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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, May 23, 2025  
WELL WORK PERMIT  
Horizontal 6A / Fracture

EQT CHAP LLC  
400 WOODCLIFF DR.

CANONSBURG, PA 15317

Re: Permit approval for HINES M09H FRACTURE  
47-051-01931-00-00

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

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

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

James A. Martin  
Chief

A handwritten signature in blue ink, appearing to read "James A. Martin", is written over a faint, larger blue signature.

Operator's Well Number: HINES M09H  
Farm Name: DONALD HINES ET UX  
U.S. WELL NUMBER: 47-051-01931-00-00  
Horizontal 6A Fracture  
Date Issued: 5/23/2025

# 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.

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## 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.

05/23/2025

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

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

2) Operator's Well Number: M09H 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: 6,452' - Well Drilled - See Attached WR-35

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 17,444' - Well Drilled - See Attached WR-35

11) Proposed Horizontal Leg Length: 8,992' - Well Drilled - See Attached WR-35

12) Approximate Fresh Water Strata Depths: 365'

13) Method to Determine Fresh Water Depths: Well Drilled - See Attached WR-35

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

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

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

17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes ☒ No ☐

(a) If Yes, provide Mine Info: Name: Ireland Mine  
Depth: 655'  
Seam: Pittsburgh  
Owner: Marshall County Coal Resources, Inc.

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*Strader Gower*  
4/21/2025



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	218.82	45'	45'	N/A
Fresh Water	13 3/8	New	J-55	54.5	397'	397'	412/320
Coal							
Intermediate	9 5/8	New	L-80	40	1,987'	1,987'	746
Production	5 1/2	New	P-110	20	17,361'	17,361'	876/2554
Tubing							
Liners							

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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	0.312	1000	18		
Fresh Water	13 3/8	17 1/2	0.380	2730	1911	Class A	1.19
Coal							
Intermediate	9 5/8	12 3/8	0.395	5750	2768	Class A	1.19
Production	5 1/2	8 1/2	0.361	14360	11488	Class H/H	1.04 - 2.10
Tubing							
Liners							

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**PACKERS**

Kind:				
Sizes:				
Depths Set:				

*Strader Gower*  
4/21/2025



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

Complete a horizontal well in the Marcellus Formation previously drilled by Chevron Appalachia

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:

Completed by Chevron:

- Surface: On Shoe Track and every 500' to surface
- Intermediate: On Shoe Track and every 500' to surface
- Production: On Shoe Track and every joint to TOC

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

The cement was set by Chevron. For the water string the blend contains class A cement, 3% CaCl<sub>2</sub>, and flake. The intermediate contains class H cement, 3% CaCl<sub>2</sub>, salt, and flake. The production cement contains a lead and tail cement. The lead contains class H cement, KCl, dispersant, suspension agent, and retarded. The tail contains class A cement, calcium carbonate, KCl, dispersant, de-foamer, suspension agent, and friction reducer.

25) Proposed borehole conditioning procedures:

N/A - this well has been drilled and cased.

\*Note: Attach additional sheets as needed.

**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 Glen Easton

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

Will a pit be used? Yes ☐ No ☒

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

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

Proposed Disposal Method For Treated Pit Wastes:

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

Will closed loop system be used? If so, describe: N/A - Well Drilled

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. N/A - Well Drilled

-If oil based, what type? Synthetic, petroleum, etc. N/A - Well Drilled

Additives to be used in drilling medium? N/A - Well Drilled

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. N/A - Well Drilled

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

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

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

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

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

Company Official Signature 

Company Official (Typed Name) Branden Weimer

Company Official Title Regional Manager - Permitting

Subscribed and sworn before me this 22nd day of April, 20 25

 Notary Public

My commission expires Oct. 25, 2027

Commonwealth of Pennsylvania - Notary Seal  
Olivia Wilson, Notary Public  
Allegheny County  
My commission expires October 25, 2027  
Commission number 1359968  
05/23/2025

Member, Pennsylvania Association of Notaries



**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

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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

*Strader Gower*  
4/18/2025

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EQT CHAP LLC

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

Lime 3 Tons/acre or to correct to pH 6.5Fertilizer type Granular 10-20-20Fertilizer amount 500 lbs/acreMulch 2 Tons/acreSeed MixturesTemporaryPermanent

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

Seed Type	lbs/acre
Orchard Grass	15
Alsike Clover	5

## Attach:

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

Photocopied section of involved 7.5' topographic sheet.

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Plan Approved by: \_\_\_\_\_

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: \_\_\_\_\_ Date: \_\_\_\_\_

Field Reviewed? ( ☒ ) Yes ( ☐ ) No

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Topo Quad: Moundsville

Scale: 1" = 1000'

County: Marshall

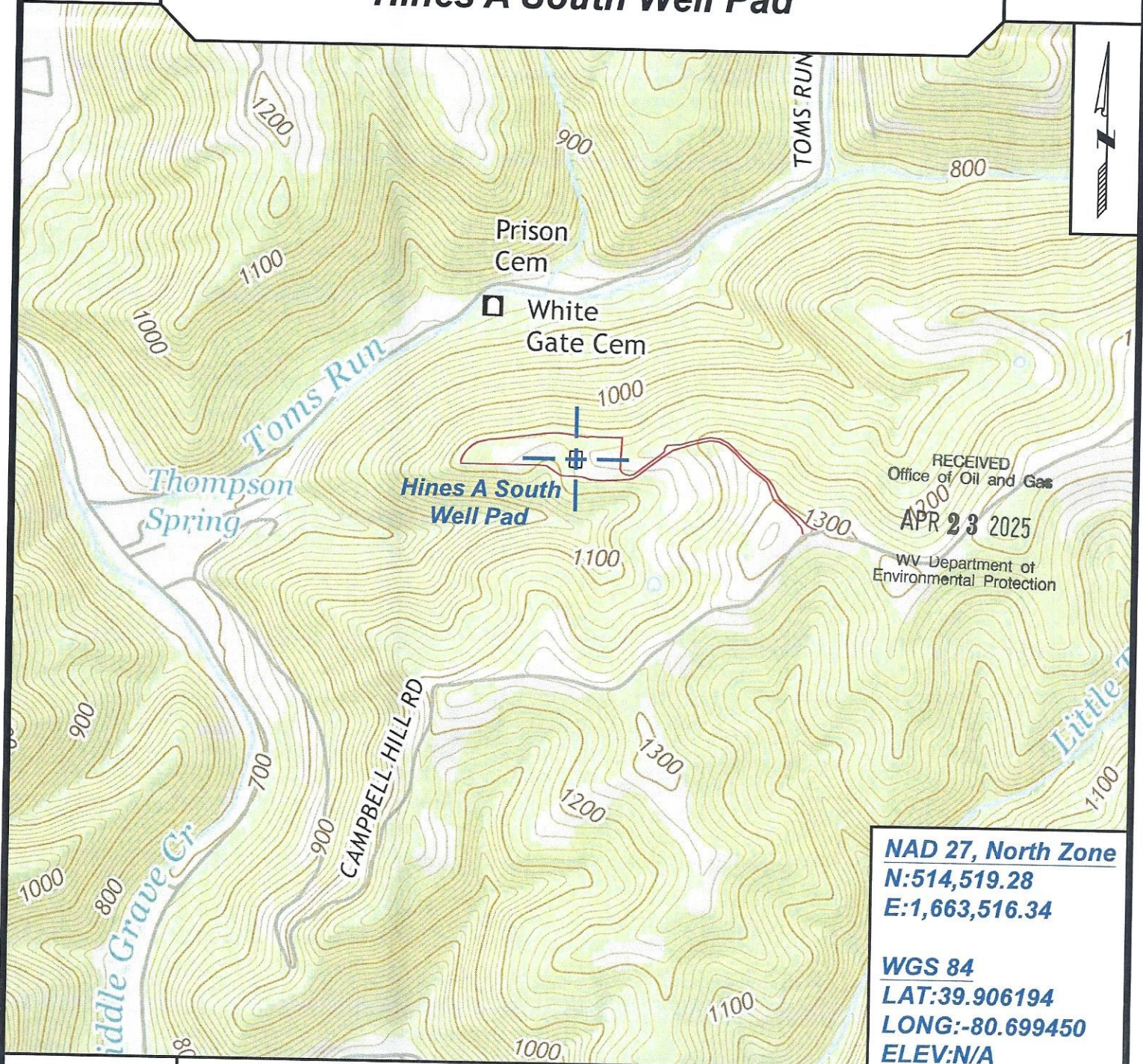
Date: December 4, 2024

District: Washington

Project No: 17-44-W-22

Topo

## Hines A South Well Pad



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

*Strader Goober*  
4/18/2025

**05/23/2025**



DESIGNATED AGENT: Joseph C. Mallow  
ADDRESS: 427 Midstate Drive  
Clarksburg, WV 26301



Hines M09H  
Hines South  
EQT Production Company

AS DRILLED PLAT

Tract I.D.	Tax/Map No.	Parcel No.	County	District	Surface Tract Owner	Acres
1	12	30	Marshall	Washington	Shelby Wood Hinterer	94.658
2	12	30.3	Marshall	Washington	Terry L. Derrow, et ux.	1.135
3	12	31	Marshall	Washington	Patricia S. Hoskins	68.342
4	12	31.1	Marshall	Washington	Howard L. & Sylvia L. Henry	4.158
5	11	16	Marshall	Washington	Paul E. & Brent L. Shipley	40.726
6	11	16.3	Marshall	Washington	Brent L. & Lori L. Shipley	2.211
7	11	16.2	Marshall	Washington	Jody L. & Eric M. Wade	0.643
8	11	1	Marshall	Washington	Okey L. Rine, Jr.	87.577
9	11	1.1	Marshall	Washington	Steven M. Lavenski	0.489
10	11	2.1	Marshall	Washington	Francis D. Turner, et ux.	0.358
11	11	16.1	Marshall	Washington	Carl A. Cochran, et ux.	1.197
12	11	2	Marshall	Washington	Francis D. Turner, et ux.	34.685
13	11	14	Marshall	Washington	Country Roads Properties LLC	84.543
14	11	14.1	Marshall	Washington	Beano Garbark	5.017
15	11	13.1	Marshall	Washington	Quay A. Horner, et ux.	0.505
16	11	13.2	Marshall	Washington	Colleen McClain	0.434
17	11	13	Marshall	Washington	Colleen McClain	86.78
18	13	8	Marshall	Washington	James J. Caveney, et ux.	88.157
19	11	12	Marshall	Washington	WMK Heath & John D. Ests, et al.	4
20	11	11	Marshall	Washington	Lisa Fonner & Jesse Pennington	51.655
21	11	11.2	Marshall	Washington	Chad E. Francis	6.449
22	11	11.1	Marshall	Washington	Kathleen I. Francis	0.436
23	11	11.4	Marshall	Washington	Daryl A. Crow	1.82
24	11	11.3	Marshall	Washington	Dennis W. & Donna Crow	39.64
25	13	11	Marshall	Washington	Dennis W. & Donna Crow	37.694
26	13	13.1	Marshall	Washington	David Lee Beveridge, et ux.	1.275
27	13	13	Marshall	Washington	David Lee Beveridge	71.259

As-Drilled Well Information:  
Hines M09H coordinates are  
NAD 27 N: 514,384.300 E: 1,663,520.03  
NAD 83 UTM N: 4,417,386.81 E: 525,707.91  
Hines M09H Landing Point coordinates are  
NAD 27 N: 514,624.55 E: 1,667,372.22  
NAD 83 UTM N: 4,417,479.64 E: 526,880.30  
Hines M09H Bottom Hole coordinates are  
NAD 27 N: 506,513.44 E: 1,671,172.34  
NAD 83 UTM N: 4,415,027.95 E: 528,079.33  
West Virginia Coordinate system of 1927 (North Zone)  
based upon Differential GPS Measurements.  
Plat orientation, corner and well ties are based upon  
the grid north meridian.  
Well location references are based upon the grid north  
meridian.  
UTM coordinates are NAD83, Zone 17, Meters.

LESSOR	DIST-TM/PAR
A Donald Hines, et ux.	14-12/30
B Patricia S. Hoskins	14-12/31
C Okey L. Rine, Jr.	14-11/1
D Carl A. Cochran, et ux.	14-11/16.1
E Francis Turner, et ux.	14-11/2
F Patricia C. Lindgren	14-11/14
G Patricia C. Lindgren	14-11/14.1
H Ellen I. Heath	14-11/13
Colleen McClain Moore	
K Ellen I. Heath, et al.	14-11/12
L Ellen I. Heath	14-11/11
Colleen McClain Moore	
M Dennis W. Crow, et ux.	14-11/11.3
N Dennis W. Crow, et ux.	14-11/11
P Barbara Beveridge	14-13/13
David L. Beveridge, et ux.	

05/23/2025

**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				

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

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

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

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

Well Operator: EQT CHAP LLC

By: Branden Weimer

Its: Regional Manager - Permitting



<u>Plat I.D.</u>	<u>Lessor</u>	<u>Lessee</u>	<u>Royalty</u>	<u>Book/Page</u>	<u>Assignment #1</u>	<u>Assignment #2</u>	<u>Assignment #3</u>	<u>Assignment #4</u>
<b>A</b> 14-0012-0030-0000-0000	HINES DONALD ET UX	CHEVRON U.S.A. INC.	"at least 1/8th per WV Code 22-6-8"	774/290	N/A	N/A	N/A	AB 47/1 CHEVRON U.S.A. INC. TO EQT AURORA LLC
<b>B</b> 14-0012-0031-0000-0000	HOSKINS PATRICIA S	CHEVRON U.S.A. INC.	"at least 1/8th per WV Code 22-6-8"	655/564	N/A	N/A	N/A	AB 47/1 CHEVRON U.S.A. INC. TO EQT AURORA LLC
<b>C</b> 14-0011-0001-0000-0000	RINE OKEY L JR	CHEVRON U.S.A. INC.	"at least 1/8th per WV Code 22-6-8"	807/165	N/A	N/A	N/A	AB 47/1 CHEVRON U.S.A. INC. TO EQT AURORA LLC
<b>D</b> 14-0011-0016-0001-0000	COCHRAN CARL A ET UX	CHEVRON U.S.A. INC.	"at least 1/8th per WV Code 22-6-8"	815/130	N/A	N/A	N/A	AB 47/1 CHEVRON U.S.A. INC. TO EQT AURORA LLC
<b>E</b> 14-0011-0002-0000-0000	TURNER FRANCIS ET UX	TRIENERGY, INC.	"at least 1/8th per WV Code 22-6-8"	677/471	AB 21/531 TRIENERGY, INC. TO AB RESOURCES LLC	AB 24/466 AB RESOURCES LLC TO CHIEF EXPLORATION & DEVELOPMENT LLC	AB 25/1 CHIEF EXPLORATION & DEVELOPMENT, LLC TO CHEVRON U.S.A INC.	AB 47/1 CHEVRON U.S.A. INC. TO EQT AURORA LLC
<b>F</b> 14-0011-0014-0000-0000	LINDGREN PATRICIA C	TRIENERGY, INC.	"at least 1/8th per WV Code 22-6-8"	691/102	AB 23/74 TRIENERGY, INC. TO NPAR, LLC	AB 24/490 NPAR, LLC TO CHIEF EXPLORATION & DEVELOPMENT, LLC	AB 25/1 CHIEF EXPLORATION & DEVELOPMENT, LLC TO CHEVRON U.S.A INC.	AB 47/1 CHEVRON U.S.A. INC. TO EQT AURORA LLC
<b>G</b> 14-0011-0014-0001-0000	LINDGREN PATRICIA C	TRIENERGY, INC.	"at least 1/8th per WV Code 22-6-8"	691/102	AB 23/74 TRIENERGY, INC. TO NPAR, LLC	AB 24/490 NPAR, LLC TO CHIEF EXPLORATION & DEVELOPMENT, LLC	AB 25/1 CHIEF EXPLORATION & DEVELOPMENT, LLC TO CHEVRON U.S.A INC.	AB 47/1 CHEVRON U.S.A. INC. TO EQT AURORA LLC
<b>H</b> 14-0011-0013-0000-0000	HEATH ELLEN I	NPAR, LLC	"at least 1/8th per WV Code 22-6-8"	701/142	AB 24/466 NPAR, LLC TO CHIEF EXPLORATION & DEVELOPMENT, LLC / RADLER 2000	AB 25/1 CHIEF EXPLORATION & DEVELOPMENT, LLC TO CHEVRON U.S.A INC.	DB 756/332 NPAR, LLC TO CHEVRON U.S.A. INC.	AB 47/1 CHEVRON U.S.A. INC. TO EQT AURORA LLC
	MOORE COLLEEN MCLAIN	NPAR, LLC	"at least 1/8th per WV Code 22-6-8"	701/140	AB 24/466 NPAR, LLC TO CHIEF EXPLORATION & DEVELOPMENT, LLC / RADLER 2000	AB 26/130 CHIEF EXPLORATION & DEVELOPMENT, LLC TO CHEVRON U.S.A INC.	DB 756/332 NPAR, LLC TO CHEVRON U.S.A. INC.	AB 47/1 CHEVRON U.S.A. INC. TO EQT AURORA LLC
<b>K</b> 14-0011-0012-0000-0000	HEATH ELLEN I ET AL	CHEVRON U.S.A. INC.	"at least 1/8th per WV Code 22-6-8"	811/396	N/A	N/A	N/A	AB 47/1 CHEVRON U.S.A. INC. TO EQT AURORA LLC
<b>L</b> 14-0011-0011-0000-0000	HEATH ELLEN I	NPAR, LLC	"at least 1/8th per WV Code 22-6-8"	701/142	AB 24/466 NPAR, LLC TO CHIEF EXPLORATION & DEVELOPMENT, LLC / RADLER 2000	AB 25/1 CHIEF EXPLORATION & DEVELOPMENT, LLC TO CHEVRON U.S.A INC.	DB 756/332 NPAR, LLC TO CHEVRON U.S.A. INC.	AB 47/1 CHEVRON U.S.A. INC. TO EQT AURORA LLC
	MOORE COLLEEN MCLAIN	NPAR, LLC	"at least 1/8th per WV Code 22-6-8"	701/140	AB 24/466 NPAR, LLC TO CHIEF EXPLORATION & DEVELOPMENT, LLC / RADLER 2000	AB 26/130 CHIEF EXPLORATION & DEVELOPMENT, LLC TO CHEVRON U.S.A INC.	DB 756/332 NPAR, LLC TO CHEVRON U.S.A. INC.	AB 47/1 CHEVRON U.S.A. INC. TO EQT AURORA LLC
<b>M</b> 14-0011-0011-0003-0000	CROW DENNIS W ET UX	CHEVRON U.S.A. INC.	"at least 1/8th per WV Code 22-6-8"	853/249	N/A	N/A	N/A	AB 47/1 CHEVRON U.S.A. INC. TO EQT AURORA LLC
<b>N</b> 14-0011-0011-0000-0000	CROW DENNIS W ET UX	CHEVRON U.S.A. INC.	"at least 1/8th per WV Code 22-6-8"	853/249	N/A	N/A	N/A	AB 47/1 CHEVRON U.S.A. INC. TO EQT AURORA LLC
<b>P</b> 14-0013-0013-0000-0000	BEVERIDGE BARBARA	TRIENERGY, INC.	"at least 1/8th per WV Code 22-6-8"	658/631 & 748/192	AB 19/623 TRIENERGY, INC. TO AB RESOURCES LLC	AB 24/319 AB RESOURCES LLC TO CHIEF EXPLORATION & DEVELOPMENT, LLC	AB 25/105 CHIEF EXPLORATION & DEVELOPMENT, LLC TO CHEVRON U.S.A. INC.	AB 47/1 CHEVRON U.S.A. INC. TO EQT AURORA LLC
	BEVERIDGE DAVID L ET UX	CHEVRON U.S.A. INC.	"at least 1/8th per WV Code 22-6-8"	844/483	N/A	N/A	N/A	AB 47/1 CHEVRON U.S.A. INC. TO EQT AURORA LLC

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

April 22, 2025

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

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

Dear Mr. Brewer,

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

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

Sincerely,

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

Nikolai Softcheck  
Permitting Specialist III

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**Horizontal Natural Gas Well Work Permit  
Application Notice By Publication**

**Notice is hereby given:**

Pursuant to West Virginia Code 22-6A-10(e) prior to filing an application for a permit for a horizontal well the applicant shall publish in the county in which the well is located or is proposed to be located a Class II legal advertisement.

**Paper:** Moundsville Echo

**Public Notice Date:** 12/5/2024 and 12/12/2024

The following applicant intends to apply for a horizontal natural well work permit which disturbs three acres or more of surface excluding pipelines, gathering lines and roads or utilizes more than two hundred ten thousand gallons of water in any thirty day period.

**Applicant:** EQT CHAP LLC

**Well Number:** Hines M09H

**Address:** 400 Woodcliff Drive

Canonsburg, PA 15317

**Business Conducted:** Natural gas production.

**Location –**

State: West Virginia

County: Marshall

District: Washington

Quadrangle: Moundsville, WV 7.5'

UTM Coordinate NAD83 Northing: 4417386.809

UTM coordinate NAD83 Easting: 525707.908

Watershed: Middle Grave Creek - Grave Creek

**Coordinate Conversion:**

To convert the coordinates above into longitude and latitude, visit: <http://tagis.dep.wv.gov/convert/llutm>

**Electronic notification:**

To receive an email when applications have been received or issued by the Office of Oil and Gas, visit <http://www.dep.wv.gov/insidedep/Pages/DEPMailingLists.aspx> to sign up.

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**Reviewing Applications:**

Copies of the proposed permit application may be reviewed at the WV Department of Environmental Protection headquarters, located at 601 57<sup>th</sup> Street, SE Charleston, WV 25304 (304-926-0450). Full copies or scans of the proposed permit application will cost \$15, whether mailed or obtained at DEP headquarters. Copies may be requested by calling the office or by sending an email to [DEP.comments@wv.gov](mailto:DEP.comments@wv.gov).

**Submitting Comments:**

Comments may be submitted online at <https://apps.dep.wv.gov/oog/comments/comments.cfm>, or by letter to Permit Review, Office of Oil and Gas, 601 57<sup>th</sup> Street, SE Charleston, WV 25304. Please reference the county, well number, and operator when using this option.

Regardless of format for comment submissions, they must be received no later than thirty days after the permit application is received by the Office of Oil and Gas.

For information related to horizontal drilling visit: [www.dep.wv.gov/oil-and-gas/pages/default.aspx](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx)

05/23/2025



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

Date of Notice Certification: 4/22/25

API No. 47- 051 - 01931

Operator's Well No. M09H

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: West Virginia  
County: Marshall  
District: Washington  
Quadrangle: Moundsville, WV 7.5'  
Watershed: Middle Grave Creek - Grave Creek

UTM NAD 83 Easting: 525707.908  
Northing: 4417386.809  
Public Road Access: Campbell Hill Road/WV-38  
Generally used farm name: Hines

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

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

\*PLEASE CHECK ALL THAT APPLY

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

**OOG OFFICE USE ONLY**

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

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APR 23 2025

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**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.

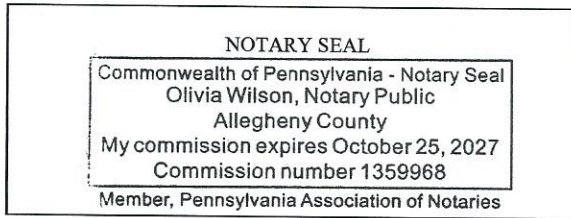
05/23/2025

**Certification of Notice is hereby given:**

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

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

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



Subscribed and sworn before me this 22<sup>nd</sup> day of April, 2025  
Olivia Wilson 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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05/23/2025



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

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

**Date of Notice:** 4/17/25 **Date Permit Application Filed:** 4/22/25

**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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05/23/2025



**Notice is hereby given:**

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

**This Notice Shall Include:**

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

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

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

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

Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental and Gas 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

05/23/2025



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

#### **Water Well Testing:**

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

#### **Water Testing Laboratories:**

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

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

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

#### **Written Comment:**

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

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

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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 - 01931  
OPERATOR WELL NO. M09H  
Well Pad Name: Hines

**Notice is hereby given by:**

Well Operator: EQT CHAP LLC

Telephone: 412-997-7940

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

Address: 400 Woodcliff Drive

Canonsburg, PA 15317

Facsimile: 412-395-2974

**Oil and Gas Privacy Notice:**

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

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

Subscribed and sworn before me this 22nd day of April, 2025.

*Olivia Wilson*

Notary Public

My Commission Expires Oct. 25, 2027

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**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:** 04/22/2025

**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: \_\_\_\_\_

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APR 23 2025

**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  
County: Marshall  
District: Washington  
Quadrangle: Moundsville, WV 7.5'  
Watershed: Middle Grave Creek - Grave Creek

UTM NAD 83      Easting: 525707.908  
   Northing: 4417386.809  
Public Road Access: Campbell Hill Road/WV-38  
Generally used farm name: Hines

**This Notice Shall Include:**

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

**Notice is hereby given by:**

Well Operator: EQT CHAP LLC  
Address: 400 Woodcliff Drive  
Canonsburg, PA 15317  
Telephone: 412-584-3132  
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

**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 PLANNED OPERATION**

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

**Date of Notice:** 04/17/2025

**Date Permit Application Filed:** 04/22/2025

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

☒ **CERTIFIED MAIL**

**RETURN RECEIPT REQUESTED**

☐ **HAND**

**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 HINTER

Address: 14646 WV Rt 18 S

New Milton, WV 26411

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

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

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Environmental Protection

**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: West Virginia

County: Marshall

District: Washington

Quadrangle: Moundsville, WV 7.5'

Watershed: Middle Grave Creek - Grave Creek

UTM NAD 83

Easting: 525707.908

Northing: 4417386.809

Public Road Access: \_\_\_\_\_

Generally used farm name: \_\_\_\_\_

Campbell Hill Road/WV-38

Hines

**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).

05/23/2025



**WEST VIRGINIA  
DEPARTMENT OF TRANSPORTATION**

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

Michael J. DeMers  
Deputy Secretary of Transportation

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

March 5, 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 M06H Well Site Hines M07H Well Site Hines M08H Well Site  
Hines M09H Well Site Hines M10H 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

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

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**Anticipated Frac Additives**  
**Chemical Names and CAS Numbers**

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

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OPERATOR: EQT CHAP LLC

WELL NO: M09H

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

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

API 47-051-01931 County Marshall District Washington  
Quad Moundsville Pad Name Hines Field/Pool Name N/A  
Farm name Donald Hines et UX Well Number Hines M09H  
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 4,417,386.81 Easting 525,707.91  
Landing Point of Curve Northing 4,417,479.64 Easting 526,880.30  
Bottom Hole Northing 4,415,027.95 Easting 528,079.33

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)

Synthetic Oil Based Mud 12.6 ppg barium sulfate, sodium chloride, xanthan gum, polyanionic cellulose, modified starch, sodium hydroxide, phosphonates and alkyl phosphates, glutaraldehyde, sodium calcium hydroxide, partially hydrolyzed polyacrylamide/polyacrylate, potassium chloride, sodium carbonate, ground walnut shells, alcohol and modified fatty acid, ferrochrome lignosulfonate, calcium carbonate, fibrous cellulose

Date permit issued 08/15/2017 Date drilling commenced 12/14/2017 Date drilling ceased 06/10/2018  
Date completion activities began \_\_\_\_\_ Date completion activities ceased \_\_\_\_\_  
Verbal plugging (Y/N) N Date permission granted N/A Granted by N/A

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

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

Reviewed by:

05/23/2025

API 47-051 - 01931

Farm name Donald Hines et UX

Well number Hines M09H

CASING STRINGS	Hole Size	Casing Size	Depth (GL)	New or Used	Grade wt/ft	Basket Depth(s) (GL)	Did cement circulate (Y/N) * Provide details below*
Conductor	30"	20"	45'	NEW	X-52 218.82#	N/A	Y
Surface	17-1/2"	13-3/8"	397'	NEW	J-55 54.5#	N/A	Y
Coal							
Intermediate 1	12-3/8"	9-5/8"	1987'	NEW	L-80 40#	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-1/2"	5-1/2"	17,361'	NEW	P-110 20#	N/A	N
Tubing							
Packer type and depth set							

Comment Details Production Cement job has a calculated TOC of 1686' GL, which is greater than 500' TVD above the producing formation. No issues during cement job.

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft <sup>3</sup> /sks)	Volume (ft <sup>3</sup> )	Cement Top (GL)	WOC (hrs)
Conductor	CLASS A	N/A	N/A	N/A	N/A	0	8+
Surface	CLASS A / Grout CLASS A	344/267	15.6/15.6	1.20/1.20	412/320	0	8
Coal							
Intermediate 1	CLASS A	627	15.6	1.19	746	0	8
Intermediate 2							
Intermediate 3							
Production	CLASS H/CLASS H	776/2221	14.7/15.2	1.13/1.15	876/2554	1686	8+
Tubing							

Drillers TD (ft) 17,419'

Loggers TD (ft) N/A

Deepest formation penetrated MARCELLUS

Plug back to (ft) N/A

Plug back procedure

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Kick off depth (ft) 2824'

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Check all wireline logs run

☐ caliper

☐ density

☒ deviated/directional

☐ induction

☐ neutron

☐ resistivity

☒ gamma ray

☐ temperature

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☐ 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

PRODUCTION: ON SHOE TRACK AND EVERY JOINT TO ABOVE TOC

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

05/23/2025



API 47- 051 - 01931

Farm name Donald Hines et UX

Well number Hines M09H

## PERFORATION RECORD

[illegible]

Please insert additional pages as applicable.

### STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

[illegible]

Please insert additional pages as applicable.

05/23/2025





API 47- 051 - 01931 Farm name Donald Hines et UX Well number Hines M09H

Drilling Contractor Precision Drilling  
Address 10350 Richmond Ave. Suite 700 City Houston State TX Zip 77042

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

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

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

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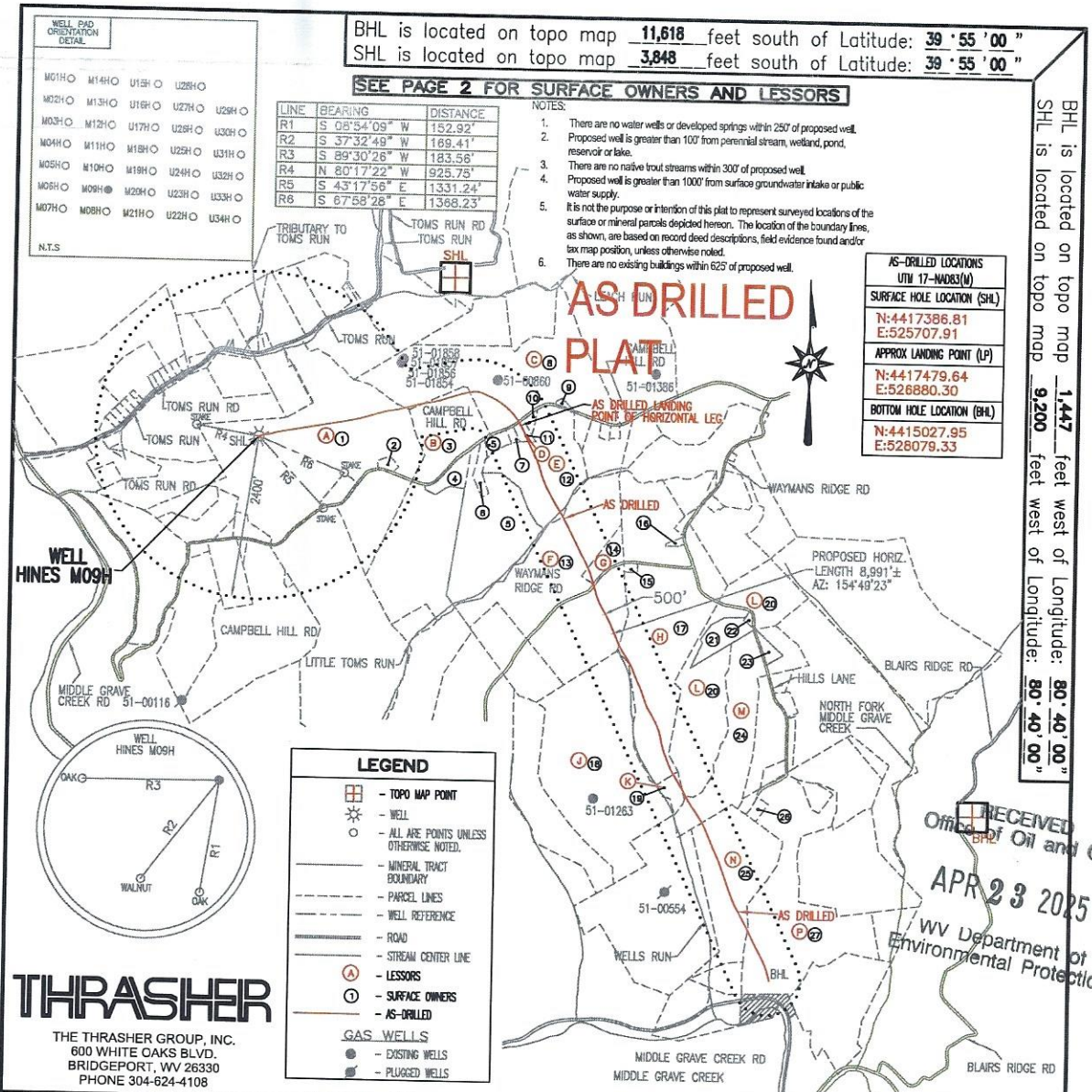
05/23/2025

Well # Hines M09H Final Formations API# 47-051-01931				
Formation Name	Drill Top MD (ftGRD)	Drill Top (TVD) (ftGRD)	Drill Btm MD (ftGRD)	Drill Btm (TVD) (ftGRD)
Sand/Shale	1	1	365	365
Waynesburg Coal	365	365	368	368
Sand/Shale	368	368	655	655
Pittsburgh Coal	655	655	661	661
Sand/Shale	661	661	1,595	1,595
Big Lime	1,595	1,595	1,657	1,657
Sand/Shale	1,657	1,657	1,831	1,831
Burgoon	1,831	1,831	1,984	1,984
Sand/Shale	1,984	1,984	2,198	2,197
Berea	2,198	2,197	2,219	2,218
Sand/Shale	2,219	2,218	2,455	2,454
Gordon	2,455	2,454	2,530	2,529
Sand/Shale	2,530	2,529	4,977	4,420
Elk	4,977	4,420	4,978	4,421
Sand/Shale	4,978	4,421	5,638	4,857
Rhinestreet	5,638	4,857	7,485	5,975
Sonyea	7,485	5,975	7,628	6,061
Middlesex	7,628	6,061	7,686	6,092
Genesee	7,686	6,092	7,766	6,132
Geneseo	7,766	6,132	7,818	6,158
Tully	7,818	6,158	7,890	6,192
Hamilton	7,890	6,192	8,127	6,276
Marcellus	8,127	6,276	17,419	6,427

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FILE #: HINES M09H - AS DRILLED  
DRAWING #: HINES M09H - AS DRILLED  
SCALE: 1" = 2000'  
MINIMUM DEGREE OF ACCURACY: 1/2500  
PROVEN SOURCE OF ELEVATION: U.S.G.S. MONUMENT THOMAS 1498.81'

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

Signed: *Joseph H. Lowther*  
R.P.E.: \_\_\_\_\_ L.L.S.: P.S. No. 2346

DATE: NOVEMBER 10, 2021  
OPERATOR'S WELL #: HINES M09H AS DRILLED  
API WELL #: 47 51 01931  
STATE COUNTY PERMIT

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

WATERSHED: MIDDLE GRAVE CREEK-GRAVE CREEK ELEVATION: 1125.45'  
COUNTY/DISTRICT: MARSHALL / WASHINGTON QUADRANGLE: MOUNDSVILLE, WV 7.5'  
SURFACE OWNER: DONALD HINES ET UX ACREAGE: 114.934±  
OIL & GAS ROYALTY OWNER: DONALD HINES ET UX ACREAGE: 768.473±  
DRILL ☒ CONVERT ☐ DRILL DEEPER ☐ REDRILL ☐ FRACTURE OR STIMULATE ☒ PLUG OFF OLD FORMATION ☐  
PERFORATE NEW FORMATION ☐ PLUG & ABANDON ☐ CLEAN OUT & REPLUG ☐ OTHER CHANGE ☐  
(SPECIFY): AS-DRILLED PLAT  
TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TVD: 6,452'± TMD: 17,444'±  
WELL OPERATOR CHEVRON APPALACHIA, LLC DESIGNATED AGENT JOSEPH C. MALLOW  
Address 700 CHERRINGTON PARKWAY Address 115 PROFESSIONAL PLACE, PO BOX 280  
City CORAOPOLIS State PA Zip Code 15108 City BRIDGEPORT State WV Zip Code 26330

05/23/2025

# HINES M09H PAGE 2 OF 2 AS DRILLED

	LESSOR	DIST-TM/PAR
A	DONALD HINES ET UX	14-12/30
B	PATRICIA S. HOSKINS	14-12/31
C	OKEY L. RINE JR.	14-11/1
D	CARL A. COCHRAN ET UX	14-11/16.1
E	FRANCIS TURNER ET UX	14-11/2
F	PATRICIA C. LINDGREN	14-11/14
G	PATRICIA C. LINDGREN	14-11/14.1
H	ELLEN I. HEATH	14-11/13
	COLLEEN MCCLAIN MOORE	
J	JAMES J. CAVENEY ET UX	14-13/8
K	ELLEN I. HEATH ET AL	14-11/12
L	ELLEN I. HEATH	14-11/11
	COLLEEN MCCLAIN MOORE	
M	DENNIS W. CROW ET UX	14-11/11.3
N	DENNIS W. CROW ET UX	14-13/11
P	BARBARA BEVERIDGE	14-13/13
	DAVID L. BEVERIDGE ET UX	

	SURFACE OWNER	DIST-TM/PAR
1	DONALD HINES ET UX	14-12/30
2	TERRY L. DERROW ET UX	14-12/30.3
3	PATRICIA SUE HOSKINS	14-12/31
4	EARNEST L. ROBERTS ET UX	14-12/31.1
5	PAUL E. & BRENT L. SHIPLEY	14-11/16
6	BRENT L. & LORI L. SHIPLEY	14-11/16.3
7	JODY L. & ERIC M. WADE	14-11/16.2
8	OKEY L. RINE JR.	14-11/1
9	STEVEN M. LAVENSKI	14-11/1.1
10	FRANCIS D. TURNER ET UX	14-11/2.1
11	CARL A. COCHRAN ET UX	14-11/16.1
12	D. FRANCIS TURNER ET UX	14-11/2
13	COUNTRY ROADS PROPERTIES LLC	14-11/14
14	DONALD A. & PATTIANNE PARSONS	14-11/14.1
15	QUAY A. HORNER, ET UX	14-11/13.1
16	COLLEEN MCCLAIN	14-11/13.2
17	JOHN D. & WM K. HEATH ESTS	14-11/13
18	JAMES J. CAVENEY ET UX	14-13/8
19	WM K. & JOHN D. HEATH ESTS	14-11/12
20	JOHN D. & WM K. HEATH ESTS	14-11/11
21	CHAD E. FRANCIS	14-11/11.2
22	KATHLEEN I. FRANCIS	14-11/11.1
23	DARYL A. CROW	14-11/11.4
24	DENNIS W. & DONNA CROW	14-11/11.3
25	DENNIS W. CROW ET UX	14-13/11
26	DAVID LEE BEVERIDGE ET UX	14-13/13.1
27	DAVID LEE BEVERIDGE	14-13/13

AS-DRILLED LOCATIONS
UTM 17-WAD83(M)
SURFACE HOLE LOCATION (SHL)
N:4417386.81
E:525707.91
APPROX LANDING POINT (LP)
N:4417479.64
E:526880.30
BOTTOM HOLE LOCATION (BHL)
N:4415027.95
E:528079.33

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**THRASHER**

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

NOVEMBER 10, 2021

05/23/2025