQT Aurora LLC	"at least 1/8th per WV Code 22-6-8"	DB 847/68 AB 47/1
<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>161752000</u>	<u>Okay L. Rine, Jr.</u> Okay 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>143882000</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>147143000</u>	<u>Country Roads Properties, LLC</u> Patricia C. Lindgren, as Trustee under The Patricia C. Lindgren Living Trust Agreement dated March 5, 1998 TriEnergy Holdings, 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. Chief Exploration & Development LLC Radler 2000 Limited Partnership, et al. NPAR, LLC Chevron U.S.A. Inc.	89.56 ac	TriEnergy Holdings, LLC NPAR, LLC Chief Exploration & Development LLC Radler 2000 Limited Partnership  Chevron U.S.A. Inc.  Chevron U.S.A. 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 691/102 AB 23/74 AB 24/490 AB 25/1 AB 25/105 AB 26/130 DB 756/332 AB 47/1
<u>157807000</u>	<u>James J. Caveney and Karen B. Caveney, et al.</u> James J. Caveney and Karen Caveney TriEnergy, Inc. TriEnergy, Inc.	215.792 ac	TriEnergy, Inc. AB Resources LLC TriEnergy Holdings, LLC	"at least 1/8th per WV Code 22-6-8"	DB 663/497 AB 20/252 AB 21/148

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	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.		Chief Exploration & Development LLC Radler 2000 Limited Partnership		AB 24/319
			Chevron U.S.A. Inc.		AB 25/1
			Chevron U.S.A. Inc.		AB 25/105
			Chevron U.S.A. Inc.		AB 26/130
			Chevron U.S.A. Inc.		DB 756/397
			EQT Aurora LLC		AB 47/1
				"at least 1/8th per WV Code 22-6-8"	
<u>165050000</u>	<u>Golden Eagle Resources II, LLC, et al.</u> Timothy G. Geho and Catherine E. Geho, husband and wife Chevron U.S.A. Inc.	90.842 ac	Chevron U.S.A. Inc. EQT Aurora LLC		DB 815/176 AB 47/1
				"at least 1/8th per WV Code 22-6-8"	
<u>162170000</u>	<u>RM Coffield Family Trust, dated April 30, 2015, et al.</u> Robert W. Coffield and Mary M. Coffield, a/k/a Mary Margaret Coffield, his wife Chevron U.S.A. Inc.	18.631 ac	Chevron U.S.A. Inc. EQT Aurora LLC		DB 863/622 AB 47/1
				"at least 1/8th per WV Code 22-6-8"	
<u>146311016</u>	<u>Charles Richard Wilson, et al.</u> Charles Richard Wilson, a divorced man Chevron U.S.A. Inc.	25.78 ac	Chevron U.S.A. Inc. EQT Aurora LLC		DB 860/92 AB 47/1
				"at least 1/8th per WV Code 22-6-8"	
<u>157635000</u>	<u>Donald G. Rogerson, Jr., 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.	19.83 ac	Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Chevron U.S.A. Inc. Chevron U.S.A. Inc. EQT Aurora LLC		DB 676/15 AB 22/230 AB 30/427 AB 30/461 AB 47/1
				"at least 1/8th per WV Code 22-6-8"	
<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		DB 676/18 AB 21/565 AB 30/427 AB 30/461 AB 47/1
				"at least 1/8th per WV Code 22-6-8"	
<u>152614000</u>	<u>Richard P. Forshey</u> Richard P. Forshey, a married man dealing in his sole and separate property Chevron U.S.A. Inc.	214.608 ac	Chevron U.S.A. Inc. EQT Aurora LLC		DB 801/433 AB 47/1
				"at least 1/8th per WV Code 22-6-8"	
<u>275504001</u>	<u>Samuel J. Heater, et al.</u> Samuel J. Heater and Sandra Heater, his wife	98.23160 ac	EQT Production Company		DB 1209/609
				"at least 1/8th per WV Code 22-6-8"	
<u>220486016</u>	<u>Constance L. Owen, et al.</u> Constance Louise Owen, widow	134 ac	EQT Production Company		DB 1150/570

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WW-6A1 attachment

Operator's Well No.

Hines 14H Addendum

Lease No.	Grantor, Lessor, etc.	Acres	Grantee, Lessee, etc.	Royalty	Book/Page
<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

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EQT Production Company  
400 Woodcliff Drive | Canonsburg, PA 15317  
412-584-3132 | www.eqt.com

February 7, 2025

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

Re: Hines M14H 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.

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: 2/7/25

API No. 47- 051 - 02159  
 Operator's Well No. M14H  
 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: <u>West Virginia</u>	UTM NAD 83 Easting: <u>525708.256</u>
County: <u>Marshall</u>	UTM NAD 83 Northing: <u>4417400.512</u>
District: <u>Washington</u>	Public Road Access: <u>Campbell Hill Road/WV-38</u>
Quadrangle: <u>Moundsville, WV 7.5'</u>	Generally used farm name: <u>Hines</u>
Watershed: <u>Middle Grave Creek - Grave Creek</u>	

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

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**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.

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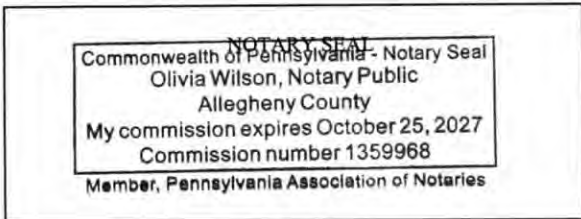
4705102159

**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 *[Signature]*  
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 1<sup>st</sup> day of February, 2025  
*[Signature]* 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).

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

4705102159

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

Date of Notice: 2/6/25 Date Permit Application Filed: 2/10/25

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: \_\_\_\_\_

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

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: \_\_\_\_\_

COAL OPERATOR

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

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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**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).

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**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

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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

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WV Department of  
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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.**

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**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.

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WW-6A  
(8-13)

API NO. 47- 051 - 02159  
OPERATOR WELL NO. M14H  
Well Pad Name: Hines

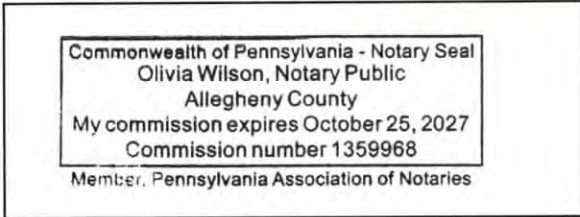
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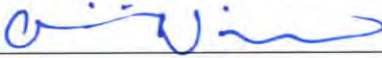
Notice is hereby given by:   
Well Operator: EQT CHAP LLC  
Telephone: 412-997-7940  
Email: Branden.Weimer@eqt.com

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

**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).



Subscribed and sworn before me this 7<sup>th</sup> day of February, 2025  
 Notary Public  
My Commission Expires Oct. 25, 2027

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Office of Oil and Gas

FEB 10 2025

WV Department of  
Environmental Protection

03/28/2025



**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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Environmental Protection

Topo Quad: Moundsville 7.5'

Scale: 1" = 1000'

47 05 10 21 59

County: Marshall

Date: January 31, 2025

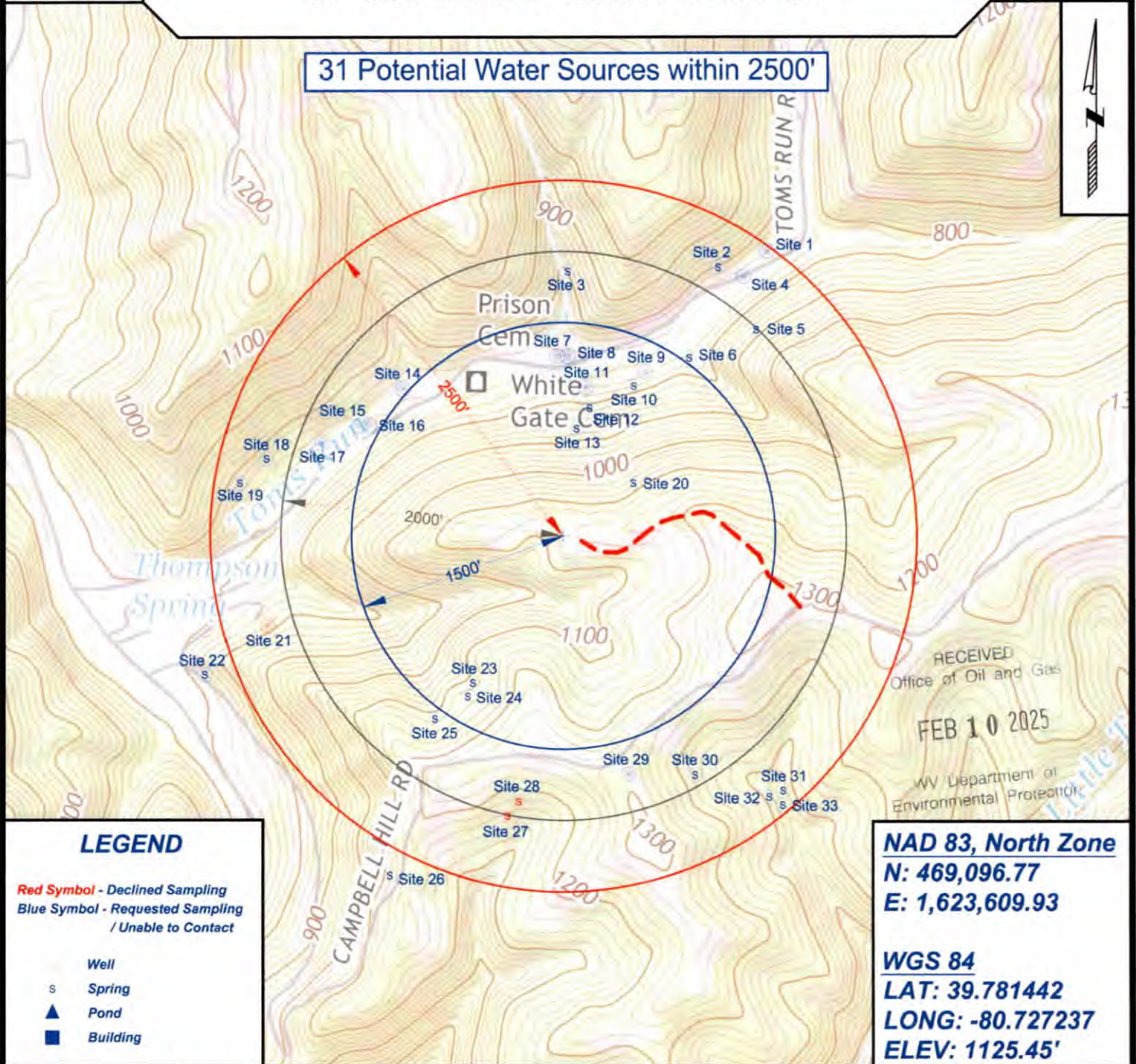
District: Washington

Project No: 17-44-W-22

Water

# 47-051-02159 Hines Well Pad

31 Potential Water Sources within 2500'



### LEGEND

Red Symbol - Declined Sampling  
 Blue Symbol - Requested Sampling / Unable to Contact

- Well
- Spring
- Pond
- Building

**NAD 83, North Zone**  
**N: 469,096.77**  
**E: 1,623,609.93**

**WGS 84**  
**LAT: 39.781442**  
**LONG: -80.727237**  
**ELEV: 1125.45'**



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

03/28/2025



4705102159

**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:** 2/10/25

**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: West Virginia      UTM NAD 83      Easting: 525708.464  
County: Marshall      Northing: 4417409.564  
District: Washington      Public Road Access: Campbell Hill Road/WV-38  
Quadrangle: Moundsville, WV 7.5'      Generally used farm name: Hines  
Watershed: Middle Grave Creek - Grave Creek

**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: 412-584-3132  
Email: nikolai.softcheck@eqt.com  
Facsimile: 412-239-1645

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

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Office of Oil and Gas

FEB 10 2025

**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).

03/28/2025



**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:** 2/6/25      **Date Permit Application Filed:** 2/10/25

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

- CERTIFIED MAIL**                                       **HAND**  
**RETURN RECEIPT REQUESTED**                                      **DELIVERY**

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 Hinterser  
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>West Virginia</u>	UTM NAD 83	Easting: <u>525708.256</u>
County: <u>Marshall</u>		Northing: <u>4417400.512</u>
District: <u>Washington</u>	Public Road Access: <u>Campbell Hill Road/WV-38</u>	
Quadrangle: <u>Moundsville, WV 7.5'</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: 412-239-1645  
Email: nikolai.softcheck@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).

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Office of  
FEB 10 2025

WV Dept. of Environmental Protection  
03/28/2025



4705102159

**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,

Lacy D. Pratt  
Central Office O&G Coordinator

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

4705102159

**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
	Bis(Hexamethylene Triamine Penta(Methylene Phosphonic Acid))(BHMT)	34690-00-1
Scale Control	Non-hazardous substances	Proprietary
	Ferriplex 66	
Acid Chelating Agent	Citric Acid	77-92-9
	Acetic Acid	64-19-7
	PLEXHIB 166	
Corrosion Inhibitor	Methanol	67-56-1
	Alcohols, C14-15, ethoxylated	68951-67-7

Office

FEB 16 2025

WV Department of Environmental Protection

03/28/2025



OPERATOR: EQT CHAP LLC

WELL NO: M14H

PAD NAME: Hines

REVIEWED BY: Branden Weimer

SIGNATURE: 

### WELL RESTRICTIONS CHECKLIST

#### HORIZONTAL 6A WELL

#### 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

Office of   
 **FEB 10 2025**  
 WV Department of   
 Environment and Conservation

03/28/2025



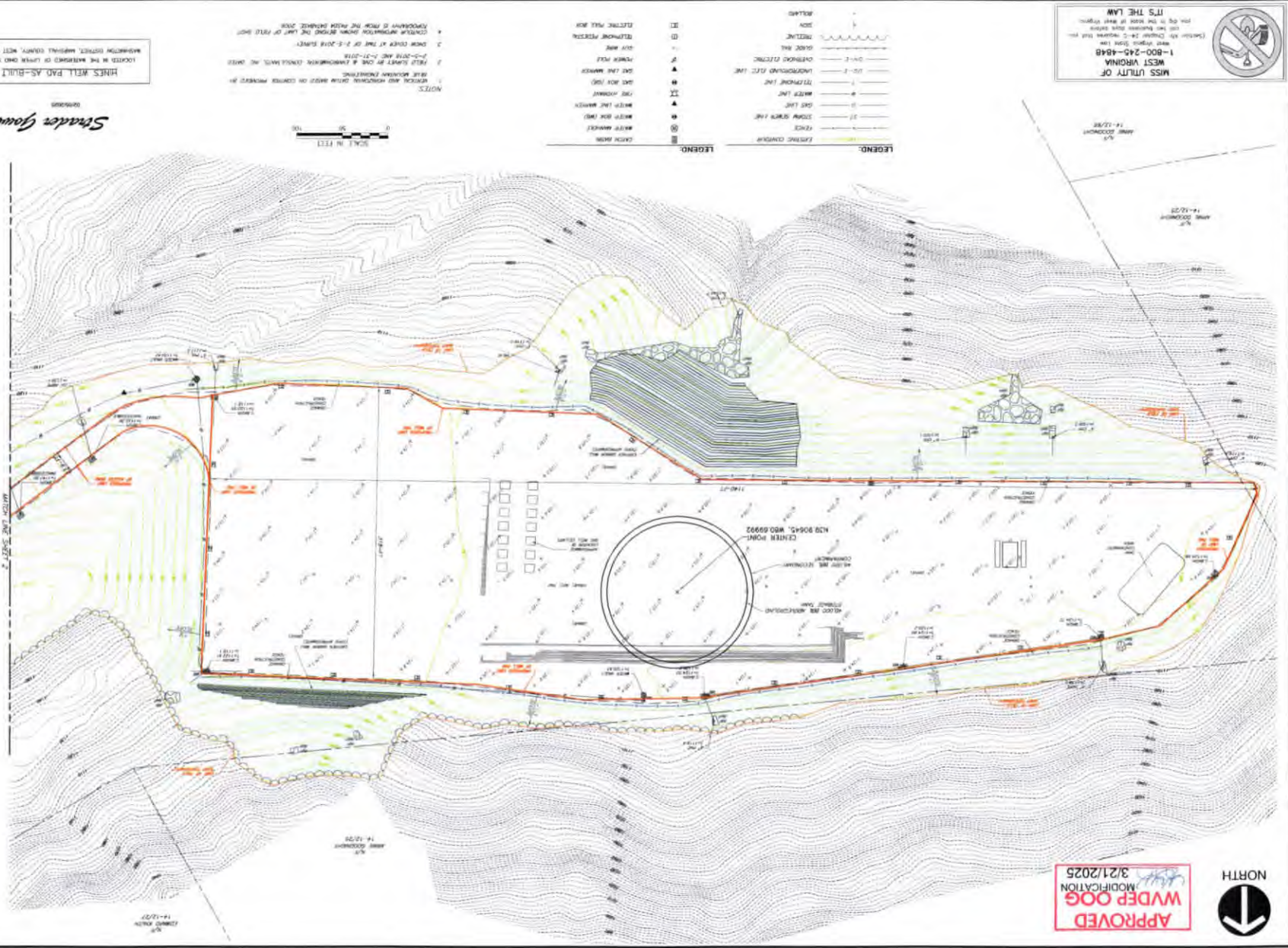


MISS ULTRY OF  
WEST VIRGINIA  
1-800-245-4343  
Section 19 Chapter 24-5 requires that you  
not be smoking while driving.  
You do not need a permit to smoke.

1" = 12.5'  
ANNE ARDREIGHT  
5/5



**APPROVED**  
WDEP OOG  
MODIFICATION  
3/21/2025



- LEGEND:**
- EXISTING CATCH BASIN
  - FENCES
  - STORM WATER LINE
  - SEWER LINE
  - WATER LINE
  - STORM WATER LINE
  - EXISTING ELECTRICAL
  - UNDERGROUND ELEC. LINE
  - CHANGED ELECTRICAL
  - GRADE MAIL
  - GRADE MAIL
  - POLE
  - BOLLARD

- LEGEND:**
- CATCH BASIN
  - WATER MANHOLE
  - WATER BOX (M&S)
  - WATER TAP MANHOLE
  - TRAP JOINT (M&S)
  - TRAP JOINT
  - MANHOLE
  - MANHOLE
  - TELEPHONE MANHOLE
  - ELECTRIC MANHOLE

SCALE IN FEET  
0 25 50

**NOTES:**

- EXISTING AND PROPOSED UTILITIES SHOWN ARE BASED ON CENTER POINTS AS SHOWN ON THIS PLAN.
- FIELD SURVEY BY DATE & LOCATION: (CONSULTANTS, INC. DATE: 2-15-2018 AND 2-21-2018)
- FIELD SURVEY BY DATE & LOCATION: (CONSULTANTS, INC. DATE: 2-15-2018 AND 2-21-2018)
- CONTOUR INTERVALS SHOWN BEYOND THE LIMIT OF FIELD SURVEY.
- CONTOUR INTERVALS TO BE USED AS SHOWN ON THIS PLAN.

HINES WELL PAD, AS-BUILT  
LOCATED IN THE MARKET OF LITTLE OHIO SOUTH  
WASHINGTON COUNTY, WEST VIRGINIA

*Stratler Spawer*

**ASB-1**  
Project Manager: JMM  
Checked By: JMM  
Drawing No: 2025  
Date Issued: 3-20-25  
Project Number: 184-050  
AS-BUILT SURVEY  
HINES WELL PAD  
WASHINGTON COUNTY, WEST VIRGINIA  
PREPARED FOR:  
**EOT CORPORATION**  
400 HODOLCUP DRIVE  
CHARLESTON, VA 25317

**REVISION RECORD**

Date	By	Reason
4-15-2018	GI	ADDED TOPOGRAHY
11-06-2018	GI	ADDED PAD EXPANSION TOPOGRAHY
02-05-2019	GI	ADDED ADVANCED STORMS TANK
06-11-2019	GI	
06-11-2019	GI	
06-11-2019	GI	
06-11-2019	GI	



**CEEP**  
Civil & Environmental Consultants, Inc.  
4000 Trumpet Lane, Suite 204 - Clark, PA 15812  
724-837-2200 800-890-2415  
www.ceepinc.com