



west virginia department of environmental protection

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

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

Tuesday, January 18, 2022
WELL WORK PERMIT
Horizontal 6A / New Drill

EQT PRODUCTION COMPANY
625 LIBERTY AVE., SUITE 1700
PITTSBURGH, PA 15222

Re: Permit approval for TESLA 9H
47-103-03474-00-00

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

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

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

James A. Martin
Chief

Operator's Well Number: TESLA 9H
Farm Name: MIKE ROSS INC. & EQT PRO
U.S. WELL NUMBER: 47-103-03474-00-00
Horizontal 6A New Drill
Date Issued: 1/18/2022

Promoting a healthy environment.

01/21/2022

PERMIT CONDITIONS

4710308474

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

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. 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.

API Number: 4710303474

PERMIT CONDITIONS

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.

01/21/2022



west virginia department of environmental protection

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

Austin Caperton, Cabinet Secretary
dep.wv.gov

**ORDER
ISSUED UNDER
WEST VIRGINIA CODE, CHAPTER 22, ARTICLE 6A**

TO: EQT Production Company
625 Liberty Ave., Suite 1700
Pittsburgh, PA 15222

DATE: January 13, 2022
ORDER NO.: 2022-W-1

INTRODUCTION

This Order (hereinafter "Order") is issued by the Office of Oil and Gas (hereinafter "OOG"), by and through its Chief, pursuant to the authority of W. Va. Code §§ 22-1-1, 22-6-1 and 22-6A-1 *et seq.* to EQT Production Company (hereinafter "EQT" or "Operator"), collectively the "Parties."

FINDINGS OF THE CHIEF

In support of this Order, the Chief hereby finds the following:

1. OOG, an office within the West Virginia Department of Environmental Protection, is the agency with the duty and authority to execute and enforce W. Va. Code §22-6-1 and §22-6A-1 *et seq.*, and the rules and regulations promulgated thereunder.
2. EQT is a "person" as defined by W. Va. Code §22-6-1(n), with a corporate address as 625 Liberty Ave., Suite 1700, Pittsburgh, PA 15222.
3. On December 6, 2021, EQT submitted a well work permit application identified as API# 47-103-03474. The proposed well is to be located on the Tesla Pad in the Grant District of Wetzel County, West Virginia.
4. On December 6, 2021, EQT requested a waiver for Wetland D as outlined in Attachment 1, from well location restriction requirements in W. Va. Code §22-6A-12(b) for the well work permit application identified as API# 47-103-03474.

01/21/2022

CONCLUSIONS OF LAW

1. West Virginia Code §22-1-6(d) requires, in part, that “in addition to other powers, duties and responsibilities granted and assigned to the secretary by this chapter, the secretary is authorized and empowered to...(3) Enter private lands to make surveys and inspections for environmental protection purposes; to investigate for violations of statutes or rules which the Office of Oil and Gas is charged with enforcing; to serve and execute warrants and processes; to make arrests; issue orders, which for the purposes of this chapter include consent agreements; and to otherwise enforce the statutes or rules which the Office of Oil and Gas is charged with enforcing.”
2. West Virginia Code §22-6A-2(a)(6) requires, in part, that “Concomitant with the broad powers to condition the issuance of well work permits, the secretary should also have broad authority to waive certain minimum requirements of this article when, in his or her discretion, such waiver is appropriate: *Provided*, That the secretary shall submit a written report of the number of waivers granted to the Legislature commencing January 1, 2013, and each year thereafter.”
3. West Virginia Code §22-6A-12(b) requires, in part, that “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 Office of Oil and Gas 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 Office of Oil and Gas 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.”

ORDER

West Virginia Code §22-6A-12(b) requires, in part, that “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. The Office of Oil and Gas grants the request for a waiver for Wetland D from well location restriction requirements in W. Va. Code §22-6A-12(b) for the well work permit application identified as API# 47-103-03474. The Office of Oil and Gas hereby **ORDERS** that EQT shall meet the following site construction and operational requirements for the Tesla Well Pad:

- a. A berm shall be constructed around the perimeter of the pad to contain any potential spills and storm water runoff. Berm is to be at least twenty-four inches (24”) in height;
- b. Erosion control blankets shall be installed on all slopes and down gradient locations of the pad as erosion and sediment controlling BMPs;
- c. Wetland D shall be protected by two layers of forty-eight inch (48”) Super Silt Fence. This along with temporary and permanent vegetative cover will prevent sediment from reaching the wetlands
- d. Disturbed areas not used for operations shall be seeded and mulched per the seeding tables in the WVDEP-OOG Erosion and Sediment Control Manual;
- e. Drill cuttings and associated drilling mud shall be disposed of in a permitted landfill;
- f. Waste generated by the flowback treatment systems shall be sent to offsite disposal at a permitted landfill;
- g. Weekly site inspections shall be conducted to monitor and maintain the integrity of the BMP storm water controls;
- h. Weekly storm water and spill prevention inspections shall be conducted focusing on storm water and spill prevention BMPs and maintenance of these BMPs;
- i. Inspections of the storm water and spill prevention measures shall be conducted after any major storm event defined as a half inch (½”) rain within any twenty-four (24) hour period;
- j. Pad inspections shall be conducted no less than once a week to identify and mitigate potential deficiencies;
- k. All records from inspections shall be maintained on site for the life of the project and be available upon request.

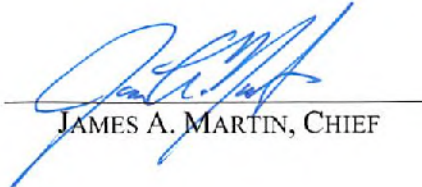
Thus ORDERED, the 13th day of January, 2022.

4710303474

IN THE NAME OF THE STATE OF WEST VIRGINIA:

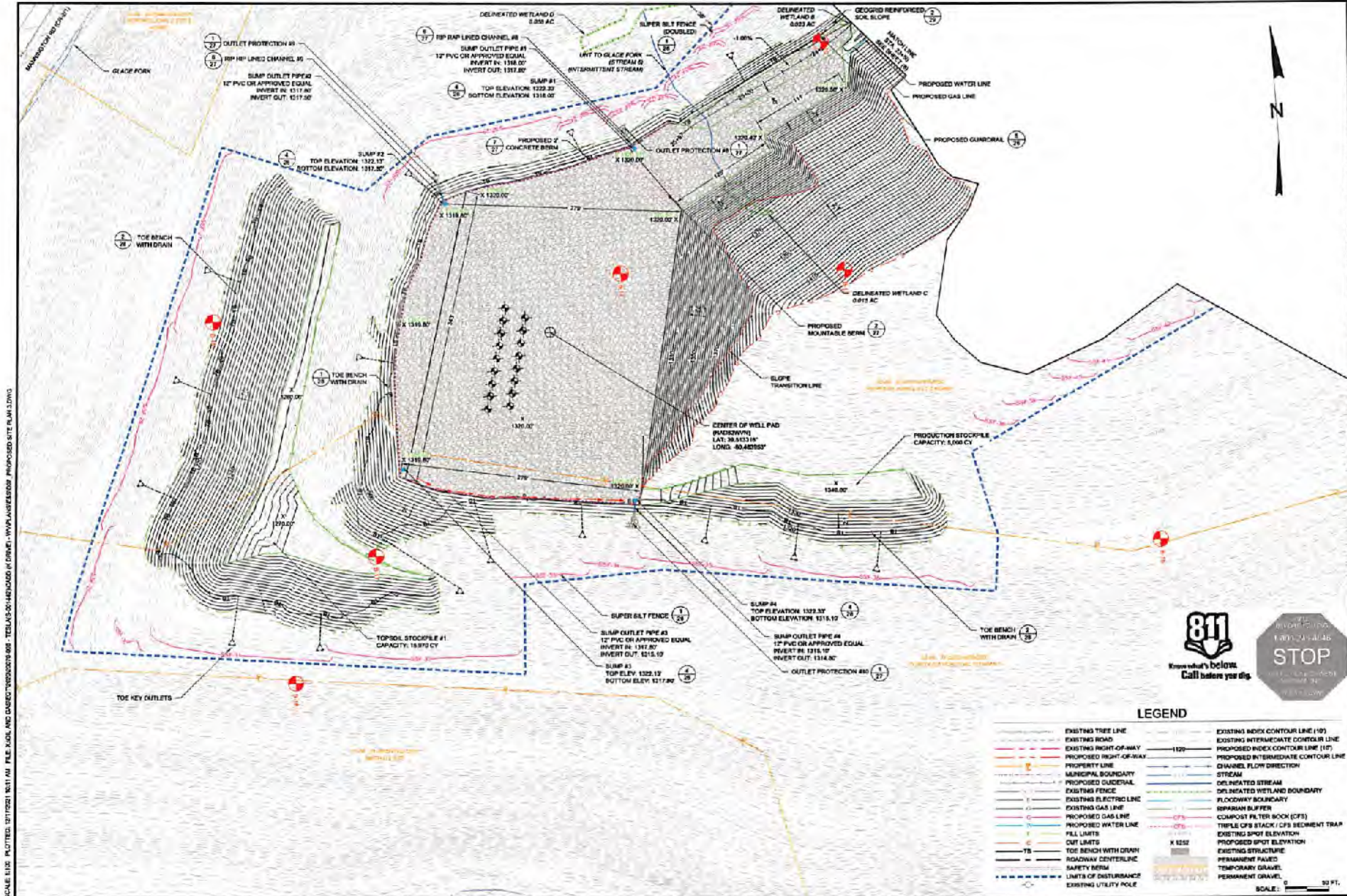
OFFICE OF OIL AND GAS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
STATE OF WEST VIRGINIA

By:



JAMES A. MARTIN, CHIEF

Attachment 1



SCALE: 1/8" = 1'-0" PLOTTED: 07/17/2021 10:11 AM FILE: 64261.DWG DATE: 07/17/2021 10:11 AM PROJECT: 20210717-001 - TESLA WELLSITE - WPA AND ESDS - PROPOSED SITE PLAN - DWG



LEGEND

--- (dashed line)	EXISTING TREE LINE	--- (dashed line)	EXISTING INDEX CONTOUR LINE (10')
--- (dashed line)	EXISTING ROAD	--- (dashed line)	EXISTING INTERMEDIATE CONTOUR LINE
--- (dashed line)	EXISTING RIGHT-OF-WAY	--- (dashed line)	PROPOSED INDEX CONTOUR LINE (10')
--- (dashed line)	PROPOSED RIGHT-OF-WAY	--- (dashed line)	PROPOSED INTERMEDIATE CONTOUR LINE
--- (dashed line)	PROPERTY LINE	--- (dashed line)	CHANNEL FLOW DIRECTION
--- (dashed line)	MUNICIPAL BOUNDARY	--- (dashed line)	STREAM
--- (dashed line)	PROPOSED GUARDRAIL	--- (dashed line)	DELIMITED STREAM
--- (dashed line)	EXISTING FENCE	--- (dashed line)	DELIMITED WETLAND BOUNDARY
--- (dashed line)	EXISTING ELECTRIC LINE	--- (dashed line)	FLOODWAY BOUNDARY
--- (dashed line)	EXISTING GAS LINE	--- (dashed line)	SPRINKLER BUFFER
--- (dashed line)	PROPOSED GAS LINE	--- (dashed line)	COMPOST FILTER BOON (CFB)
--- (dashed line)	PROPOSED WATER LINE	--- (dashed line)	TRIPLE CFB STACK / CFB SEDIMENT TRAP
--- (dashed line)	FILL LIMITS	--- (dashed line)	EXISTING SPOT ELEVATION
--- (dashed line)	OUT LIMITS	--- (dashed line)	PROPOSED SPOT ELEVATION
--- (dashed line)	TOE BENCH WITH DRAIN	--- (dashed line)	EXISTING STRUCTURE
--- (dashed line)	ROADWAY CENTERLINE	--- (dashed line)	PERMANENT PAVED
--- (dashed line)	SAFETY BERM	--- (dashed line)	TEMPORARY GRAVEL
--- (dashed line)	LIMITS OF DISTURBANCE	--- (dashed line)	PERMANENT GRAVEL
--- (dashed line)	EXISTING UTILITY POLE	--- (dashed line)	

SCALE: 1" = 30 FT.

DATE	07/17/2021	SCALE	AS SHOWN	PROJECT	TESLA WELL SITE	SHEET	7
CLIENT	TESLA	DESIGNER	DEFENBAUGH & HRITZ, LLC	PROJECT NO.	20210717-001	DATE	07/17/2021
PROJECT	TESLA WELL SITE	DATE	07/17/2021	PROJECT NO.	20210717-001	DATE	07/17/2021
PROJECT	TESLA WELL SITE	DATE	07/17/2021	PROJECT NO.	20210717-001	DATE	07/17/2021

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11/3/14

Wetland and Perennial Stream Waiver Request

API Number: PendingOperator's Well Number: PendingWell Operator: EQT Production CompanyWell Number: PendingWell Pad Name: TeslaCounty, District, Quadrangle of Well Location: Wetzel/Grant and Marion/Mannington - Glover Gap Quadrangle

Answer the questions below to request a waiver from West Virginia Department of Environmental Protection for any wetlands or perennial streams which lie within one hundred feet of proposed project Limit of Disturbance (LOD), which includes any erosion and sediment control devices to be used.

This waiver shall be requested pursuant to Chapter 22 Article 6A Section 12 of West Virginia Code, which states:

§22-6A-12(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.

§22-6A-12(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.

01/21/2022

Answer in the space provided, or use additional pages as necessary to fully answer the questions below:

- 1. Describe the proposed project location, including unique identifying names of all wetlands, and the names of perennial streams for which the waiver is sought.**

The Tesla Well Site project is located in Wetzel and Marion Counties, WV approximately 7.5 miles west of Mannington, WV. The pad center coordinates are 39.513318 -80.483953. One palustrine emergent (PEM) wetland (Wetland D - 0.058 acre) is within 100' of the LOD of the proposed well pad. No perennial streams are present.

- 2. Justify the proposed activity by describing alternatives to this project that were considered.**

- a. Include a No-Action Alternative as to show "the future without the project"
- b. Location Alternatives must be shown
- c. Must demonstrate why a one hundred foot buffer cannot be maintained
- d. Describe how the proposed project is the least environmentally damaging practicable alternative

- a. The No-Action Alternative will prevent construction of the pad and completion of the wells.
- b. Location alternatives for the project are not feasible. This is a resource extraction project which determines the siting of the proposed well.
- c. The current proposed design is the least environmentally damaging practical alternative based on the existing site conditions and the surrounding topography. The steepness of the site and required infrastructure limit the configurations suitable for the site.

- 3. Identify sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. This description should include all additional erosion and sediment control measures and devices that will be used.**

All remaining resources not directly impacted by the site construction will be protected as follows:

- compost filter sock directly downslope of all disturbed areas
- temporary and permanent vegetative cover on disturbed areas
- site drainage features prevent direct discharge to remaining streams and wetlands
- ditches and rip rap aprons will be installed

- 4. Provide mapping, plans, specifications and design analysis for the preferred alternative to the project.**

- a. Specify in writing what additional controls, measures, devices, monitoring, etc. will be used to protect these wetlands and/or perennial streams for which the waiver is sought.

The wetland will not be permanently lost as a result of the construction; however, as outlined previously, the site conditions limit the configuration options for the proposed well site such that the LOD proximity is unavoidable.

A second layer of E&S measures will be installed between the wetland and the proposed earth disturbance as shown on the site plans.

The attached correspondence from the U. S. Army Corps of Engineers indicates that the resources proposed for impact are not Waters of the United States; therefore, no Section 404 permit is required.

The attached correspondence from the West Virginia Department of Environmental Protection - Division of Water and Waste Management indicate that Section 401 authorization for impacts to state waters is not required.

4710303474



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
HUNTINGTON DISTRICT, CORPS OF
ENGINEERS
502 EIGHTH STREET
HUNTINGTON, WEST VIRGINIA 25701-2070

December 15, 2020

Regulatory Division
Energy Resource Branch
LRH-2020-785-OHR-Price Run

APPROVED JURISDICTIONAL DETERMINATION

Mr. Mike DeSanzo
EQT Production Company
400 Woodcliff Drive
Canonsburg, PA 15317

Dear Mr. DeSanzo:

I refer to the *Tesla Well Site Approved Jurisdictional Determination (JD) Request* submitted on your behalf by Dieffenbauch & Hritz, LLC, and received in this office on November 12, 2020. You have requested an approved jurisdictional determination (JD) for the potentially jurisdictional and non-jurisdictional features located within the 78.6-acre property. The subject property is located near the City of Pricetown, Marion and Wetzel Counties, West Virginia (latitude 39.513118°N, longitude 80.482131°W). Your JD request has been assigned the following file number: LRH-2020-785-OHR-Price Run. Please reference this number on all future correspondence related to this JD request.

The United States Army Corps of Engineers' (Corps) authority to regulate waters of the United States is based on the definitions and limits of jurisdiction contained in 33 CFR 328, including the amendments to 33 FFR 328.3 (85 Federal Register 22250), and 33 CFR 329. Section 404 of the Clean Water Act (Section 404) requires a Department of the Army (DA) permit be obtained prior to discharging dredged and/or fill material into waters of the United States, including wetlands. Section 10 of the Rivers and Harbors Act of 1899 (Section 10) requires a DA permit be obtained for any work in, on, over or under a navigable water.

The Navigable Waters Protection Rule, which became effective on June 22, 2020, was followed in this verification of Section 404 jurisdiction for the features located within the AJD boundary. Based upon a review of the submitted report and additional information available to us, this office has determined the following:

Streams 3, 13 and 14 (1,311 linear feet within area of interest) contribute intermittent flow to a downstream (a)(1) water in a typical year and are waters of the United States per 33 CFR 328.3(a)(2).

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Office of Oil and Gas

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WV Department of
Environmental Protection

These aforementioned aquatic features are subject to regulation under Section 404 and are depicted on the enclosed map titled "Stream and Wetland Investigation Map" and listed in the enclosed AJD Table. If your proposed project is unable to avoid the discharge of dredged and/or fill material into waters of the United States, you must obtain an authorization from this office.

Additionally, this office has determined the following:

- Streams 1, 2, 4, 5 and 7-12 (3,200 linear feet within area of interest) exhibit ephemeral flow and are not waters of the United States per 33 CFR 328.3(b)(3).
- Wetlands A-F (0.19 acre) do not meet the definition of adjacent wetlands and are not considered waters of the United States per 33 CFR 328.3(b)(1).
- Stream 6 (233 linear feet within area of interest) is an intermittent stream that does not contribute surface water flow directly or indirectly to an (a)(1) water in a typical year and is not a water of the United States per 33 CFR 328.2(b)(1).

The above listed features are not considered jurisdictional waters of the United States and are not subject to regulation under Section 404. These non-jurisdictional features are depicted on the enclosed map titled "Stream and Wetland Investigation Map" and also listed in the enclosed AJD Table. However, you should contact the West Virginia Department of Environmental Protection at 304-926-0440 to determine state permit requirements.

This jurisdictional verification is valid for a period of five (5) years from the date of this letter unless new information warrants revision of the delineation prior to the expiration date. This letter contains an approved JD for the subject site within the approved JD boundary. If you object to this determination, you may request an administrative appeal under Corps regulations at 33 CFR 331. Enclosed you will find a Notification of Appeal Process (NAP) fact sheet and Request for Appeal (RFA) form. If you request to appeal this determination you must submit a completed RFA form to the Great Lakes and Ohio River Division Office at the following address:

Appeal Review Officer
United States Army Corps of Engineers
Great Lakes and Ohio River Division
550 Main Street, Room 10-714
Cincinnati, Ohio 45202-3222
Phone: (513) 684-2699
Fax: (513) 684-2460

In order for an RFA to be accepted by the Corps, the Corps must determine that it is complete, that it meets the criteria for appeal under 33 CFR 331.5, and that it has been received by the Division Office within 60 days of the date of the NAP. Should you decide to submit an RFA form, it must be received at the above address by February 13, 2021. It is not necessary to submit an RFA form to the Division office if you do not object to the determination in this letter.

This determination has been conducted to identify the limits of the Corps' Section 404 jurisdiction for the particular site identified in this request. This determination may not be valid for the wetland conservation provisions of the Food Security Act of 1985. If you or your tenant

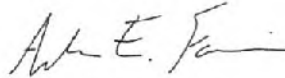
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are United States Department of Agriculture (USDA) program participants, or anticipate participation in USDA programs, you should request a certified wetland determination from the local office of the Natural Resources Conservation Service prior to starting work.

If you have any questions concerning the above, please contact Ms. Rachel Klug of the Energy Resource Branch at 304-399-5858, by mail at the above address, or by email at: rachel.a.klug@usace.army.mil.

Sincerely,



Adam Fannin
Regulatory Project Manager
Energy Resource Branch

Enclosures

cc (via email):

Ms. Carolyn Cannella (Dieffenbauch & Hritz, LLC)

RECEIVED
Office of Oil and Gas
DEC 06 2021
WV Department of
Environmental Protection

01/21/2022



**U.S. ARMY CORPS OF ENGINEERS
REGULATORY PROGRAM
APPROVED JURISDICTIONAL DETERMINATION FORM (INTERIM)
NAVIGABLE WATERS PROTECTION RULE**

I. ADMINISTRATIVE INFORMATION

Completion Date of Approved Jurisdictional Determination (AJD): 12/15/2020

ORM Number: LRH-2020-785-OHR-Price Run

Associated JDs: N/A

Review Area Location¹: State/Territory: West Virginia City: Pricetown County/Parish/Borough: Wetzel and MarionCenter Coordinates of Review Area: Latitude 39.513118 Longitude -80.482131**II. FINDINGS****A. Summary:** Check all that apply. At least one box from the following list **MUST** be selected. Complete the corresponding sections/tables and summarize data sources.

- The review area is comprised entirely of dry land (i.e., there are no waters or water features, including wetlands, of any kind in the entire review area). Rationale: N/A or describe rationale.
- There are "navigable waters of the United States" within Rivers and Harbors Act jurisdiction within the review area (complete table in Section II.B).
- There are "waters of the United States" within Clean Water Act jurisdiction within the review area (complete appropriate tables in Section II.C).
- There are waters or water features excluded from Clean Water Act jurisdiction within the review area (complete table in Section II.D).

B. Rivers and Harbors Act of 1899 Section 10 (§ 10)²

§ 10 Name	§ 10 Size	§ 10 Criteria	Rationale for § 10 Determination
N/A.	N/A.	N/A.	N/A.

C. Clean Water Act Section 404

Territorial Seas and Traditional Navigable Waters ((a)(1) waters): ³				
(a)(1) Name	(a)(1) Size	(a)(1) Criteria	Rationale for (a)(1) Determination	
N/A.	N/A.	N/A.	N/A.	

Tributaries ((a)(2) waters):				
(a)(2) Name	(a)(2) Size	(a)(2) Criteria	Rationale for (a)(2) Determination	
Stream 3	185	linear feet	(a)(2) Intermittent tributary contributes surface water flow directly or indirectly to an (a)(1) water in a typical year.	Stream 3 is an intermittent, direct tributary to Price Run, an (a)(2) water and direct tributary to the Ohio River, an (a)(1) TNW, at a location outside of the AOI. Stream 3 contributes surface water flow indirectly to the Ohio River, an (a)(1) TNW, in a typical year (reference Section III B of this AJD form). Approximately 5 lf of Stream is conveyed within the AOI through Culvert 1. Up- and downstream flows are maintained on either side of the artificial structure and jurisdiction is not severed.

¹ Map(s)/figure(s) are attached to the AJD provided to the requestor.

² If the navigable water is not subject to the ebb and flow of the tide or included on the District's list of Rivers and Harbors Act Section 10 navigable waters list, do NOT use this document to make the determination. The District must continue to follow the procedure outlined in 33 CFR part 329.14 to make a Rivers and Harbors Act Section 10 navigability determination.

³ A stand-alone TNW determination is completed independently of a request for an AJD. A stand-alone TNW determination is conducted for a specific segment of river or stream or other type of waterbody, such as a lake, where upstream or downstream limits or lake borders are established. A stand-alone TNW determination should be completed following applicable guidance and should NOT be documented on the AJD Form.



**U.S. ARMY CORPS OF ENGINEERS
REGULATORY PROGRAM
APPROVED JURISDICTIONAL DETERMINATION FORM (INTERIM)
NAVIGABLE WATERS PROTECTION RULE**

Tributaries ((a)(2) waters):				
(a)(2) Name	(a)(2) Size		(a)(2) Criteria	Rationale for (a)(2) Determination
Stream 13	124	linear feet	(a)(2) Intermittent tributary contributes surface water flow directly or indirectly to an (a)(1) water in a typical year.	Stream 13 is an intermittent, direct tributary to Glade Fork, an (a)(2) water and indirect tributary to the Ohio River, an (a)(1) TNW, at a location outside of the AOI. Stream 13 contributes surface water flow indirectly to the Ohio River, an (a)(1) TNW, in a typical year (reference Section III B of this AJD form).
Stream 14	1002	linear feet	(a)(2) Intermittent tributary contributes surface water flow directly or indirectly to an (a)(1) water in a typical year.	Stream 14 is an intermittent portion of Price Run, an (a)(2) water and indirect tributary to the Ohio River, an (a)(1) TNW, at a location outside of the AOI. Stream 14 contributes surface water flow indirectly to the Ohio River, an (a)(1) TNW, in a typical year (reference Section III B of this AJD form). Approximately 18 lf of Stream 14 is conveyed within the AOI through Culvert 4. Up- and downstream flows are maintained on either side of the artificial structure and jurisdiction is not severed.

Lakes and ponds, and impoundments of jurisdictional waters ((a)(3) waters):				
(a)(3) Name	(a)(3) Size		(a)(3) Criteria	Rationale for (a)(3) Determination
N/A.	N/A.	N/A.	N/A.	N/A.

Adjacent wetlands ((a)(4) waters):				
(a)(4) Name	(a)(4) Size		(a)(4) Criteria	Rationale for (a)(4) Determination
N/A	N/A	N/A.	N/A.	N/A

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D. Excluded Waters or Features

Excluded waters ((b)(1) – (b)(12)): ⁴				
Exclusion Name	Exclusion Size		Exclusion ⁵	Rationale for Exclusion Determination
Stream 1	441	linear feet	(b)(3) Ephemeral feature, including an ephemeral stream, swale, gully, rill, or pool.	Stream 1 is an ephemeral stream and meets the definition of "ephemeral" in paragraph (c)(3). Reference Section III D for typical year assessments.
Stream 2	150	linear feet	(b)(3) Ephemeral feature, including an ephemeral stream, swale, gully, rill, or pool.	Stream 2 is an ephemeral stream and meets the definition of "ephemeral" in paragraph (c)(3). Reference Section III D for typical year assessments.
Stream 4	104	linear feet	(b)(3) Ephemeral feature, including	Stream 4 is an ephemeral stream and meets the definition of "ephemeral" in paragraph (c)(3).

⁴ Some excluded waters, such as (b)(2) and (b)(4), may not be specifically identified on the AJD form unless a requestor specifically asks a Corps district to do so. Corps districts may, in case-by-case instances, choose to identify some or all of these waters within the review area.

⁵ Because of the broad nature of the (b)(1) exclusion and in an effort to collect data on specific types of waters that would be covered by the (b)(1) exclusion, four sub-categories of (b)(1) exclusions were administratively created for the purposes of the AJD Form. These four sub-categories are not new exclusions, but are simply administrative distinctions and remain (b)(1) exclusions as defined by the NWPR.



**U.S. ARMY CORPS OF ENGINEERS
REGULATORY PROGRAM
APPROVED JURISDICTIONAL DETERMINATION FORM (INTERIM)
NAVIGABLE WATERS PROTECTION RULE**

4710303474

Excluded waters ((b)(1) – (b)(12)): ⁴			
Exclusion Name	Exclusion Size	Exclusion ⁵	Rationale for Exclusion Determination
		an ephemeral stream, swale, gully, rill, or pool	Reference Section III D for typical year assessments.
Stream 5	546	linear feet (b)(3) Ephemeral feature, including an ephemeral stream, swale, gully, rill, or pool	Stream 5 is an ephemeral stream and meets the definition of "ephemeral" in paragraph (c)(3). Reference Section III D for typical year assessments.
Stream 6	233	linear feet (b)(1) Surface water channel that does not contribute surface water flow directly or indirectly to an (a)(1) water in a typical year.	Stream 6 is an intermittent stream that connects Wetland C and Wetland D, both determined to be (b)(1) non-adjacent wetlands. The surface water channel does not extend beyond the wetlands and does not contribute surface water flow directly or indirectly to an (a)(1) water in a typical year. Reference Section III D for typical year assessments.
Stream 7	341	linear feet (b)(3) Ephemeral feature, including an ephemeral stream, swale, gully, rill, or pool	Stream 7 is an ephemeral stream and meets the definition of "ephemeral" in paragraph (c)(3). Reference Section III D for typical year assessments.
Stream 8	214	linear feet (b)(3) Ephemeral feature, including an ephemeral stream, swale, gully, rill, or pool	Stream 8 is an ephemeral stream and meets the definition of "ephemeral" in paragraph (c)(3). Reference Section III D for typical year assessments.
Stream 9	303	linear feet (b)(3) Ephemeral feature, including an ephemeral stream, swale, gully, rill, or pool	Stream 9 is an ephemeral stream and meets the definition of "ephemeral" in paragraph (c)(3). Reference Section III D for typical year assessments.
Stream 10	516	linear feet (b)(3) Ephemeral feature, including an ephemeral stream, swale, gully, rill, or pool	Stream 10 is an ephemeral stream and meets the definition of "ephemeral" in paragraph (c)(3). Reference Section III D for typical year assessments.
Stream 11	326	linear feet (b)(3) Ephemeral feature, including an ephemeral stream, swale, gully, rill, or pool	Stream 11 is an ephemeral stream and meets the definition of "ephemeral" in paragraph (c)(3). Reference Section III D for typical year assessments.
Stream 12	259	linear feet (b)(3) Ephemeral feature, including an ephemeral stream, swale, gully, rill, or pool	Stream 12 is an ephemeral stream and meets the definition of "ephemeral" in paragraph (c)(3). Reference Section III D for typical year assessments.



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NAVIGABLE WATERS PROTECTION RULE

Excluded waters ((b)(1) – (b)(12)): ⁴				
Exclusion Name	Exclusion Size		Exclusion ⁵	Rationale for Exclusion Determination
Wetland A	0.014	acre(s)	(b)(1) Non-adjacent wetland.	Wetland is not in direct contact with, not located in a position to be inundated by, and not naturally or artificially separated from a water defined in 328.3(a)(1)-(a)(3)
Wetland B	0.023	acre(s)	(b)(1) Non-adjacent wetland.	Wetland is not in direct contact with, not located in a position to be inundated by, and not naturally or artificially separated from a water defined in 328.3(a)(1)-(a)(3)
Wetland C	0.015	acre(s)	(b)(1) Non-adjacent wetland.	Wetland is not in direct contact with, not located in a position to be inundated by, and not naturally or artificially separated from a water defined in 328.3(a)(1)-(a)(3)
Wetland D	0.058	acre(s)	(b)(1) Non-adjacent wetland.	Wetland is not in direct contact with, not located in a position to be inundated by, and not naturally or artificially separated from a water defined in 328.3(a)(1)-(a)(3)
Wetland E	0.02	acre(s)	(b)(1) Non-adjacent wetland.	Wetland is not in direct contact with, not located in a position to be inundated by, and not naturally or artificially separated from a water defined in 328.3(a)(1)-(a)(3)
Wetland F	0.06	acre(s)	(b)(1) Non-adjacent wetland.	Wetland is not in direct contact with, not located in a position to be inundated by, and not naturally or artificially separated from a water defined in 328.3(a)(1)-(a)(3)

III. SUPPORTING INFORMATION

A. Select/enter all resources that were used to aid in this determination and attach data/maps to this document and/or references/citations in the administrative record, as appropriate.

Information submitted by, or on behalf of, the applicant/consultant: Dieffenbauch & Fritz, LLC., on behalf of EQT Production Company, submitted a delineation report for Tesla Well Site dated 11 November 2020 (JD, Nov 2020).

This information is sufficient for purposes of this AJD.

Rationale: The information provided by or on behalf of the applicant accurately reflects the district's conclusions on the AJD.

- Data sheets prepared by the Corps: Title(s) and/or date(s)
- Photographs: Other: Appendix D: Site Photographs 1-78 (JD, Nov 2020).
- Corps site visit(s) conducted on: Date(s)
- Previous Jurisdictional Determinations (AJDs or PJDs): ORM Number(s) and date(s).
- Antecedent Precipitation Tool: provide detailed discussion in Section III.B.
- USDA NRCS Soil Survey: Figure 4. NRCS Soils Map (JD, Nov 2020)
- USFWS NWI maps: Figure 3. FIRM, NWI & NHD Map (JD, Nov 2020).
- USGS topographic maps: Figure 2. USGS Topographic Map (JD, Nov 2020)

Other data sources used to aid in this determination:

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REGULATORY PROGRAM
APPROVED JURISDICTIONAL DETERMINATION FORM (INTERIM)
NAVIGABLE WATERS PROTECTION RULE**

Data Source (select)	Name and/or date and other relevant information
USGS Sources	N/A
USDA Sources	N/A.
NOAA Sources	N/A.
USACE Sources	ORM Aquatic Resources Layer
State/Local/Tribal Sources	N/A.
Other Sources	Historicaerials.com aerial photographs for years: 1985, 1996, 2003, 2007, 2009, 2011, 2014 and 2016

B. Typical year assessment(s): A typical year occurs over a rolling thirty year period and includes the analysis of precipitation and other climatic variables to establish a normal period range (seasonally or annually) for a specific geographic region where the aquatic resource occurs. One (1) point-in-time data source, dated 11 June 2020, with a corresponding APT report, was included in the evaluation for the excluded features on-site. The antecedent precipitation tool was utilized to determine typical year for point-in-time data sources. Based on the antecedent precipitation tool, 11 June 2020 is included during the Web-based Water-Budget Interactive Modeling Program dry season and has a Palmer Drought Severity Index of (2.51) moderate wetness and an antecedent precipitation condition score of 12. The antecedent precipitation condition is considered "normal" for that point in time.

C. Additional comments to support AJD: N/A or provide additional discussion as appropriate.

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From: [Dickson, Nancy J](#)
To: [Carolyn Cannella](#)
Cc: [Roman Lawson](#); [Bridgewater, Brian L](#)
Subject: RE: [External] Tesla Proposed Impacts to Waters
Date: Monday, April 5, 2021 13:21:44

Ms. Cannella,

My apology for the delay in reply but I wanted to be 1,000% sure before we gave you anything on this inquiry.

Authorization from 401 for this project will not be required, therefore, you will not need to submit anything further to our office.

Thank you,

Nancy J. Dickson
Environmental Resources Specialist 3
West Virginia Department of Environmental Protection
Division of Water and Waste Management
401 Certification Program

601 57th Street, SE
Charleston, WV 25304
Telephone: (304) 414-3834
Email: nancy.j.dickson@wv.gov

From: Carolyn Cannella <ccannella@dandhengineers.com>
Sent: Tuesday, March 30, 2021 11:40 AM
To: Dickson, Nancy J <Nancy.J.Dickson@wv.gov>
Cc: Roman Lawson <rlawson@dandhengineers.com>
Subject: [External] Tesla Proposed Impacts to Waters

CAUTION: External email. Do not click links or open attachments unless you verify sender.

Good morning, Nancy.

Back in January, we received the attached letter regarding the Tesla Well Site delineation, and the final delineation map is also attached.

The attached preliminary design plan indicates that the following waters will be permanently impacted:

Wetland B – 0.023 ac
Wetland C – 0.015 ac
Wetland E – 0.020 ac
Stream 5 – 70 ft
Stream 6 – 107 ft

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Total permanent wetland loss will be 0.058 acre and permanent stream loss will be 177 linear feet.

There will be an additional approximate temporary loss of 50 ft on Stream 5 and 50 feet on Stream 6 for E&S BMPs during construction.

A USACE permit is not be required for any of these as all of these resources are not Waters of the United States, so if you would, please let us know what should be submitted to your agency in order to proceed with the project.

Please call me at 265-525-4224 x 4004 or email me at ccannella@dandhengineers.com if you would like to discuss it in more detail or if you need any additional information for your review.

Thank you,

Carolyn Cannella
Senior Scientist



DIEFFENBAUCH & HRITZ

432 E. Main St.
Suite A
Abingdon, Va. 24210
276-525-4224 ext. 4004 (office)

www.dandhengineers.com

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

1) Well Operator: EQT Production Company 306686 Wetzel Grant Glover Gap
Operator ID County District Quadrangle

2) Operator's Well Number: 9H Well Pad Name: Tesla

3) Farm Name/Surface Owner: Mike Ross Inc & EQT Production Company Public Road Access: CR-21

4) Elevation, current ground: 1,353' Elevation, proposed post-construction: 1,320'

5) Well Type (a) Gas X Oil _____ Underground Storage _____

Other _____

(b) If Gas Shallow X Deep _____

Horizontal X

6) Existing Pad: Yes or No No

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Marcellus, 7,644', 79', 2,620 PSI

8) Proposed Total Vertical Depth: 7,644'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 9,779'

11) Proposed Horizontal Leg Length: 1,765'

12) Approximate Fresh Water Strata Depths: 171', 278'

13) Method to Determine Fresh Water Depths: Offset Wells (47-049-00113, 47-049-00094)

14) Approximate Saltwater Depths: 2,033', 2,108', 2,568', 3,276'

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15) Approximate Coal Seam Depths: 1,188'-1,193'

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16) Approximate Depth to Possible Void (coal mine, karst, other): 1,188'-1,193'

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

(a) If Yes, provide Mine Info: Name: Harrison Co. Mine

Depth: 1,188'-1,193'

Seam: Pittsburgh

Owner: ACNR 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	26	New	A-500	85.6	40	40	50 ft ³ / CTS
Fresh Water	13 3/8	New	J-55	54.5	1243	1243	1000 ft ³ / CTS
Coal							
Intermediate	9 5/8	New	J-55	36	2605	2605	1000 ft ³ / CTS
Production	5 1/2	New	P-110	20	9779	9779	500' above intermediate casing
Tubing							
Liners							

Bryan Harris 11/29/21

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	26	30	0.312	1050	18	Class A	1.18
Fresh Water	13 3/8	17 1/2	0.380	2730	2184	Class A / Type 1	1.13 - 1.19
Coal							
Intermediate	9 5/8	12 3/8	0.352	3520	2816	Class A / Type 1	1.13 - 1.19
Production	5 1/2	8 1/2	0.361	14360	11488	Class A/H	1.04 - 2.10
Tubing							
Liners							

PACKERS

Kind:				
Sizes:				
Depths Set:				

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): 42.88 acres

22) Area to be disturbed for well pad only, less access road (acres): 6.55 acres

23) Describe centralizer placement for each casing string:

- Surface: Bow spring centralizers – One centralizer at the shoe and one spaced every 500'.
- Intermediate: Bow spring centralizers– One centralizer at the shoe and one spaced every 500'.
- Production: One solid body centralizer spaced every joint from production casing shoe to KOP.

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

Conductor: Class A no additives
Surface: Calcium Chloride. Used to speed the setting of cement slurries
Intermediate: Calcium Chloride. Used to speed the setting of cement slurries.
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.

4710303474



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, SE
Charleston, WV 25301
(304) 926-0450
(304) 926-0452 fax

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
dep.wv.gov

March 18, 2014

Nabors Completion & Production Services Company
1380 Route 286 Hwy E #121
Indiana PA 15701

Re: Cement Variance Request

Dear Sir or Madam,

This agency is approving a variance request for the cement blend listed below to be used on surface and coal protection strings for the drilling of oil and gas wells in the state of West Virginia. The variance cannot be used without requesting its use on a permit application and approval by this agency:

- Type 1 (2% Calcium Chloride-Accelerator, 0.25% Super Flake-Lost Circulation, 5.2% Water, 94% Type "1" Cement)

If you have any questions regarding this matter feel free to contact me at 304-926-0499, ext. 1653.

Sincerely,

James Peterson
Environmental Resources Specialist / Permitting

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01/21/2022



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, SE
Charleston, WV 25304
(304) 926-0450
(304) 926-0452 fax

Earl Ray Tomblin, Governor
Randy C. Huffman, 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) ORDER NO. 2014 - 17
REGULATION 35 CSR § 4-11.4/11.5/14.1)
AND 35 CSR § 8-9.2.h, 4/5/6/8 OF THE)
THE OPERATIONAL)
REGULATIONS OF CEMENTING OIL)
AND GAS WELLS)

REPORT OF THE OFFICE

Nabors Completion & Production Services Co. requests approval of a different cement blend for use in cementing surface and coal protection casing of oil and gas wells.

FINDINGS OF FACT

- 1.) Nabors Completion & Production Services Co. proposes the following cement blend:
 - 2% Calcium Chloride (Accelerator)
 - 0.25 % Super Flake (Lost Circulation)
 - 94% Type "1" Cement
 - 5.20 % Water
- 2.) Laboratory testing results indicate that the blend listed in Fact No.1 will achieve a 500 psi compressive strength within 6 hours and a 2,435 psi compressive strength within 24 hours.

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CONCLUSIONS OF LAW

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

Pursuant to 35 CSR § 4-11.5 and 35 CSR § 8-9.2.h.8 the Chief of the Office of Oil and Gas may approve different cement blends upon the well operator providing satisfactory proof that different cement types are adequate.

ORDER

It is ordered that Nabors Completion & Production Services Co. may use the cement blend listed in Findings of Fact No.1 for the cementing of surface and coal protection casing of oil and gas wells in the State as may be requested by oil and gas operators. The waiting time on the cement blend shall be 8 hours. The cement blend shall be mixed in strict accordance with the specifications for each blend and weight measurements made on-site to assure the cement slurries meet the minimum weight specifications. A sample shall be collected and, if after 8 hours the cement is not set up, additional time will be required. Nabors Completion & Production Services Co. shall keep a record of cement blend jobs in which the cement blend approved under this order is to be used and made available to the Office of Oil and Gas upon request.

Dated this, the 18th day of March, 2014.

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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EQT PRODUCTION COMPANY
400 Woodcliff Drive | Canonsburg, PA 15317
P: 724-746-9073 | www.eqt.com

December 1, 2021

4710303474

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

Re: Casing on Tesla 9H

Dear Mr. Brewer,

The 13-3/8" surface casing will be set at 1,243' KB, 50' below the deepest workable coal seam and 965' below the deepest fresh water. The 9-5/8" intermediate string will be set at 2,605' KB, 50' below the base of the Big Injun formation.

If you have any questions, please do not hesitate to contact me at 724-746-9073.

Sincerely,

A handwritten signature in blue ink, appearing to read 'John Zavatchan'.

John Zavatchan
Project Specialist - Permitting

Enc.

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WEST VIRGINIA GEOLOGICAL PROGNOSIS

Tesla
API
S-001442

Drilling Objectives: Marcellus
County: Wetzel
Quad: Glover Gap
Elevation: 1333 KB
Recommended Azimuth: 335 Degrees

1320 GL

Recommended LP to TD: 12,119'

ESTIMATED FORMATION TOPS

Formation	Top (TVD)	Base (TVD)	Lithology	Comments
Fresh Water Zone	1	278'		FW @ 171,278, ...
Pittsburgh Coal	1188	1193'	Coal	Unmined portion within an active mining area
Big Lime	2378	2447	Limestone	SW @ 2033,2108,2568,3276
Big Injun	2447	2555	Sandstone	
Int. csg pt	2605			
Gantz	3042	3150	Sandstone	Outside of Storage
50F	3130	3199	Silty Sand	
Fifth Sand	3199	3265	Silty Sand	
Bayard	3265	5731	Silty Sand	Base of Offset Well Perforations at 3639' TVD
Alexander	5731	6141	Silty Sand	
Elks	6141	7095	Gray Shales and Silts	
Sonyea	7095	7279	Gray shale	
Middlesex	7279	7338	Shale	
Genesee	7338	7438	Gray shale interbedded	
Genesee	7438	7472	Black Shale	
Tully	7472	7501	Limestone	
Hamilton	7501	7604	Gray shale with some	
Marcellus	7604	7683	Black Shale	
Purcell	7647	7649	Limestone	
Lateral Zone	7644			
Cherry Valley	7662	7664	Limestone	
Onondaga	7683		Limestone	

Top RR Base RR
No Red Rock Listed in Offsets

Currently do not anticipate needing pilot hole logs

Target Thickness 79 feet

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.

RECOMMENDED CASING POINTS

Fresh Water/Coal CSG OD 13 3/8
Intermediate 1: CSG OD 9 5/8
Production: CSG OD 5 1/2

CSG DEPTH: 1243 50' below the base of the Pittsburgh
CSG DEPTH: 2605 Beneath the Big Injun formation
CSG DEPTH: @ TD

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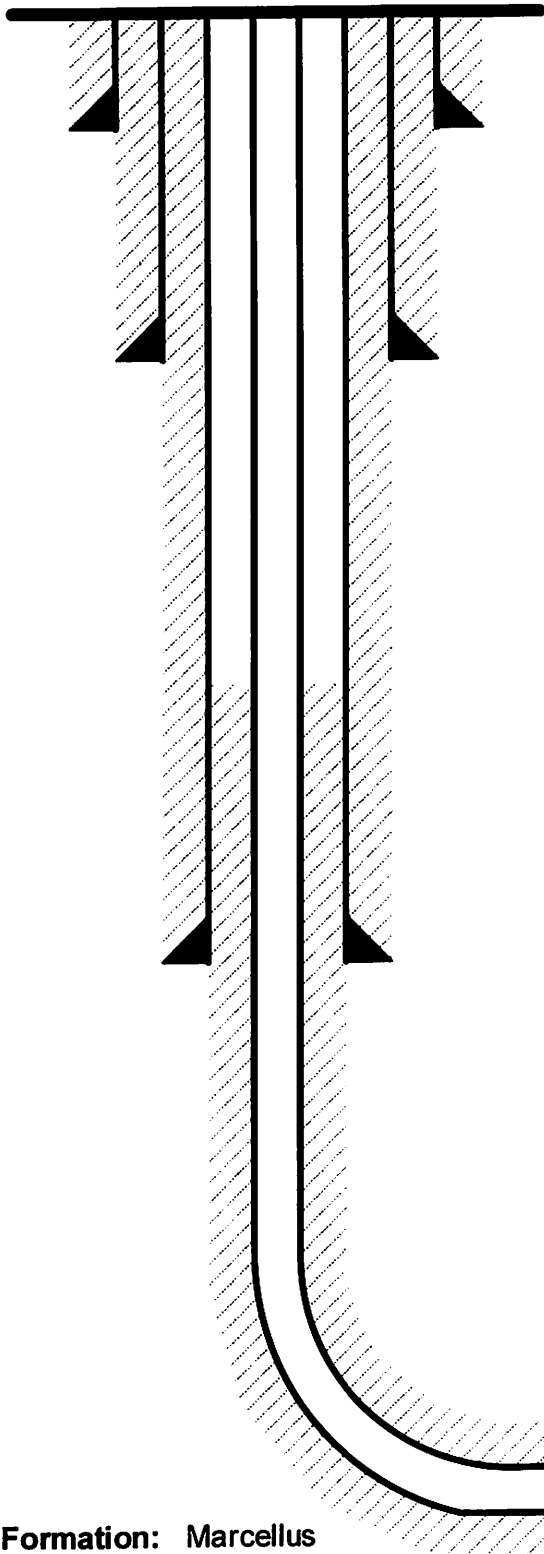
EQT Production

Wellbore Diagram

Well: Tesla 9H
Pad: Tesla
Elevation: 1320' GL 1333' KB

County: Wetzel
State: West Virginia

4710303474



Conductor @ 40'
26", 85.6#, A-500, cement to surface w/ Class A

Surface @ 1,243'
13-3/8", 54.5#, J-55, cement to surface w/ Class A/Type I

Intermediate @ 2,605'
9-5/8", 36#, J-55, cement to surface w/ Class A/Type I

Production @ 9,779' MD / 7,644' TVD
5-1/2", 20#, P-110, cement to 500' inside 9-5/8" w/ Class A/H

Formation: Marcellus

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

November 23, 2021

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Page 1 of 2

01/21/2022

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 Tesla pad: 1H, 3H, 5H, 7H, 9H, 11H, 13H 15H and 17H.

Due to the requirements under 35CSR8 5.11, the permittee is required to review the area surrounding the proposed well pad so as to identify and evaluate potential conduits for unintended fracture propagation.

A report is required to be submitted along with a well work permit application.

The plan is being implemented as an additional safety measure to be utilized in conjunction with existing best management practices and emergency action plans for the site. These additional measures include coordination with well operators of the timing and location of the hydraulic fracturing, establishment of measures well operators should implement, and assurance that the OOG is notified of the timeline, as well as any issues that may arise during fracturing.

1. Communications with Well Operators

EQT, using available data (WV Geological Survey, WVDEP website, and IHS data service), has identified all known wells and well operators within 500 feet of this pad and the lateral sections that are known or could reasonably be expected to be within range of the fracture propagation. A map showing these wells along with a list of the wells and operators is included in **Attachment A**.

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

EQT will recommend to these operators at a minimum to:

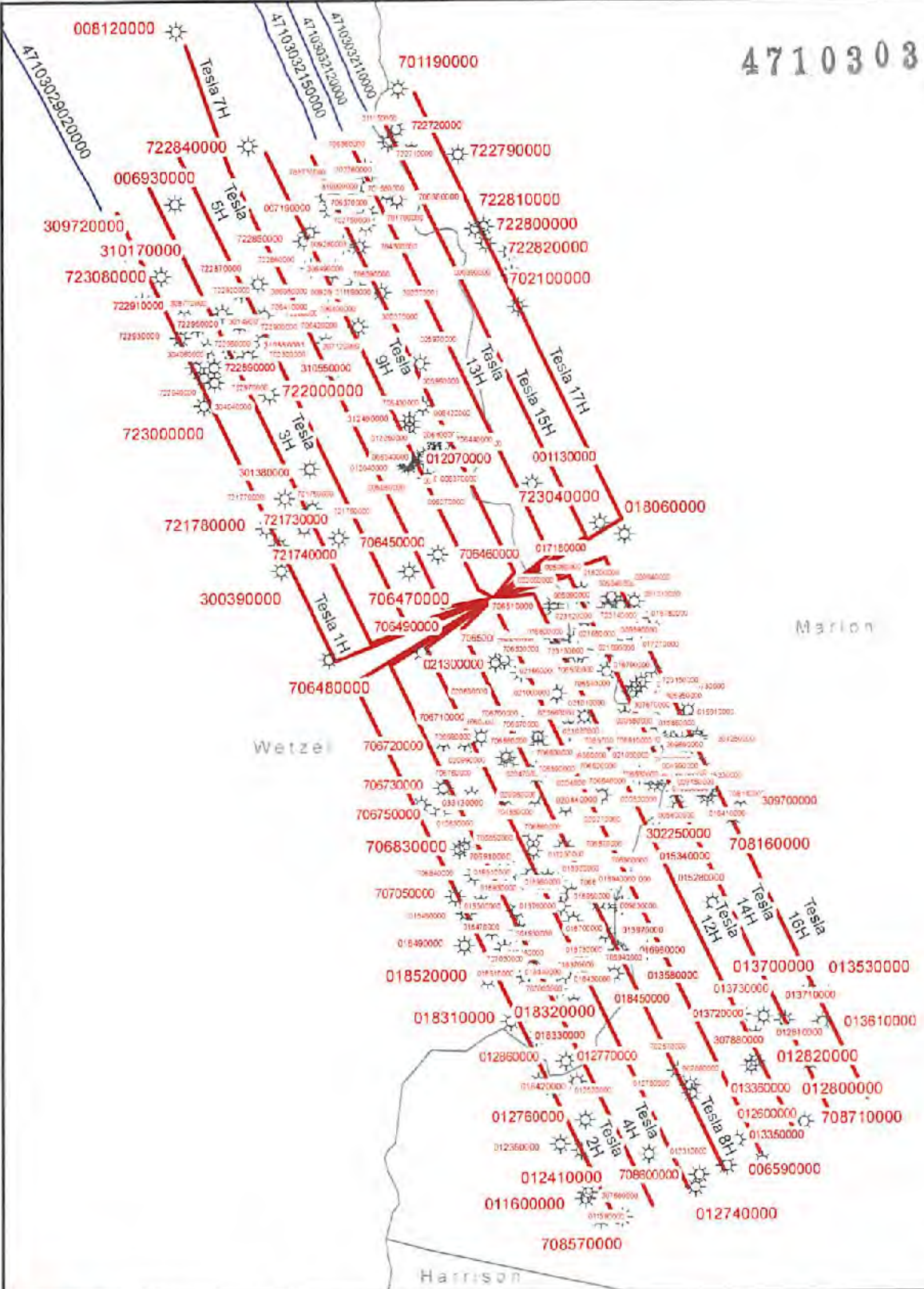
1. Inspect their surface equipment prior to fracturing to establish integrity and establish pre-frac well conditions
2. Observe wells closely during and after fracturing and monitor for abnormal increases in water, gas or pressure
3. Inspect or install master valves or other necessary equipment for wellhead integrity capable of a pressure recommended by EQT
4. Notify the OOG and EQT if any changes in water, gas production, pressure, or other anomalies are identified

2. Reporting

EQT will provide information relating to the hydraulic fracturing schedule, communication with other operators, and ongoing monitoring of the work upon request of OOG or immediately in the event of any noted abnormalities.



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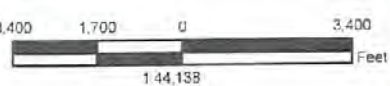
EQT
EQT Corporation
825 Liberty Avenue
Pittsburgh, PA 15222

Tesla
**Vertical Offsets and
Foreign Laterals
within 500'**

- Legend**
- Foreign Offset Wells
 - Foreign Laterals
 - Well Lateral_FM
 - Formation**
 - Genesee
 - Marcellus
 - Utica

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.



01/21/2022

4710303474

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Table with columns: UWI, ABAND_DATE, CURR_OPER, ELEV_BF_CD, FIELD_NAME, FINL_CLASS, LATITUDE, LONGITUDE, OPEL_NAME, ELEVATION, TOT_DEPTH. Contains well data for various fields like WALLACE-FOLSOM, SMITHFIELD, SALEM, etc.

01/21/2022

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50225000	SOUTH PENN OIL	UNKNOWN	UNCLASIFIED	39.4988390	-80.4880700	SOUTH PENN OIL	0.00
30959000	5/24/1974 PENNOCOL CO INC	UNCLASIFIED	UNCLASIFIED	39.5126510	-80.4730500	PENNOCOL CO INC	0.00
00810000	EQUITABLE PRODUCTION CO	UNCLASIFIED	UNCLASIFIED	39.5323200	-80.5211700	CARNEGIE NATURAL GAS CORP	0.00
31100000	4/17/1990 SOUTH PENN OIL	UNCLASIFIED	UNCLASIFIED	39.5358700	-80.4981900	SOUTH PENN OIL	0.00
70430000	SOUTH PENN OIL	UNCLASIFIED	UNCLASIFIED	39.5379100	-80.4959800	SOUTH PENN OIL	0.00
30960000	SOUTH PENN OIL	UNCLASIFIED	UNCLASIFIED	39.4969500	-80.4628100	SOUTH PENN OIL	0.00
72790000	UNKNOWN	UNCLASIFIED	UNCLASIFIED	39.5071500	-80.4717400	SOUTH PENN OIL	0.00
72800000	UNKNOWN	UNCLASIFIED	UNCLASIFIED	39.5435600	-80.4871800	UNKNOWN	0.00
72810000	UNKNOWN	UNCLASIFIED	UNCLASIFIED	39.5387400	-80.4800000	UNKNOWN	0.00
72820000	UNKNOWN	UNCLASIFIED	UNCLASIFIED	39.5389800	-80.4809500	UNKNOWN	0.00
72830000	UNKNOWN	UNCLASIFIED	UNCLASIFIED	39.5433700	-80.4928100	UNKNOWN	0.00
72840000	UNKNOWN	UNCLASIFIED	UNCLASIFIED	39.5374500	-80.4847800	UNKNOWN	0.00
72772000	UNKNOWN	UNCLASIFIED	UNCLASIFIED	39.5310200	-80.4819300	UNKNOWN	0.00
73140000	UNKNOWN	UNCLASIFIED	UNCLASIFIED	39.5433500	-80.4913500	UNKNOWN	0.00
73150000	UNKNOWN	UNCLASIFIED	UNCLASIFIED	39.5435600	-80.4913500	UNKNOWN	0.00
73160000	UNKNOWN	UNCLASIFIED	UNCLASIFIED	39.5074400	-80.4713600	UNKNOWN	0.00
73170000	UNKNOWN	UNCLASIFIED	UNCLASIFIED	39.5182900	-80.4748100	UNKNOWN	0.00
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73190000	UNKNOWN	UNCLASIFIED	UNCLASIFIED	39.5097350	-80.4744400	UNKNOWN	0.00
73200000	UNKNOWN	UNCLASIFIED	UNCLASIFIED	39.5442910	-80.5028070	UNKNOWN	0.00
72845000	UNKNOWN	UNCLASIFIED	UNCLASIFIED	39.5377800	-80.5009370	UNKNOWN	0.00
72850000	UNKNOWN	UNCLASIFIED	UNCLASIFIED	39.5172800	-80.5041210	UNKNOWN	0.00
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73165000	UNKNOWN	UNCLASIFIED	UNCLASIFIED	39.5294950	-80.5079400	UNKNOWN	0.00
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70740000	UNKNOWN	UNCLASIFIED	UNCLASIFIED	39.5034950	-80.4886900	UNKNOWN	0.00
70750000	UNKNOWN	UNCLASIFIED	UNCLASIFIED	39.5003020	-80.4886900	UNKNOWN	0.00
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70683000	SOUTH PENN OIL	UNCLASIFIED	UNCLASIFIED	39.4997100	-80.4853340	UNKNOWN	0.00
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70642000	UNKNOWN	UNCLASIFIED	UNCLASIFIED	39.5317970	-80.4961700	UNKNOWN	0.00
70643000	HOPE NATURAL GAS	UNCLASIFIED	UNCLASIFIED	39.5241050	-80.4894310	HOPE NATURAL GAS	0.00
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70667000	UNKNOWN	UNCLASIFIED	UNCLASIFIED	39.5048010	-80.4834970	UNKNOWN	0.00
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70669000	UNKNOWN	UNCLASIFIED	UNCLASIFIED	39.5021800	-80.4894300	UNKNOWN	0.00

01/21/2022

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Well ID	Well Name	Well Class	Field Name	Field	Operator	Completion Date	Well Status	Well Type	Well Depth (TV)	Elevation	Latitude	Longitude	Operator
70663000	UNKNOWN	UNKNOWN	UNNAMED	UNNAMED	4710303150000	EQT PRODUCTION CO	GR	UNKNOWN	0.00	1305.00	-80.51667150	-80.51667150	EQT PRODUCTION CO
70664000	UNKNOWN	UNKNOWN	UNNAMED	UNNAMED	4710303120000	EQT PRODUCTION CO	GR	UNKNOWN	0.00	1324.00	-80.51663300	-80.51663300	EQT PRODUCTION CO
70665000	UNKNOWN	UNKNOWN	UNNAMED	UNNAMED	4710303110000	EQT PRODUCTION CO	KB	UNKNOWN	0.00	1324.00	-80.51665110	-80.51665110	EQT PRODUCTION CO
70671000	UNKNOWN	UNKNOWN	UNNAMED	UNNAMED	4710303010000	EQT PRODUCTION CO	KB	UNKNOWN	0.00	935.00	-80.53749700	-80.53749700	EQT PRODUCTION CO
70810000	UNKNOWN	UNKNOWN	UNNAMED	UNNAMED	39.49815190	UNCLASIFIED	UNCLASIFIED	UNKNOWN	0.00	0.00	-80.46549500	-80.46549500	UNCLASIFIED
70815000	UNKNOWN	UNKNOWN	UNNAMED	UNNAMED	39.52497600	UNCLASIFIED	UNCLASIFIED	UNKNOWN	0.00	0.00	-80.46187600	-80.46187600	UNCLASIFIED
70840000	UNKNOWN	UNKNOWN	UNNAMED	UNNAMED	39.48447000	UNCLASIFIED	UNCLASIFIED	UNKNOWN	0.00	0.00	-80.46577600	-80.46577600	UNCLASIFIED
01361000	UNKNOWN	UNKNOWN	UNNAMED	UNNAMED	39.48603500	UNCLASIFIED	UNCLASIFIED	UNKNOWN	0.00	0.00	-80.46537600	-80.46537600	UNCLASIFIED
01362000	UNKNOWN	UNKNOWN	UNNAMED	UNNAMED	39.48603500	UNCLASIFIED	UNCLASIFIED	UNKNOWN	0.00	0.00	-80.46537600	-80.46537600	UNCLASIFIED
01370000	UNKNOWN	UNKNOWN	UNNAMED	UNNAMED	39.48603500	UNCLASIFIED	UNCLASIFIED	UNKNOWN	0.00	0.00	-80.46537600	-80.46537600	UNCLASIFIED
70871000	UNKNOWN	UNKNOWN	UNNAMED	UNNAMED	39.47721100	UNCLASIFIED	UNCLASIFIED	UNKNOWN	0.00	0.00	-80.46709600	-80.46709600	UNCLASIFIED
01382000	UNKNOWN	UNKNOWN	UNNAMED	UNNAMED	39.48142200	UNCLASIFIED	UNCLASIFIED	UNKNOWN	0.00	0.00	-80.46132500	-80.46132500	UNCLASIFIED
38970000	UNKNOWN	UNKNOWN	UNNAMED	UNNAMED	39.48941800	UNCLASIFIED	UNCLASIFIED	UNKNOWN	0.00	0.00	-80.46248200	-80.46248200	UNCLASIFIED

Wellbore

Well ID	Well Name	Well Class	Field Name	Field	Operator	Completion Date	Well Status	Well Type	Well Depth (TV)	Elevation	Latitude	Longitude	Operator
4710303150000	EQT PRODUCTION CO	GR	UNNAMED	UNNAMED	4710303150000	EQT PRODUCTION CO	GR	UNKNOWN	0.00	1305.00	-80.51667150	-80.51667150	EQT PRODUCTION CO
4710303120000	EQT PRODUCTION CO	GR	UNNAMED	UNNAMED	4710303120000	EQT PRODUCTION CO	GR	UNKNOWN	0.00	1324.00	-80.51663300	-80.51663300	EQT PRODUCTION CO
4710303110000	EQT PRODUCTION CO	KB	UNNAMED	UNNAMED	4710303110000	EQT PRODUCTION CO	KB	UNKNOWN	0.00	1324.00	-80.51665110	-80.51665110	EQT PRODUCTION CO
4710303010000	EQT PRODUCTION CO	KB	UNNAMED	UNNAMED	4710303010000	EQT PRODUCTION CO	KB	UNKNOWN	0.00	935.00	-80.53749700	-80.53749700	EQT PRODUCTION CO

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name EQT Production Company OP Code 306686

Watershed (HUC 10) Fishing Creek Quadrangle Glover Gap

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) John Zavatchan
Company Official Title Project Specialist - Permitting

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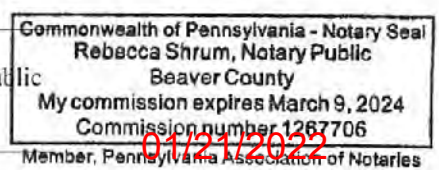
DEC 06 2021

WV Department of
Environmental Protection

Subscribed and sworn before me this 15th day of December, 2021

[Signature] Notary Public

My commission expires March 9, 2024



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 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.

EQT Production Company

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: Bryan Harris

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

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Office of Oil and Gas

DEC 06 2021

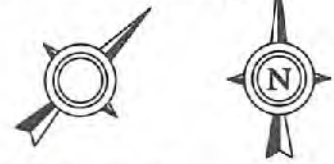
WV Department of
Environmental Protection

Title: Inspector

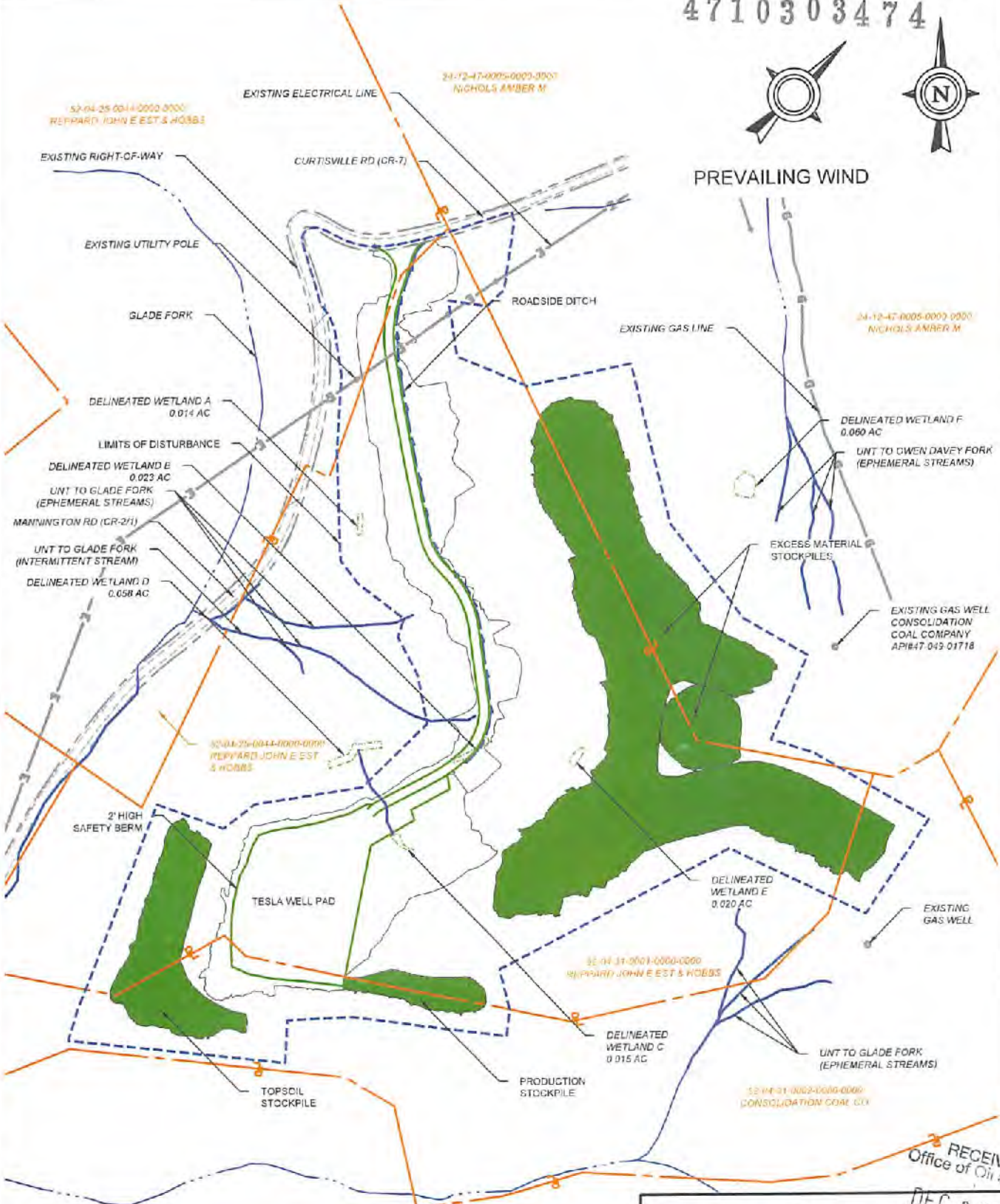
Date: 11/29/21

Field Reviewed? Yes No

4710303474



PREVAILING WIND



SCALE: 1:350 PLOTTED: 11/23/2021 12:00 PM FILE: X:\01 AND GAS\0120200704008 - TESLA (S-001442)\CAD\K DRIVE) - W\TO CLIENT\DWG\TESLA_WW-9 EXHIBIT.DWG

REFERENCES UNITED STATES GEOLOGICAL SURVEY - GLOVER GAP QUADRANGLE, WEST VIRGINIA, 7.5 MINUTE SERIES



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WV Department of Environmental Protection

WW-9 EXHIBIT
made for **Enviro**
EQT PRODUCTION COMPANY
TESLA WELL SITE
WETZEL & MARION COUNTY,
WEST VIRGINIA
prepared by
DIEFFENBAUCH & HRITZ, LLC
1095 Chaplin Rd Suite 200, Morgantown, WV 26501
Phone: 304-985-5555 Fax: 304-985-5557

01/21/2022

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 Athers 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

4710303474

Topo Quad: Glover Gap

Scale: 1"=1000'

County: Wetzel

Date: August 31, 2021

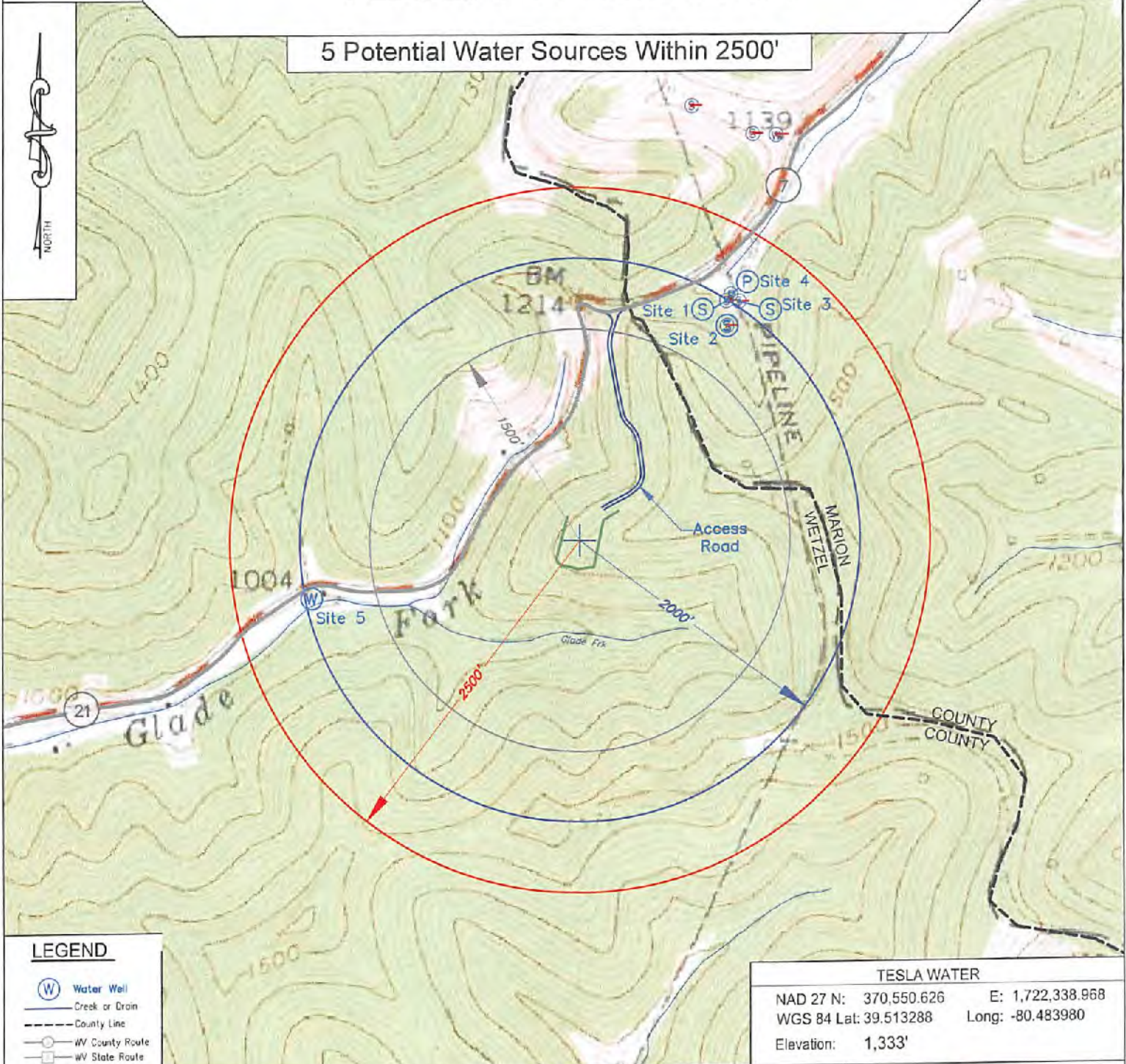
District: Grant

Project NO: 4710303474

TESLA WELL PAD

Water

5 Potential Water Sources Within 2500'



LEGEND

- Water Well
- Creek or Drain
- County Line
- WV County Route
- WV State Route

TESLA WATER

NAD 27 N: 370,550.626 E: 1,722,338.968
 WGS 84 Lat: 39.513288 Long: -80.483980
 Elevation: 1,333'



Keystone Consultants, LLC
 32 East Main Street
 Carnegie, PA 15106
 412 278-2100

Prepared For:
EQT Production Company
 400 Woodcliff Drive
 Canonsburg, PA 15317



01/21/2022



SITE SAFETY AND ENVIRONMENTAL PLAN

Tesla Well Pad

Grant

Wetzel County, WV

Wells: Tesla 1H, 3H, 5H, 7H, 9H, 11H, 13H, 15H, 17H

Prepared By: Donny Prater, CSP, Health and Safety Sciences, LLC

Approved By: Scott M. Held, Senior Safety Coordinator

Created Date: 14-Apr-21

John F. Zavatchan Jr.

John Zavatchan
Project Specialist - Permitting
EQT Production Company

Bryan Harris 11/29/21

Bryan Harris
Oil and Gas Inspector
West Virginia DEP

01/21/2022

Topo Quad: Glover Gap

Scale: 1"=1000'

County: Wetzel

Date: August 31, 2021

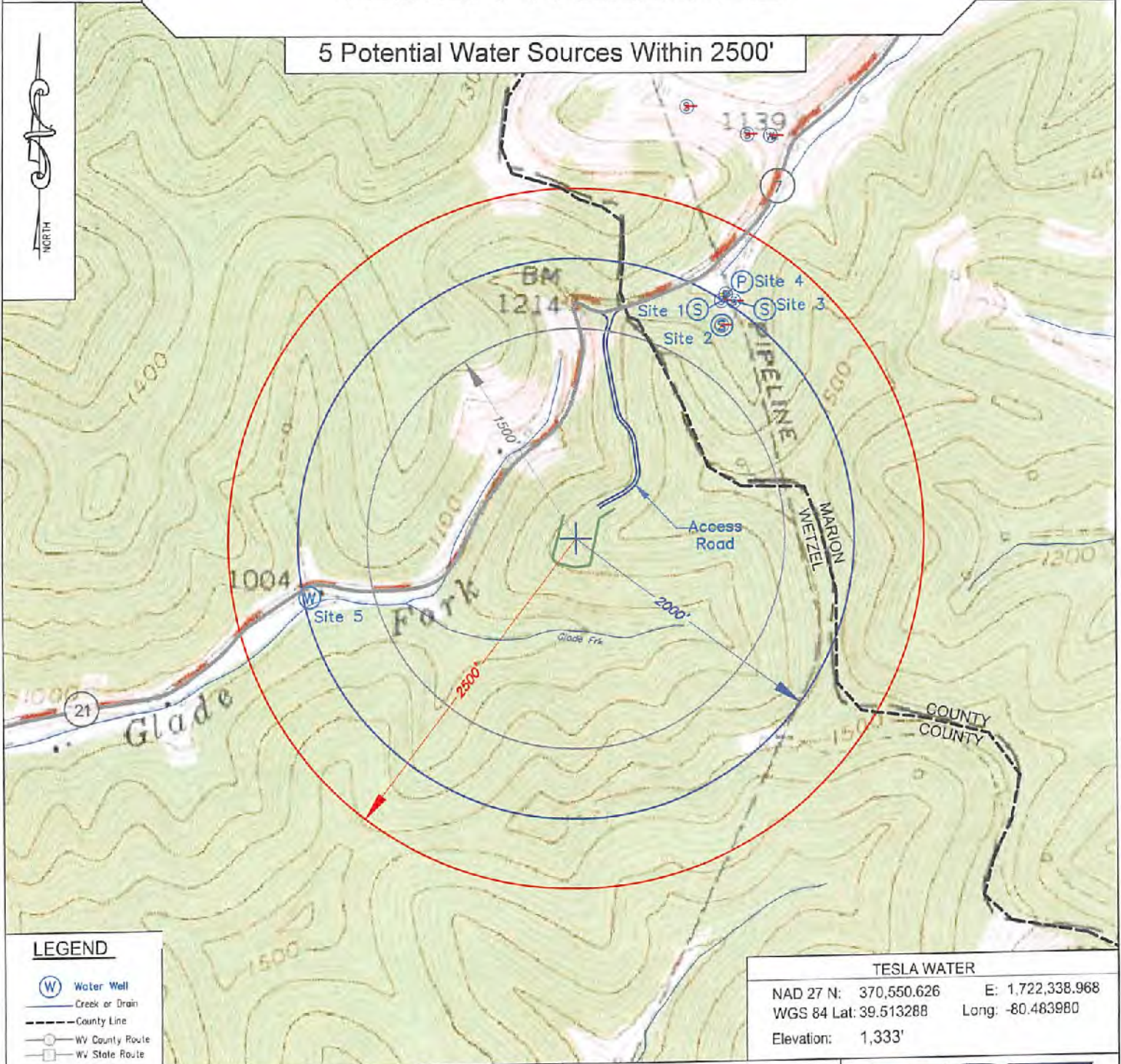
District: Grant

Project NO: 4710303474

TESLA WELL PAD

Water

5 Potential Water Sources Within 2500'



LEGEND

- Water Well
- Creek or Drain
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- WV State Route

TESLA WATER

NAD 27 N: 370,550.626 E: 1,722,338.968
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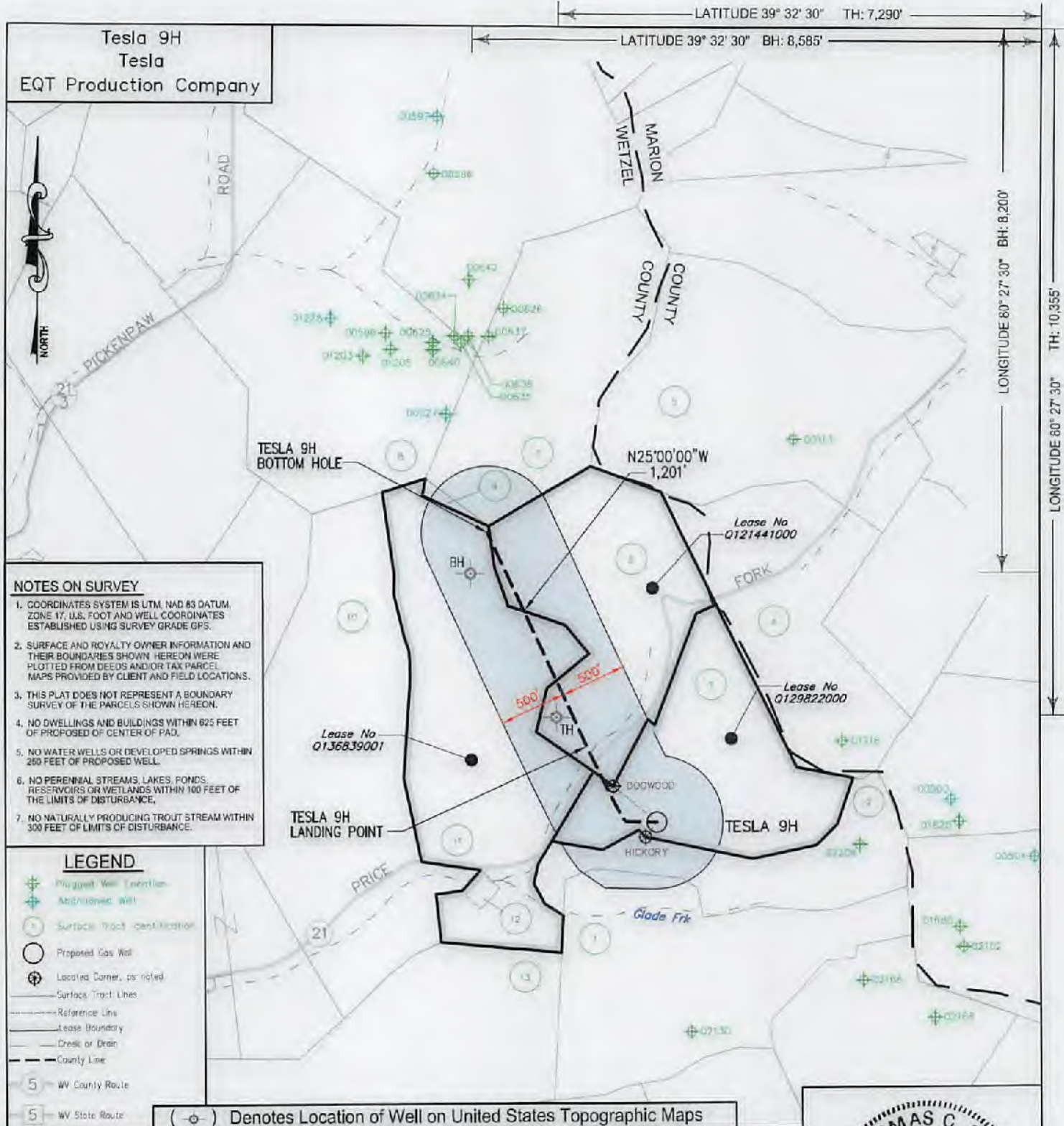
Keystone Consultants, LLC
 32 East Main Street
 Carnegie, PA 15106
 412 278-2100

Prepared For:
 EQT Production Company
 400 Woodcliff Drive
 Canonsburg, PA 15317



EQT PRODUCTION COMPANY
 400 WOODCLIFF DRIVE
 CANONSBURG, PA 15317

01/21/2022



NOTES ON SURVEY

- COORDINATES SYSTEM IS LTM, NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
- SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND FIELD LOCATIONS.
- THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
- NO DWELLINGS AND BUILDINGS WITHIN 625 FEET OF PROPOSED OF CENTER OF PAD.
- NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.
- NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
- NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.

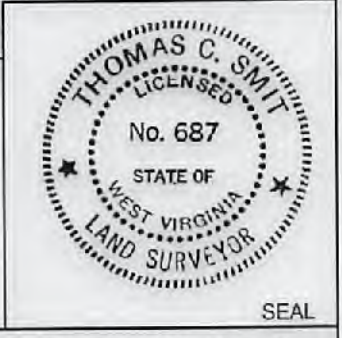
- LEGEND**
- Plugged Well Location
 - Abandoned Well
 - Surface Tract Identification
 - Proposed Gas Well
 - Located Corner, as noted
 - Surface Tract Lines
 - Reference Line
 - Lease Boundary
 - Creek or Drain
 - County Line
 - WV County Route
 - WV State Route

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



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

Thomas C. Smit
L. L. S. 687



FILE NO: _____
DRAWING NO: _____
SCALE: 1" = 1000'
MINIMUM DEGREE OF ACCURACY: 1:2500
PROVEN SOURCE OF ELEVATION: SG-GPS (OPUS)



DATE: DECEMBER 20 20 21
OPERATORS WELL NO: Tesla 9H
API WELL NO: 47 - 103 - 03474
STATE COUNTY PERMIT

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

LOCATION ELEVATION: 1333' WATERSHED: Fishing Creek QUADRANGLE: Glover Gap

DISTRICT: Grant COUNTY: Wetzel

SURFACE OWNER: Mike Ross Inc. & EQT Production Company ACREAGE: 47.3 ±
ROYALTY OWNER: William M. Peterson, Jr., et al. LEASE NO: Q129822000 ACREAGE: 4.564 ±

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY)

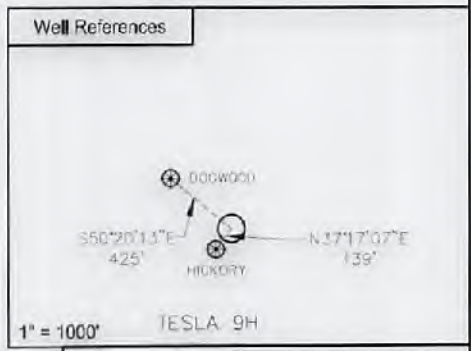
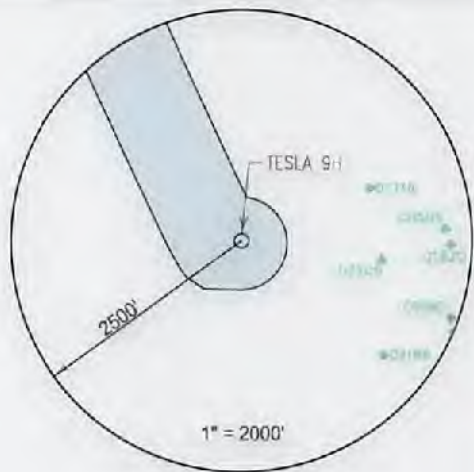
PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: 7,644'

WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Joseph C Mallow
ADDRESS: 400 Woodcliff Drive ADDRESS: 115 Professional Place PO Box 280
Canonsburg, PA 15317 Bridgeport, WV 26330

Tesla 9H
Tesla
EQT Production Company

Tract ID	Tax Map No.	Parcel No.	County	District	Surface Tract Owner	Acres
1	31	2.2	Wetzel	Grant	H.L. Smith EST	26.00
2	31	2.0	Wetzel	Grant	Consolidation Coal Company	29.00
3	31	1.0	Wetzel	Grant	Mike Ross Inc. & EQT Production Company	47.30
4	47	12.0	Marion	Mannington	Amber M. Nichols	73.75
5	47	12.0	Marion	Mannington	George B & Cynthia Kovach	75.56
6	25	44.0	Wetzel	Grant	John E. Reppard EST & Mike Ross Inc.	52.00
7	25	40.0	Wetzel	Grant	Rosie Lee & Walter B. Smith	57.50
8	25	39.0	Wetzel	Grant	Rosie Lee & Walter B. Smith	74.00
9	25	45.0	Wetzel	Grant	Rosie Lee & Walter B. Smith	0.54
10	30	12.0	Wetzel	Grant	Joseph Rex Smith	92.12
11	30	13.0	Wetzel	Grant	Lee Brooks & Lisa Kay Brown	75.00
12	30	37.0	Wetzel	Grant	Jimmy D & Lynn Sharon Myers	1.00
13	30	38.0	Wetzel	Grant	Dalison Lumber INC	137.80

Lease	Owner	Acres
Q129822000	William M. Peterson, Jr., et al.	4,564
Q121441000	Stone Hill Mineral Holdings, LLC	14,054.30
Q136839001	Brooks Lee Brown and Lisa Kay Brown, et al.	74.05625



Notes:
 TESLA 9H coordinates are
 NAD 27 N: 370,534,316 E: 1,722,282,473
 NAD 27 Lat: 39.513157 Long: -80.484367
 NAD 83 UTM N: 4,373,861,055 E: 544,341,434

TESLA 9H Landing Point coordinates are
 NAD 27 N: 371,104,079 E: 1,721,755,706
 NAD 27 Lat: 39.514705 Long: -80.486253
 NAD 83 UTM N: 4,374,031,969 E: 544,178,363

TESLA 9H Bottom Hole coordinates are
 NAD 27 N: 372,703,870 E: 1,721,010,638
 NAD 27 Lat: 39.519075 Long: -80.488959
 NAD 83 UTM N: 4,374,515,577 E: 543,942,953

West Virginia Coordinates 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.

- TESLA PAD**
- TESLA 17H ○
 - TESLA 15H ○ ○ TESLA 16H
 - TESLA 13H ○ ○ TESLA 14H
 - TESLA 11H ○ ○ TESLA 12H
 - TESLA 9H ○ ○ TESLA 10H
 - TESLA 7H ○ ○ TESLA 8H
 - TESLA 5H ○ ○ TESLA 6H
 - TESLA 3H ○ ○ TESLA 4H
 - TESLA 1H ○ ○ TESLA 2H



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.

Thomas C. Smit
L. L. S. 687



FILE NO: _____
 DRAWING NO: _____
 SCALE: 1" = 1000'
 MINIMUM DEGREE OF ACCURACY: 1:2500
 PROVEN SOURCE OF ELEVATION: NGS CORS Station



DATE: DECEMBER 20 20 21
 OPERATORS WELL NO: Tesla 9H
 API WELL NO: 47 - 103 - 03474
 STATE COUNTY PERMIT

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

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 DISTRICT: Grant COUNTY: Wetzel

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 ROYALTY OWNER: William M. Peterson, Jr., et al. LEASE NO: Q129822000 ACREAGE: 4,564 ±

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY)

PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: 7,644'

WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Joseph C Mallow
 ADDRESS: 400 Woodcliff Drive ADDRESS: 115 Professional Place PO Box 280
 Canonsburg, PA 15317 Bridgeport, WV 26330

01/21/2022

**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 Attachment				

**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

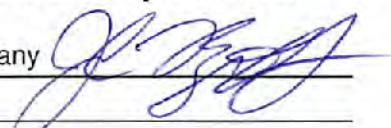
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WV Department of
Environmental Protection

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

Well Operator: EQT Production Company

By: John Zavatchan 

Its: Project Specialist - Permitting

Lease No.	Grantor, Lessor, etc.	Acres	Grantee, Lessee, etc.	Royalty	Book/Page
	<u>William M. Peterson, Jr., et al.</u>			*at least 1/8th per WV Code 22-6-8*	
<u>Q129822000</u>	B. Walker Peterson and Nannie M. Peterson, his wife South Penn Oil Company South Penn Natural Gas Company South Penn Oil Company Pennzoil Company Pennzoil United, Inc. Pennzoil Company Pennzoil Company Pennzoil Products Company Cobham Gas Industries, Inc., et al Cobham Gas Industries, Inc., et al Trans Energy, Inc. Trans Energy, Inc., Prima Oil Company, Inc. Trans Energy, Inc., Prima Oil Company, Inc., American Shale Development, Inc. Republic Partners VI, LP Trans Energy, Inc. Trans Energy, Inc., Prima Oil Company, Inc., American Shale Development, Inc. Prima Oil Company Trans Energy, Inc. Republic Energy Ventures, LLC and Republic partners, VIII, LLC Prima Oil Company American Shale Development, Inc.	4,564 ac	South Penn Oil Company South Penn Natural Gas Company South Penn Oil Company Pennzoil Company Pennzoil United, Inc. Pennzoil Company Pennzoil Products Company Pennzoil Products Company Cobham Gas Industries, Inc. Prima Oil Company, Inc., a wholly owned subsidiary of Trans Energy, Inc. Prima Oil Company, Inc., a wholly owned subsidiary of Trans Energy, Inc. Republic Partners VI, LP Republic Partners VI, LP Republic Energy Ventures, LLC Republic Energy Ventures, LLC Republic Energy Ventures, LLC Trans Energy, Inc. American Shale Development, Inc. EQT Production Company American Shale Development, Inc. EQT Production Company		DB 35/588 OG 33A/455 DB 215/478 WV SOS DB 246/491 WV SOS DB 319/397 DB 322/577 OG 76A/704 OG 84A/112 & 121A/830 OG 87A/190 OG 98A/512 OG 111A/942 OG 136A/784 OG 112A/549 OG 120A/737 OG 136A/777 OG 130A/150 OG 130A/196 OG 179A/281 WV SOS DB 464/353
	<u>Stone Hill Mineral Holdings, LLC</u>			*at least 1/8th per WV Code 22-6-8*	
<u>Q121441000</u>	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Antero Exchange Properties Antero Resources Corporation	14,054.30 ac	SWN Production Company, LLC Antero Exchange Properties Antero Resources Corporation EQT Production Company		OG 157A/634 OG 177A/533 Corp. 13/311 OG 231A/59
	<u>Brooks Lee Brown and Lisa Kay Brown, et al.</u>			*at least 1/8th per WV Code 22-6-8*	
<u>Q136839001</u>	Brooks Lee Brown and Lisa Kay Brown, husband and wife Antero Resources Corporation	74.05625 ac	Antero Resources Corporation EQT Production Company		OG 190A/408 OG 231A/59

*WV SOS indicates a record of M&A or Name Change is on file with the WV Secretary of State

4710303474



4710808474

EQT PRODUCTION COMPANY
400 Woodcliff Drive | Canonsburg, PA 15317

December 1, 2021

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

Re: Tesla gH Gas Well
Grant District, Wetzel 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, appearing to read 'J. Zavatchan'.

John Zavatchan
Project Specialist - Permitting

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WV Department of
Environmental Protection

01/21/2022

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

Date of Notice Certification: 12/01/2021

API No. 47- _____ - _____
Operator's Well No. 9H
Well Pad Name: Tesla

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>544341.434</u>
County: <u>Wetzel</u>	Northing: <u>4373861.055</u>
District: <u>Grant</u>	Public Road Access: <u>CR-21</u>
Quadrangle: <u>Glover Gap</u>	Generally used farm name: <u>Tesla (Mike Ross Inc & EQT Production Company)</u>
Watershed: <u>Fishing 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.

<p>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:</p> <p>*PLEASE CHECK ALL THAT APPLY</p> <p><input type="checkbox"/> 1. NOTICE OF SEISMIC ACTIVITY or <input checked="" type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED</p> <p><input type="checkbox"/> 2. NOTICE OF ENTRY FOR PLAT SURVEY or <input checked="" type="checkbox"/> NO PLAT SURVEY WAS CONDUCTED</p> <p><input checked="" type="checkbox"/> 3. NOTICE OF INTENT TO DRILL or <input type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or</p> <p style="padding-left: 100px;"><input type="checkbox"/> WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)</p> <p><input checked="" type="checkbox"/> 4. NOTICE OF PLANNED OPERATION</p> <p><input checked="" type="checkbox"/> 5. PUBLIC NOTICE</p> <p><input checked="" type="checkbox"/> 6. NOTICE OF APPLICATION</p>	<p>OOG OFFICE USE ONLY</p> <p><input type="checkbox"/> RECEIVED/ NOT REQUIRED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input checked="" type="checkbox"/> RECEIVED/ NOT REQUIRED</p> <p><input checked="" type="checkbox"/> RECEIVED</p> <p><input checked="" type="checkbox"/> RECEIVED</p> <p><input checked="" type="checkbox"/> RECEIVED</p>
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Office of Oil and Gas
DEC 06 2021
WV Department of
Environmental Protection

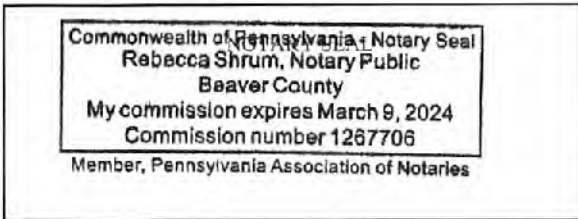
Required Attachments:

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.

Certification of Notice is hereby given:

THEREFORE, I John Zavatchan, 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:	<u>EQT Production Company</u>	Address:	<u>400 Woodcliff Drive</u>
By:	<u>John Zavatchan</u>		<u>Canonsburg, PA 15317</u>
Its:	<u>Project Specialist - Permitting</u>	Facsimile:	<u>412-395-2974</u>
Telephone:	<u>724-746-9073</u>	Email:	<u>jzavatchan@eqt.com</u>



Subscribed and sworn before me this 1st day of December, 2021.

Rebecca Shrum Notary Public

My Commission Expires March 9, 2024

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.

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WV Department of
Environmental Protection

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: 12/1/2021 **Date Permit Application Filed:** 12/2/2021

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: N/A
Address: _____

OPERATOR OF ANY NATURAL GAS STORAGE FIELD
Name: _____
Address: _____

*Please attach additional forms if necessary

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Office of Oil and Gas
DEC 06 2021
WV Department of
Environmental Protection

RECEIVED API NO. 47- -
Office of Oil and Gas OPERATOR WELL NO. 9H
DEC 06 2021 Well Pad Name: Tesla
4710303474

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(d), 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 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/ml-and-gas/pages/default.aspx.

Well Location Restrictions

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

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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.

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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 57th St. SE
Charleston, WV 25304
(304) 926-0450

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

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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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WV Department of
Environmental Protection

WW-6A
(8-13)

API NO. 47- _____ - _____
OPERATOR WELL NO. 9H
Well Pad Name: Tesla

Notice is hereby given by:

Well Operator: EQT Production Company
Telephone: 724-746-9073
Email: jzavatchan@eqt.com

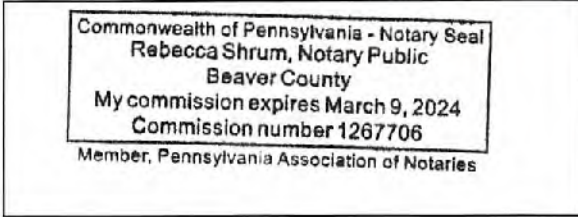


4710303474

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.



Subscribed and sworn before me this 1st day of December 2021.

Rebecca Shrum Notary Public

My Commission Expires March 9, 2024

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Surface Owners (All Disturbance):

Amber M Nichols ✓
49 Penny Lane
Mannington, WV 26582
12-47-5

Mike Ross Inc. ✓
P.O. Box 219
Coalton, WV 26257
04-25-44 & 04-31-1

EQT Production Company ✓
625 Liberty Ave, Suite 1700
Pittsburgh, PA 15222
04-25-44 & 04-31-1

CNX Land Resources ✓
1000 Consol Energy Drive, Suite 400
Canonsburg, PA 15317
04-31-2

Coal Owners

WPP LLC ✓
5260 Irwin Road
Huntington, WV 25727-3247

Mike Ross, Inc. ✓
P.O. Box 219
Coalton, WV 26257

John D Reppard ✓
2340 Powell St
Emeryville, CA 94608

Coal Operator

ACNR Resources, Inc ✓
46226 National Road
St. Clairsville, OH 43950

Water Supply Owners Within 1,500'

None

Topo Quad: Glover Gap

Scale: 1"=1000'

County: Wetzel

Date: August 31, 2021

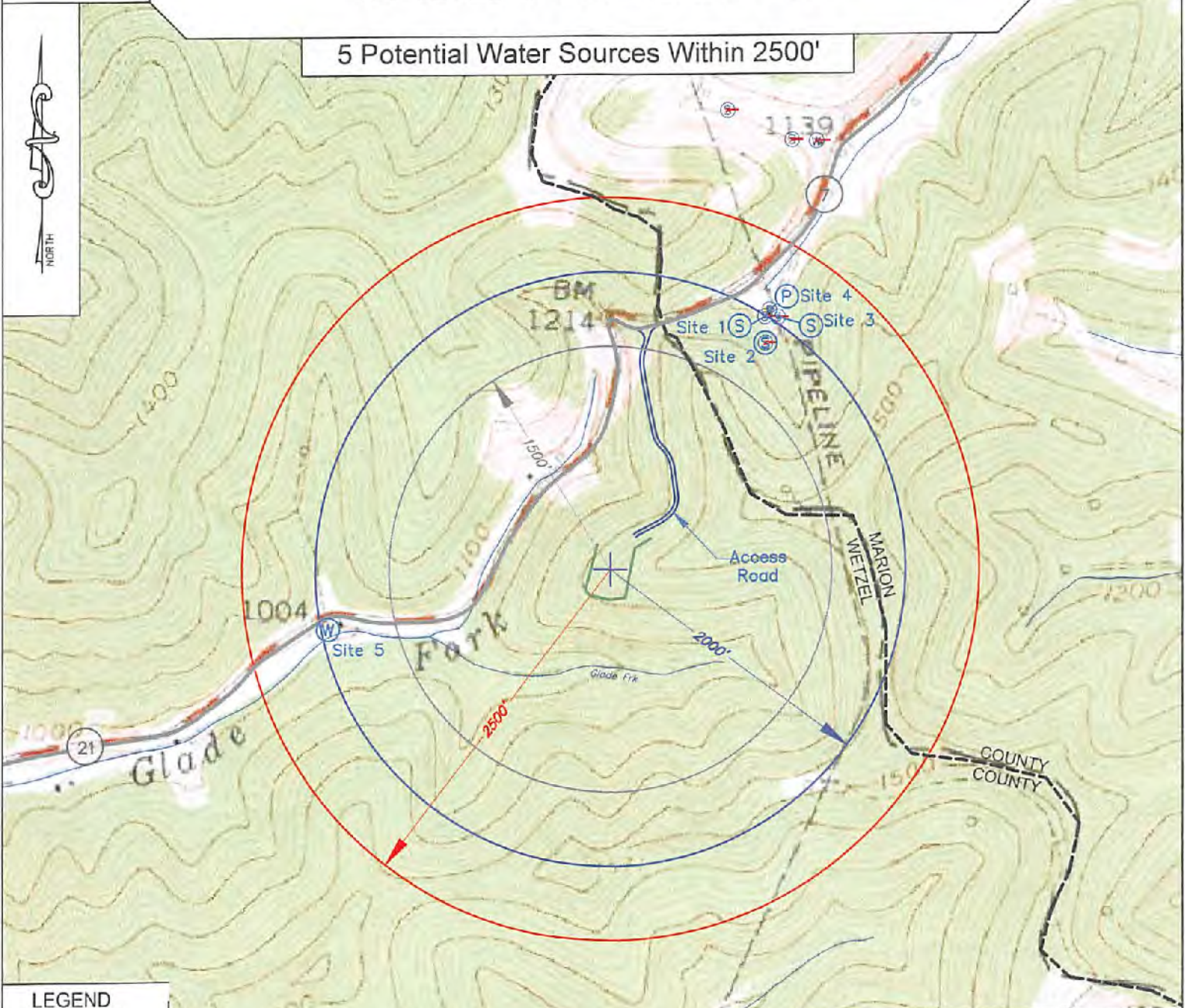
District: Grant

Project NO: 4710303474

TESLA WELL PAD

Water

5 Potential Water Sources Within 2500'



LEGEND

- Water Well
- Creek or Drain
- County Line
- WV County Route
- WV State Route

TESLA WATER

NAD 27 N: 370,550.626 E: 1,722,338.968
 WGS 84 Lat: 39.513288 Long: -80.483980
 Elevation: 1,333'



Keystone Consultants, LLC
 32 East Main Street
 Carnegie, PA 15106
 412 278-2100

Prepared For:
 EQT Production Company
 400 Woodcliff Drive
 Canonsburg, PA 15317



EQT PRODUCTION COMPANY
 400 WOODCLIFF DRIVE
 CANONSBURG, PA 15317

01/21/2022

4710303474

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: 11/20/2021 **Date Permit Application Filed:** 12/2/2021

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: See Attachment Name: _____
Address: _____ 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: 544341.434
County: Wetzel Northing: 4373861.055
District: Grant Public Road Access: CR-21
Quadrangle: Glover Gap Generally used farm name: Tesla (Mike Ross Inc & EQT Production Company)
Watershed: Fishing 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 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Notice is hereby given by:

Well Operator: EQT Production Company
Address: 400 Woodcliff Drive
Canonsburg, PA 15317
Telephone: 724-746-9073
Email: jzavatchan@eqt.com
Facsimile: 412-395-2974

Authorized Representative: John Zavatchan
Address: 400 Woodcliff Drive
Canonsburg, PA 15317
Telephone: 724-746-9073
Email: JZavatchan@eqt.com
Facsimile: 412-395-2974

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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.

01/21/2022

4710303474

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

WAIVER

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.

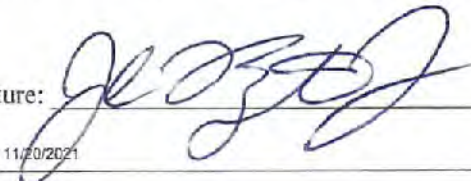
Surface Owner Waiver:

I, John Zavatchan, hereby state that I have read the notice provisions listed above and hereby waive the notice requirements under West Virginia Code § 22-6A-16(b) for the tract of land as follows:

State: West Virginia
County: Wetzel
District: Grant
Quadrangle: Glover Gap
Watershed: Fishing Creek

UTM NAD 83 Easting: 544341.434
Northing: 4373861.055
Public Road Access: CR21
Generally used farm name: Tesla (Mike Ross Inc & EQT Production Company)

Name: John Zavatchan
Address: 400 Woodcliff Drive
Caronsburg, PA 15317

Signature: 
Date: 11/20/2021

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.

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STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
VOLUNTARY STATEMENT OF NO OBJECTION

Instructions to Persons Named on Page WW-6A

The well operator named on page WW-6A is applying for a permit from the State of West Virginia to conduct oil or gas well work. Well work permits are valid for twenty-four (24) months. Please contact the listed well operator and the Office of Oil and Gas if you do not own any interest in the listed surface tract.

Comment and Waiver Provisions

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.

Pursuant to West Virginia Code § 22-6A-8(b) No permit may be issued less than thirty days after the filing date of the application for any well work except plugging or replugging; and no permit for plugging or replugging may be issued less than five days after the filing date of the application except a permit for plugging or replugging a dry hole: *Provided*, That if the applicant certifies that all persons entitled to notice of the application under the provisions of subsection (b), section ten of this article have been served in person or by certified mail, return receipt requested, with a copy of the well work application, including the erosion and sediment control plan, if required, and the well plat, and further files written statements of no objection by all such persons, the secretary may issue the well work permit at any time.

VOLUNTARY STATEMENT OF NO OBJECTION

I, John Zavatchan, hereby state that I have read the Instructions to Persons Named on Page WW-6A and the associated provisions listed above, and that I have received copies of a Notice of Application, an Application for a Well Work Permit on Form WW-6A and attachments consisting of pages one (1) through _____, including the erosion and sediment control plan, if required, and the well plat, all for proposed well work on the tract of land as follows:

State:	<u>West Virginia</u>	UTM NAD 83	Easting:	<u>544341.434</u>
County:	<u>Wetzel</u>		Northing:	<u>4373861.055</u>
District:	<u>Grant</u>	Public Road Access:		<u>CR21</u>
Quadrangle:	<u>Glover Gap</u>	Generally used farm name:		<u>Tesla</u>
Watershed:	<u>Fishing Creek</u>			

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

<p>*Please check the box that applies</p> <p><input checked="" type="checkbox"/> SURFACE OWNER</p> <p><input checked="" type="checkbox"/> SURFACE OWNER (Road and/or Other Disturbance)</p> <p><input type="checkbox"/> SURFACE OWNER (Impoundments/Pits)</p> <p><input type="checkbox"/> COAL OWNER OR LESSEE</p> <p><input type="checkbox"/> COAL OPERATOR</p> <p><input type="checkbox"/> WATER PURVEYOR</p> <p><input type="checkbox"/> OPERATOR OF ANY NATURAL GAS STORAGE FIELD</p>	<p>FOR EXECUTION BY A NATURAL PERSON RECEIVED Office of Oil and Gas</p> <p>Signature: _____ Print Name: _____ Date: _____</p> <p style="text-align: right;">DEC 06 2021</p> <p style="text-align: right;">WV Department of Environmental Protection</p> <p>FOR EXECUTION BY A CORPORATION, ETC.</p> <p>Company: <u>EQT Production Company</u></p> <p>By: <u>John Zavatchan</u></p> <p>Its: <u>PROJECT SPECIALIST - PERMITTING</u></p> <p>Signature: _____ Date: <u>11/30/21</u></p>
---	--

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.



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WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

1900 Kanawha Boulevard East • Building Five • Room 110
Charleston, West Virginia 25305-0430 • (304) 558-3505

D. Alan Reed, P.E.
State Highway Engineer

Jimmy Wriston, P. E.
Secretary of Transportation
Commissioner of Highways

October 7, 2021

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

Subject: DOH Permit for the Tesla Pad, Wetzel County
Tesla 9H Well Site

Dear Mr. Martin,

This well site will be accessed from a DOH permit #06-2021-0389 which has been issued to EQT Production Company for access to the State Road for a well site located off Wetzel County Route 21 SLS MP 5.22.

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 October 1, 2018. This letter is valid for permitting purposes for one year from the date of this letter.

Very Truly Yours,

Gary K. Clayton, P.E.
Regional Maintenance Engineer
Central Office O&G Coordinator

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WV Department of
Environmental Protection

Cc: Becky Shrum
EQT Production Company
CH, OM, D-6
File

01/21/2022

**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 ((NH ₄)Cl)	12125-02-9
	Biocide	Glutaraldehyde
Scale Control	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
Acid Chelating Agent	Non-hazardous substances	Proprietary
	Citric Acid	77-92-9
Corrosion Inhibitor	Methanol	67-56-1
	pyridinium, 1-(phenylmethyl)-, ethyl methyl derivs., chlorides	68909-18-2
	Nonoxynol-9	127087-87-0
	2-ethyl-1-hexanol	104-76-7
	4-nonylphenyl, ethoxylated	26027-38-3

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