

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 www.dep.wv.gov

Wednesday, October 14, 2020 WELL WORK PERMIT Horizontal 6A / New Drill

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

Re: Permit approval for ELLIOTT 13H

47-049-02504-00-00

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: ELLIOTT 13H

Farm Name: CONSOLIDATION COAL CO

U.S. WELL NUMBER: 47-049-02504-00-00 Horizontal 6A New Drill

Date Issued: 10/14/2020

PERMIT CONDITIONS

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

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.

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.



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: July 30, 2020 ORDER NO.: 2020-W-3

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:

- 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.
- 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.
- On June 17, 2020 EQT submitted a well work permit application identified as API# 47-049-02498. The proposed well is to be located on the Elliot Pad in the Mannington District of Marion County, West Virginia.
- On June 17, 2020 EQT requested a waiver for Wetlands 1 and 2 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# 47-049-02498.

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 Wetlands 1 and 2 from well location restriction requirements in W. Va. Code §22-6A-12(b) for the well work permit application identified as API# 47-049-02498. The Office of Oil and Gas hereby **ORDERS** that EQT shall meet the following site construction and operational requirements for the Elliot 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. Wetlands 1 and 2 shall be protected by a layer of Super Silt Fence. The manifold pad will be graded so that no runoff will not leave the pad. 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.

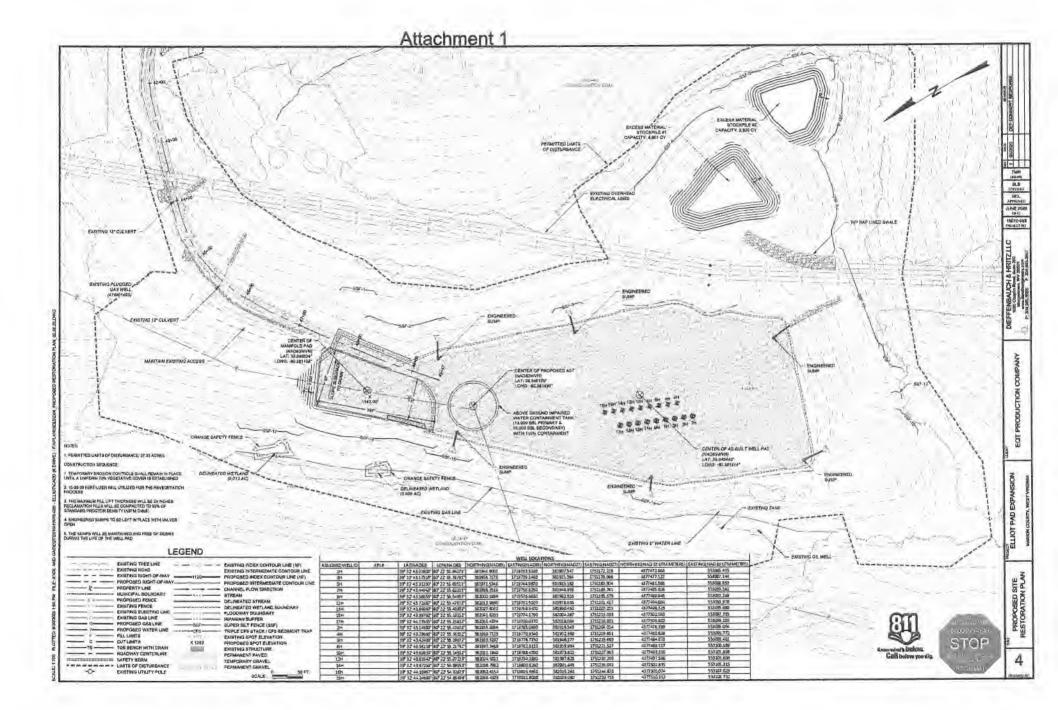
Thus ORDERED, the 30th day of July, 2020.

IN THE NAME OF THE STATE OF WEST VIRGINIA:

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

By: James Martin Digitally signed by James Martin Date: 2020.07.30 10:04:36-04'00'

JAMES A. MARTIN, CHIEF



API NO. 42 70 4 9 0 2 5 4 4

OPERATOR WELL NO. 13H

Well Pad Name: Elliott

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

1) Well Operator: EQT Produ	ction Company	306686	Marion	Mannington	Glover Gap
		Operator ID	County	District	Quadrangle
2) Operator's Well Number: 13	Н	Well I	Pad Name: Elli	ott	
3) Farm Name/Surface Owner:	Consolidation Coal Co	ompany Public R	load Access: C	R 5	
4) Elevation, current ground:	1,343' (pad built) E]	evation, propose	ed post-constru	ction: 1,343'	
5) Well Type (a) Gas X Other	Oil	Uı	nderground Sto	rage	
(b)If Gas Sha	allow X	Deep			SDW
6) Existing Pad: Yes or No Yes					SD00 8/13/2020
7) Proposed Target Formation(s Marcellus, 7,770', 101', 2593), Depth(s), Antic	ipated Thicknes	s and Expected	Pressure(s):	
8) Proposed Total Vertical Dept	h: 7,770'				
9) Formation at Total Vertical D					
10) Proposed Total Measured D	epth: 13,472'				
11) Proposed Horizontal Leg Le	ength: 4,997'				
12) Approximate Fresh Water S	trata Depths:	202', 287'			
13) Method to Determine Fresh	Water Depths:	Offset Wells - 47	7-049-02251, 4	7-049-00878	il .
14) Approximate Saltwater Dep	ths: 1,797', 1,89	5', 2412'			
15) Approximate Coal Seam De	pths: 435'-437',	870'-875', 967'-	975'		
16) Approximate Depth to Possi			mara 22 25		
17) Does Proposed well location directly overlying or adjacent to		ms Yes	1	No X	
(a) If Yes, provide Mine Info:	Name:				
	Depth:				
	Seam:				Office of Olivery
	Owner:				AUG 2.7 2020

WW-6B	
(04/15)	

API NO. 47-____OPERATOR WELL NO. 13H
Well Pad Name: Elliott

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	60 ft^3 / CTS
Fresh Water	13 3/8	New	J-55	54.5	1025	1025	900 ft^3 / CTS
Coal							
Intermediate	9 5/8	New	A-500	40	2485	2485	1000 ft^3 / CTS
Production	5 1/2	New	P-110	20	13472	13472	500' above intermediate casing
Tubing							
Liners							

8/13/2020 SDEV

ТҮРЕ	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	<u>Cement</u> <u>Yield</u> (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	0.395	3950	3160	Class A / Type 1	1.13 - 1.19
Production	5 1/2	8 1/2	0.361	14360	11488	Class A/H	1.04 - 2.098
Tubing							
Liners							

PACKERS

= 3
Of

AUG 2 7 2020

19) Describe proposed we	ell work, including	the drilling and	plugging back of a	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): 27.35 Acres
- 22) Area to be disturbed for well pad only, less access road (acres): 10.47 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.

Surface.

Production: Perform a cleanup cycle by pumping 3-8 bottoms up or until the shakers are cleaned heek volume of cuttings coming across the shakers every 15 minutes.

AUG 27 2020

^{*}Note: Attach additional sheets as needed.



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

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.

James Peterson

Environmental Resources Specialist / Permitting

Promoting a healthy environment.

Office of Oil and Gas

AUG 27 2020



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
- 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.

Promoting a healthy environment.

Office of Oil and Gas

AUG 2 7 2020

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

Office of Oil and Gas

AUG 2 7 2020



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

August 13, 2020

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

Re: Casing on Elliott 13H

Dear Mr. Brewer,

The 13-3/8" surface casing will be set at 1,025' KB, 50' below the deepest workable coal seam and 738' below the deepest fresh water. The 9-5/8" intermediate string will be set at 2,485' 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,

John Zavatchan

Project Specialist - Permitting

Enc.

Office of Oil and Gas

AUG 2 7 2020

WEST VIRGINIA GEOLOGICAL PROGNOSIS

Horizontal Well ELLIOT (GLO187)

v 2017.4 Enertia # #N/A

Drilling Objectives: MARCELLUS County:

Marion Quad: Glover Gap

1355 KB Elevation: Recommended Azimuth Degrees 1342 GL TVD: 7770

ESTIMATED FORMATION TOPS from wells 4704902251, 4704900878 Formation Top (TVD) Base (TVD) Lithology Top RR Base RR Comments Fresh Water Zone FW @ 202,287... No redrock listed in offsets Coal 435 437 Coal 875 Coal Sewickley 870 975 Coal Pittsburgh 967 Big Lime 2182 2308 Limestone SW @ 1797,1895.2412. Big Injun 2308 2435 Sandstone Int. csg pt 2485 3007 Sandstone Gas shows @ 2412,2932,3026,3085,3164,3360,4755, , Berea 2583 Gantz 3007 3026 Silty Sand Outside of Storage 3114 3128 Silty Sand 50ft Bayard 3254 3624 Silty Sand 5742 6135 Silty Sand Alexander Elks 6135 7166 Gray Shales and Silts Sonyea 7166 7373 Gray shale Middlesex 7373 7437 Shale Genesee 7437 7545 with black shale 7582 Black Shale 7545 Geneseo 7582 7613 Limestone Tully 7719 calcareous shales Hamilton 7613 Marcellus 7719 7820 Black Shale 7787 Limestone Purcell 7785 7770 -Lateral Zone 7803 Limestone 7801 Cherry Valley

Limestone

Target Thickness	101 feet	
Max Anticipated Rock Pressure	2593 PSI	

Onondaga

Note that this is a TVD prog for a horizontal well (azimuth of degrees; target formation = MARCELLUS). All measurements taken from estimated KB elevation. Water and coal information estimated from surrounding well data.

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

LATERAL DRILLING TOLERANCES

Deviate as little as possible to the left or right of the planned wellbore. Mapview - Lateral: DO NOT EXTEND beyond recommended wellbore to avoid leaseline. Mapview - TD:

7820

RECOMMENDED CASING POINTS

Fresh Water/Coal	CSG QD	13 3/8	CSG DEPTH:	1025	50' below Pittsburgh
Intermediate 1:	CSG OD	9 5/8	CSG DEPTH:	2485	Beneath the Big Injun formation
Production:	CSG OD	5 1/2	CSG DEPTH: @	⊕ TD	

Office of Oil and Gas

AUG 2 7 2020

Wellbord Diagram 2 5 V 4 **EQT Production** Elliot 13H Well: County: Marion Pad: **Elliot** State: West Virginia Elevation: 1342' GL 1355' KB Conductor @ 40' 26", 85.6#, A-500, cement to surface w/ Class A **Surface** @ 1,025' 13-3/8", 54.5#, J-55, cement to surface w/ Class A/Type I Intermediate 2,485' @ 9-5/8", 40#, A-500, cement to surface w/ Class A/Type I 13,472' MD / 7,770' TVD Production @ 5-1/2", 20#, P-110, cement to 500' inside 9-5/8" w/ Class A/H RECEIVED
Office of Oil and Gas Formation: Marcellus AUG 27 2020 WV Department of Environmental Protection **NOT TO SCALE**

EQT Production

Hydraulic Fracturing Monitoring Plan

Pad ID: Elliott

County: Marion

June 11, 2020

RECEIVED Office of Oil and Gas

AUG 27 2020

WV Department of Protection

Purpose

The purpose of this pad-specific Hydraulic Fracturing Monitoring Plan is to identify and notify conventional well operators near EQT hydraulic fracturing in Marion County, WV prior to hydraulic fracturing at the following EQT wells on the Elliott 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:

- Inspect their surface equipment prior to fracturing to establish integrity and establish prefrac 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

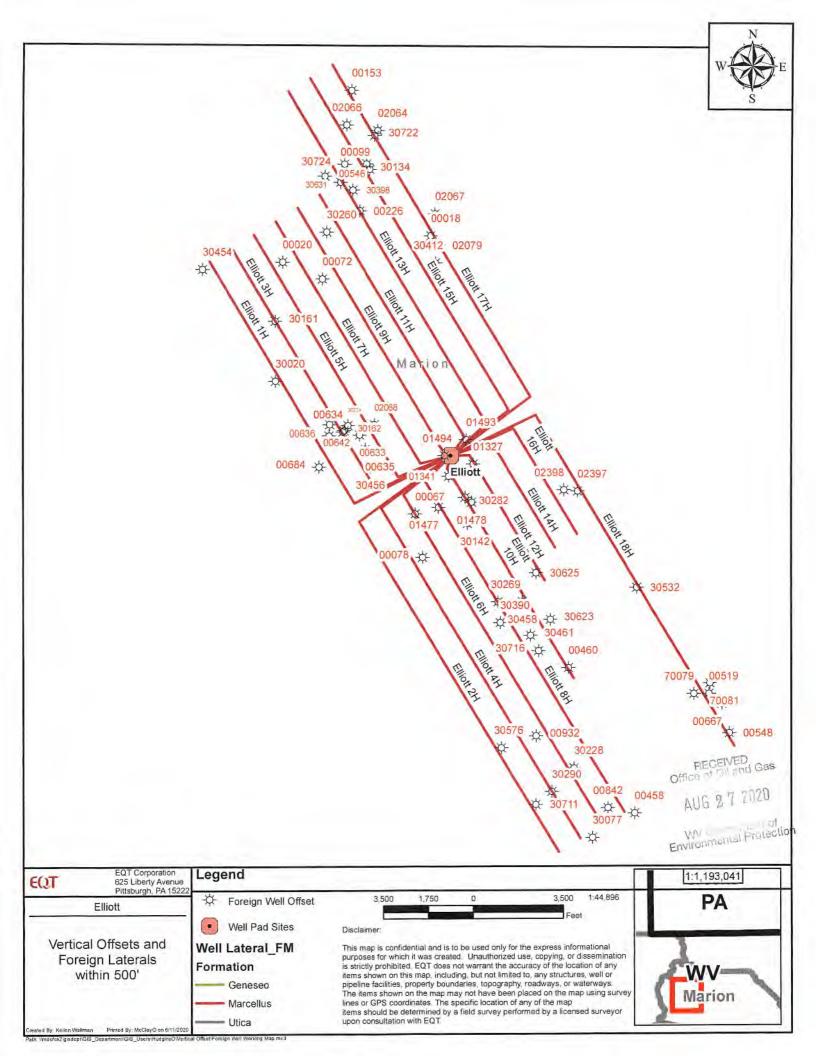
EQT will provide information relating to the hydraulic fracturing schedule, communication with other operators, and ongoing monitoring of the work upon request of OOG or immediately in the event of any noted abnormalities.

RECEIVED Gas**

GEO OF OH ON A GAS

AUG 27 2020

Page 2 85 2 artment of Environmental Protection



Total Depth	00000	3300.000	2812.0000	3454.0000	3394.0000	3620.0000	3021 0000	2238,0000	3133.0000	2080.0000	3105.0000	2129.0000	2883.0000	08.0000	73,0000	22 0000	36,000	55 0000	77 0000	2036.0000	08.0000	5010.0000	3360.0000	3361.0000	3190.0000	3431.0000	3350,0000	17,0000	80.0000	95.0000	16.0000	33.0000	1299.0000	1694.0000	3300.0000	2107.0000	3315.0000	3179.0000	2772.0000	2885.0000	295.0000	3447.0000	3094.0000	3254,0000	2775,0000	2880,0000	3258.0000	3036.0000	3008.0000	2848.0000	2831.0000	2935.0000	2874.0000	3017.0000	2860.0000	3023 0000	3057.0000	1985 0000	0000 66666	3146,000	2631,0000	2984,0000	0.000									
<u>م</u>							-1904.0000 30				-1745.0000 31			2	99999.0000 101073.0000	9499 0000 1016	0101 0000.000	-1755.0000 3055.0000	0000 222101 0000 66666-	-885,0000 20	H	-3908.0000 50			-2093.0000 31		-2039.0000 33	-99999.0000 101117.0000	2101 0000.6666	-99999.0000 101195.0000	1101 0000.6666	9999.0000 1012	-106.0000 12								-1//3.0000 29												-1/21.0000 28						•													
DatumEleva TotalDepth-SS					1197.0000				_	_	1360.0000	_	_	_								1102.0000	1090.0000	1177.0000	1097.0000			_	_	_	_	_	_	_							1485 0000	_	_	_									- 0000 EEC						٩													
TargetFm	39.366/	39.3660	39.5391	39.5642	39.5345	39.3730	39.5714	39.5070	39.5226	39.5197	39.5751	39.5155	39.5476	39.5479	39.5461	39.5475	39.5487	39.5186	39.5442	39.5076	39.5154	39.5444	39.5431	39.5398	39.5403	39.5470	39.5453	39.5800	39.5806	39.5710	39.5487	39.5677	39.5414	39.5416	39.5533	39.5044	39.5764	39.5381	39.5597	39.3401 30 5.486	39 5119	39.5692	39.5297	39.5408	39.5095	39.5275	39.5736	39.5658	39.5653	39.5442	39.5297	39.5261	39.5311	39.5.142	39.5278	39 5744	39.5081	39.5244	39.5794	39.5764	39.5197	39,5208										
de Latitude	-80.4052	-80.4053	-80.3872	-80.3998	-80.3862	200.3932	-80.3946	-80.3572	-80.3662	-80.3468	-80.3994	-80.3440	-80.3948	-80.3971	-80.3940	-80.3990	-80.3989	-80.3450	-80.4004	-80.3609	-80.3707	-80.3791	-80.3825	-80.3840	-80.3794	-80.3801	-80.3831	-80.3921	-80.3964	-80.3842	-80.3927	-80.3837	-80.3648	-80.3666	-80.4064	-80.3631	-80.3936	-80.3800	-80.4064	-80.3969	-80.3964	-80.3992	-80.3758	-80.3803	-80.3686	-80.3756	-80.3956	-80.3842	-80.4164	-80.3933	-80.3725	-80.3714	-80.356/	-80.3730	-80 3706	-80.3972	-80.3708	-80.3703	-80.3925	-80.3967	-80.3489	-80.3467										
Longitude																																																																								
Operator	SIN ELLIOIT	ESHENBAUGH OIL & GAS	S N ELLIOTT	ESHENBAUGH OIL & GAS	S N ELLIOI I	PENNZOIL	M N CORE!	PENNZOIL	PENNZOIL	PENNZOIL	PENNZOIL	PENNZOIL	CONSOL	CONSOL	CONSOL	CONSOI	CONSOL	G L & R O BEATY	CONSOL	ROSS & WHARTON	CLOWSER	RJAL	RJAL	FALCON HOLDINGS	50F/309F/GDN/4: FALCON HOLDINGS	FALCON HOLDINGS	FALCON HOLDINGS	CONSOLIDATION COAL	CONSOLIDATION COAL	CONSOLIDATION COAL	CONSOLIDATION COAL	CONSOLIDATION COAL	CONSOL ENERGY	CONSOL ENERGY		SOUTH PENN	MANUFACTURERS L & H	OPER IN MIN.OWN	ESHENBAUGH O&G	WILLIAM MOSES	WILLIAM MOSES	MANUFACTURERS L & H	SOUTH PENN	HOPE NAT GAS	SOUTH PENN	SOUTH PENN	HOPE NAT GAS	CARNEGIE NAT GAS	INTERSTATE P&S	INTERSTATE P&S	INTERSTATE P&S	INTERSTATE P&S	KAAD SUPPLY	OPER IN MIN OWN	RAAD SLIPPLY	RAAD SLIPPLY	RAAD SUPPLY	RAAD SUPPLY	OPER IN MIN.OWN	OPER IN MIN.OWN	BURTOIL	HARTMAN OIL										
RemarksPRO									4SD		30F	BNI										SSDRLY	GDN5SD	SOF30FGDN	50F/309F/GDN/45	50F	30F/GDN/4SD																																													
																																																													P	٩Ľ	J (ì	2	7	1	20	121			
Permit	00000	07000	29000	00072	8/000	65000	00238	00458	00460	00519	00546	00548	00633	00634	00635	92900	00642	00667	00684	00842	00932	01327	01341	01477	01478	01493	01494	02064	02066	02067	02068	02029	02397	02398	30020	30077	30134	30142	30161	20105	30224	30260	30269	30282	30290	30390	30398	30412	30454	30456	30458	30461	30532	30578	30625	30631	30711	30716	30722	100 P	18 97	Age Series	J bn	D) III	ep 1el	pa' nti	al	Pr	r.i	(e)	 C;	1
FmatTD																																																																								
date	0561/17/71	9/26/1933	1/14/1937	11/6/1937	11/30/1937	18/1941	2/15/194/	8/1/1993	7/10/1925	2/13/1996	2/25/1918	4/1/1995	2/22/1937					1/1/1990	i	9/17/1991		10/4/2001	10/12/2001	3/25/2004	3/16/2004	6/14/2004	4/28/2004						5/14/2015	5/18/2015							7001/2/9	6/23/1919	5/31/1920	3/11/1914	11/14/1918	10/30/1926	9/8/1917	3/25/1927				10001010	4/9/189/	10/5/1894	9/10/1894	5/22/1918	8/25/1894	7/17/1894	7/31/1909	7/19/1918												
WellStatus	ONE CONTRACT	UNK	GAS-P	GAS-P	GAS-P	UKY	GAS-F	N N	GAS	CINK	110	16	DRY	ONK C	N/N	N.	INK	GAS	INK	, NA	ONK	UNK	UNK	GAS	GAS	P&A	UNK	NN	NN	UNK	UNK	ONK	D&A	D&A	GAS	011 GS	086	NO II	5 6	5	ONK Selection	GAS	8 8	GAS	011.65	OIL GS	GAS	OIL GS	0&G	Ы	OIL GS	OIL GS	OIL GS	5 5	3 5 8	j 5	6 E	6	I N	į =	; ;	i ii	ŧ									
WellID	4/04900018	4704900020	4704900067	4704900072	4704900078	4704900099	4704900153	4704900458	4704900460	4704900519	4704900546	4704900548	4704900633	4704900634	4704900635	4704900536	4704900642	4704900667	4704900684	4704900847	4704900932	4704901327	4704901341	4704901477	4704901478	4704901493	4704901494	4704902064	4704902066	4704902067	4704902068	4704902079	4704902397	4704902398	4704930020	4704930077	4704930134	4704930142	4704930161	4/04930162	4704930224	4704930260	4704930269	4704930282	4704930290	4704930390	4704930398	4704930412	4704930454	4704930456	4704930458	4704930461	4704930532	4704930576	4704930525	4704930621	4704930711	4704930716	4704930722	4704930724	4704970079	4704970081	1000101011									

API Number 47 -	-
Operator's Well No.	Elliott 13H

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) Tributary of Dents Run 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
Company Official (Typed Name) John Zavatchan Company Official Title Project Specialist - Permitting Office of Oil and Gar
AUG 2 7 2020
0. +1/1
Subscribed and sworn before me this day of August . 20 20 WV Department of Environmental Protect
My commission expires October 25, 2023 Notary Public Commonwealth of Pennsylvania - Notary Sea Olivia Pishioneri, Notary Public Allegheny County My commission expires October 25, 2023 Commission number 1359968 Member, Pennsylvania Association of Notaries

Operator's Well No. Elliott 13H

Proposed Revegetation Trea	ntment: Acres Disturbed No	additional disturbance Prevegetation pl	1
Lime 3	Tons/acre or to correct	to pH 6.5	
Fertilizer type Gra	anular 10-20-20		
Fertilizer amount	1/3	lbs/acre	
Mulch_ 2	1	Γons/acre	
		Seed Mixtures	
T	emporary	Perma	nent
Seed Type	lbs/acre	Seed Type	lbs/acre
KY-31	40	Orchard Grass	15
Alsike Clover	5	Alsike Clover	5
Annual Rye	15		
provided). If water from the acreage, of the land applicat	pit will be land applied, inclu	application (unless engineered plans included the dimensions (L x W x D) of the pit, and	
Maps(s) of road, location, porovided). If water from the acreage, of the land applicate Photocopied section of invo	pit will be land applied, incluion area lved 7.5' topographic sheet.	ide dimensions (L x W x D) of the pit, and	dimensions (L x W
Maps(s) of road, location, porovided). If water from the acreage, of the land applicate Photocopied section of invortional Plan Approved by: Comments: Pre-seed	pit will be land applied, incluion area Ived 7.5' topographic sheet. / What will be land applied, incluion area /mulch all disturbed	d areas as soon as reasona	ably possible
Maps(s) of road, location, porovided). If water from the acreage, of the land applicate Photocopied section of invortional Plan Approved by: Comments: Pre-seed	pit will be land applied, incluion area Ived 7.5' topographic sheet. / What will be land applied, incluion area /mulch all disturbed	ide dimensions (L x W x D) of the pit, and	ably possible

AUG 2 7 2020

WW-9 Attachment

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

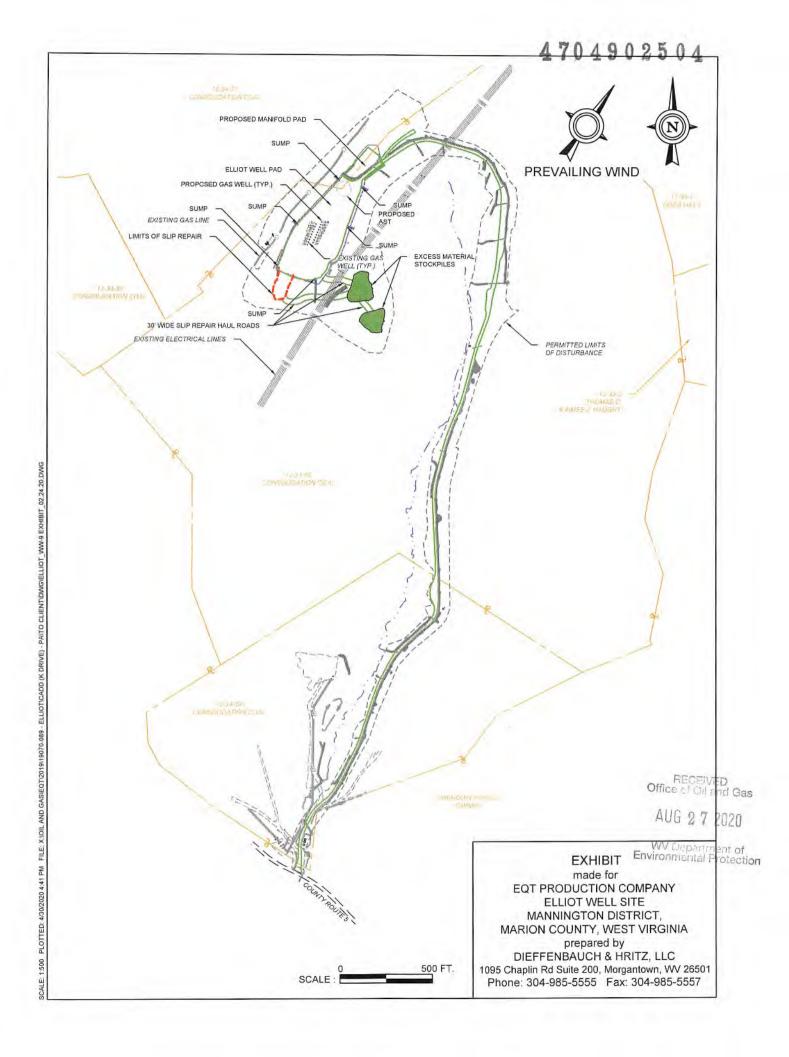
 Air is used to drill the top-hole sections of the wellbore (surface, intermediate, and pilot). Water based mud may be necessary depending on hole conditions to stabilize and drill the intermediate section. The pilot hole, curve, and lateral sections will be drilled with either air, water based mud, or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

RECEIVED
Office of Oil and Gas

AUG 27 2020



400	
-	
j	
	46
	~ **
	~
	0
	704
	લ ⊅
	6
	٤٠
	15 m

			Production Water Plan						
Offsite Disposals for Unconventional Wells Facility Name Address Address 2 City State Zip Phone County State Permit Number									
	Address	Address 2	City	State	Zip	Phone 2505	County	State	Permit Number
CWS Trucking Inc.	P.O. Box 391		Williamstown	wv	26187	740-516-3586	Noble	ОН	3390
Duned Street Francis II C	27 West Bread Street	Cuito 1100	Columbus	ОН	42215	740 516 5301	Machinesta	ОН	9463
Broad Street Energy LLC	37 West Broad Street	Suite 1100	Columbus	UH	43215	740-516-5381	wasningoth	UH	8462
LAD Liquid Assets Disposal Inc.	226 Rankin Road		Washington	PA	15301	724-350-2760	Ohio	wv	USEPA WV 0014
LAD Elquiu Assets Disposal IIIC.	220 Kalikili Koau		washington	FA	13301	724-330-2760	Onio	1000	03EPA WV 0014
Triad Energy	PO Box 430		Reno	ОН	45773	740-516-6021	Noble	ОН	4037
Triad Chergy	FO BOX 430		itelio	1011	43//3	740-310-0021	IAODIE	On	4037
				+	+	740-374-2340		<u> </u>	
Tri County Waste Water Management, Inc.	1487 Toms Run Road		Holbrook	PA	15341	724-627-7178	Greene	PA	TC-1009
The County Waste Water Wallagement, me.	1407 TOTAL MAN NOW		THE ISLAND	+	1233 12	724-499-5647	- Creene	†``	10 1005
				+-	┼──	724 433 3047			
King Excavating Co. Advance Waste Services	101 River Park Drive		New Castle	PA	16101	-	Lawrence	PA	PAR000029132
and a record and a second and a second as	, 202 Miles Fall College			 	120202	 	2411.01100	1	7711000023232
Waste Management - Meadowfill Landfill	Rt. 2, Box 68 Dawson Drive		Bridgeport	wv	16330	304-326-6027	Harrison	wv	SWF-1032-98
								1	Approval #100785WV
					1			<u> </u>	The second secon
Waste Management - Northwestern Landfill	512 E. Dry Road		Parkersburg	wv	26104	304-428-0602	Wood	wv	SWF-1025 WV-0109400
	·		<u> </u>		1			†	
APEX Landfill	11 County Road 78	PO Box 57	Amsterdam	ОН	43903	740-543-4389	Jefferson	ОН	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
	· · · · · · · · · · · · · · · · · · ·				1				
Austin Master Services	801 North 1st Street		Martins Ferry	ОН	43935	740-609-3800	Belmont	ОН	2014-541
Belmont Solids Control	77505 Cadiz-New Athers Road		Cadiz	ОН	43907	740-942-1739	Harrison	ОН	2015-511
Diversified Resources	3111 Braun Rd.		Belpre	ОН	45714	740-401-0413	Washington	ОН	
			ļ			740-610-1512			34-031-27177
			Coshocton	ОН	43812	724-591-4393	l	он	34-031-27178
Buckeye Brine	23986 Airport Road					724-331-4333	Coshocton		34-031-27241
Central Environmental Services	28333 West Belpre Pike		Coolville	ОН	45723	304-488-0701	Athens	ОН	
Nuverra - Nichols	10555 Veto Road		Belpre	ОН	45714	330-232-5041	Washington	ОН	34-119-2-8776
Nuverra - Goff	9350 East Pike Road		Norwich	ОН	43767	330-232-5041	Muskingum	ОН	34-167-2-3862
					<u> </u>				
Nuverra - Wolf	5480 State Route 5		Newton Falls	ОН	44444	330-232-5041	Trumbull	ОН	34-155-2-1893
			<u> </u>		-	 	<u> </u>	Ļ	
Nuverra - Pander	5310 State Route 5		Newton Falls	ОН	44444	330-232-5041	Trumbull	ОН	34-155-2-3795
viry A ff				- 	1	 	<u> </u>	I	
Nuverra - AnnaRock 18-15 C C	3549 Warner Road		Fowler	ОН	44418	330-232-5041	Trumbull	ОН	34-155-2-2403
				Щ		1	L		
RECEIVED of Oil and Gas 3 2 7 2020 Department of mental Protection									
and Ga 2020 Protec			•						
iec 20 @									
otic as									
¥									

40
70
4
60
C/S
S
4

<u></u>			T		740-374-2940	[T	
		Reno	он	45773	412-443-4397		Он	·
FQ Helen	199 Bowersock Road		ł		740-236-2135	Washington	1	34-167-2-9577
			<u> </u>					
				1	740-374-2940			
		Dexter City	ОН	45727	412-443-4397		он	34-121-24037
FQ Dexter	38505 Marietta Rd.			l	740-236-2135	Noble		34-121-24086
	1				740-374-2940			
•		Ellenboro	wv	26346	412-443-4397		wv	
FQ Ritchie	122 Lonesome Pine Rd				740-236-2135	Ritchie		47-085-09721
					740-374-2940		1	34-105-2-3619
		Portland	ОН	45770	412-443-4397		ОН	34-105-2-3652
	F0540 T0 D L T05				740-236-2135		İ	34-105-2-3637
FQ Mills	53610 TS Rd 706			 		Meigs	 -	34-105-2-3651
				1				
Petta Enterprises - OH	745 North 3rd Street	Cambridge	ОН	43725	614-477-1368	Guernsey	ОН	Ohio Chiefs Order 25-019
Petta Enterprises - WV	38 Technology Dr.	Tridelphia	W۷	26059	740-255-5727	Ohio	wv	
Deep Rock Disposal	2341 OH-821	Marietta	ОН	45750	304-629-0176	Washington	ОН	34-167-2-9766



SITE SAFETY AND ENVIRONMENTAL PLAN

Elliot (GLO 187) Well Pad wells 1H, 3H, 5H, 7H, 9H, 11H, 13H, 15H, 17H

Marion County, WV

Prepared By: Scott M. Held, CSP, EQT Corporation- Senior Safety Coordinator
Approved By: Scott M. Held, CSP, EQT Corporation- Senior Safety Coordinator

Created Date: 22-Apr-20

John Zavatehan

Project Specialist

EQT Production Company

Sam Ward

Oil and Gas Inspector West Virginia DEP

SDW

8/15/2020

REGEIVED Office of Oil and Gas

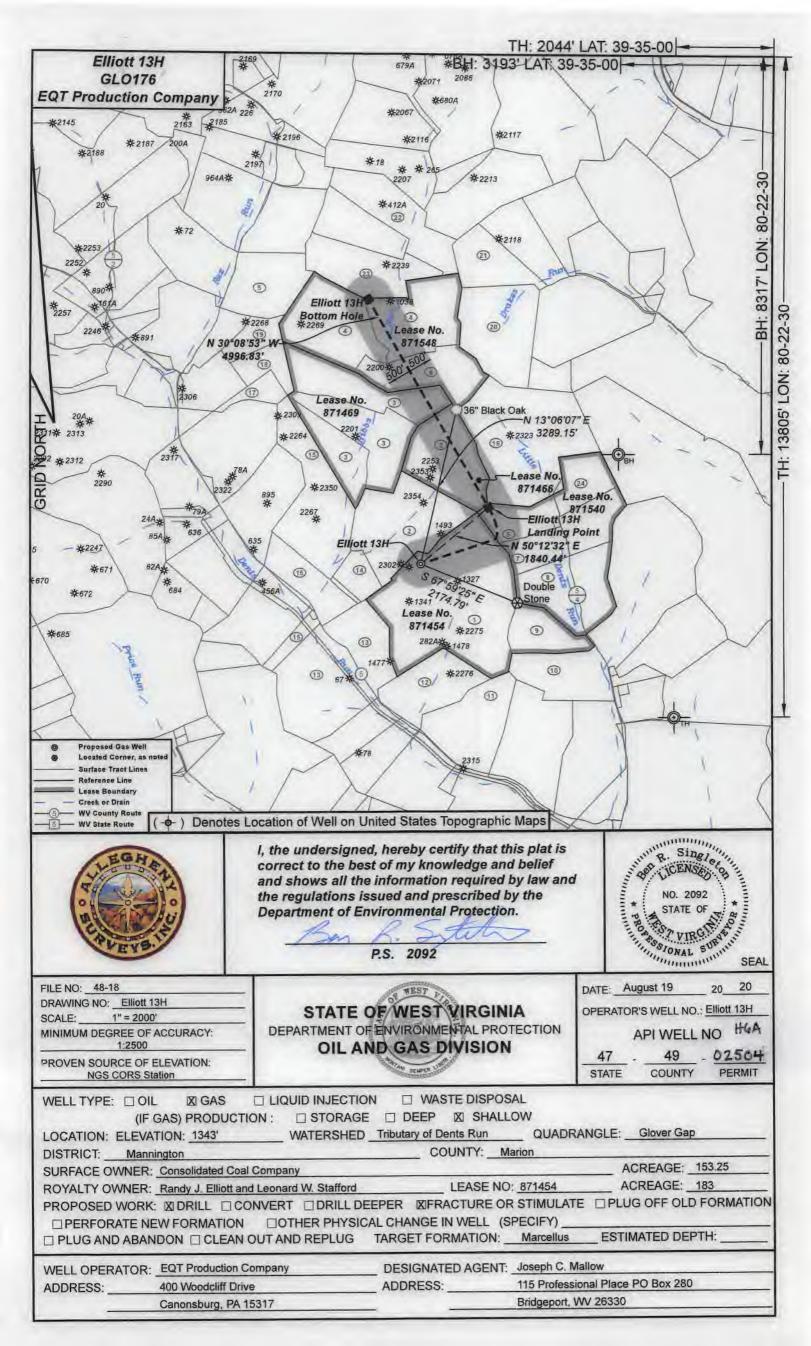
AUG 2 7 2021

Canonsburg, PA 15317

Topo Quad: Glover Gap 1" = 1000" Scale: Marion County: December 17, 2019 Date: Mannington - 12 District: Project No: 48-18-M-18 Water **ELLIOTT PAD** No Potential Water Sources within 2500' Alna Dom 2500 entenary NAD 27, North Zone LEGEND N:381937.27 Red Symbol - Declined Sampling E:1751215.33 Blue Symbol - Requested Sampling / Unable to Contact Access Road WGS 84 Well LAT:39.545371 Spring Pond LONG:-80.382026 Building ELEV:1,343 SURVEYING AND MAPPING SERVICES PERFORMED BY: PREPARED FOR: **EQT Production Company** ALLEGHENY SURVEYS, INC. 1-800-482-8606 2400 Ansys Drive, Suite 200 237 Birch River Road

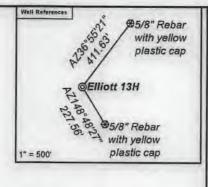
Birch River, WV 26610

PH: (304) 649-8606 FAX: (304) 649-8608



Elliott 13H GLO176 EQT Production Company

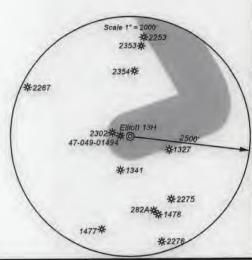
Tract LD	Tax Map No.	Parcel No.	County	District	Surface Tract Owner	Acres
- 1:	34	40	Marion	Mannington	Consolidation Cost Company	153.25
2	34	37	Marion	Mannington	Consolidation Coal Company	133,3
3	38	20	Marion	Mannington	Consolidation Coal Company	131.1
4	36	21	Marion	Mannington	Consolidation Coal Company	169.4
5	36	11	Marion	Mannington	Fredrick E. & Deborah S. Litey	46.25
6	34	49	Marion	Mannington	Dennis M. & Lisa A. Hayes	24.78
7	34	47	Marion	Mannington	Edward F Price	23.00
8	-33	1	Marion	Mannington	Thomas D. & Aimee J. Haught	106.8
9	34	40.1	Marion	Mannington	Raymond F. & Betty J. Fluharty	29,75
10	34	45	Marion	Mannington	City of Mannington	42.50
11	34	41	Marion	Mannington	Consolidation Coal Company	47.00
12	34	39	Marion	Mannington	Consolidation Coal Company	42.75
13	34	33	Marion	Mannington	Consolidation Coal Company	134.0
14	34	38	Marion	Mannington	Consolidation Coal Company	17.00
15	34	36	Marion	Mannington	Consolidation Coal Company	120.00
16	32	11	Marion	Mannington	Consolidation Coal Company	115.00
17	36	14	Marion	Mannington	Mark A. & Carrie A. Hendershot	11.04
18	36	13	Marion	Mannington	Mark A. & Carrie A. Hendershot	16.20
19	36	12	Marion	Mannington	Mark A. & Carrie A. Hendershot	15.20
20	32	12	Marion	Mannington	James K. & Rose K. Haugh	78.21
21	32	13	Marion	Mannington	Susenne A. & Charles W. Given	33.40
22	36	24	Marion	Mannington	CNX Land LLC	47,68
23	36	22	Marion	Mannington	Consolidation Coal Company	50.87
24	33	1	Marion	Mannington	Thomas D. & Aimee J. Haught	106.82



meridian. UTM coordinates are NAD83, Zone 17, Meters.

Elliott | Elliott 17H@ |
Elliott 17H@ |
Elliott 13H@ |
Elliott 17H@ | U
Elliott 17H | O | V
Elliott 5H | O | V
Elliott 5H | O | V
Elliott 3H | O | V
Elliott 1H | O | V

Lease No.	Owner	Acres
Lease No. 871540	Country Roads Minerals, LLC, et al.	89.75
871466	Lee and Hall Royalties	53.63
871469	Newton S. Beatty Families Trust, Philip A. Prichard, Trustee, et al.	131.1
871469 871548	West Virginia University Foundation, Inc., et al.	169.49





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.

P.S. 2092

NO. 2092
STATE OF SOLUTIONAL SCHOOL

FILE NO: 48-18	di arch
DRAWING NO: Elliott 13H	NOT THE THE
SCALE: 1" = 2000'	STATE OF WEST VIRGINIA
MINIMUM DEGREE OF ACCURACY: 1:2500	DEPARTMENT OF ENVIRONMENTAL PROTECTION OIL AND GAS DIVISION
PROVEN SOURCE OF ELEVATION:	Search United

NGS CORS Station	N:	WAN SEWEN CHES	STAT		PERMIT	
	GAS LIQUID INJECTION STORAGE WATERSHED		ow	: Glover Gap		
DISTRICT: Mannington		COUNTY: Ma				
SURFACE OWNER: Consolida	ated Coal Company			ACREAGE: _	153.25	
ROYALTY OWNER: Randy J.	Elliott and Leonard W. Stafford	LEASE NO	871454	ACREAGE: _	183	
PROPOSED WORK: ☑ DRIL	L CONVERT DRILL DE MATION DOTHER PHYSICA CLEAN OUT AND REPLUG	EPER XIFRACTURE OF AL CHANGE IN WELL (S	R STIMULATE P		FORMATION	
WELL OPERATOR: EQT Pro	duction Company	_ DESIGNATED AGENT:				
ADDRESS: 400 Wood	dcliff Drive	ADDRESS:	115 Professional Place PO Box 280			
Canonsb	ourg, PA 15317		Bridgeport, WV 2633	30		

WW-6A1 (5/13)

Operator's Well No. Elliott 13H

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

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

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

Lease Name or
Number

Grantor, Lessor, etc.

Grantee, Lessee, etc.

Royalty

Book/Page

See Attached

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

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

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

RECEIVED Office of Oil and Gas

AUG 27 2020

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:	Joseph C. Mallow
Its:	<u>Qoseph C. Wallow</u> Managing Director - Permitting and Civil

Lease No.	Grantor, Lessor, etc.		Grantee, Lessee, etc.	Royalty	Book/Page	
				At least 1/8th per West Virginia		_
<u>871454</u>	Randy J. Elliott and Leonard W. Stafford	183 ac		Code Section 22-6-8.		
	Randy J. Elliott, a married man dealing in his sole/sep. property		EQT Production Company		DR 1213/441	* Covers 40 acres
	Randy J. Elliott and Leonard W. Stafford		RJAL, Inc.		DR 971/747	* Covers 143 acres
	RJAL, Inc.		Falcon Holdings, LLC		DR 993/64	
	Falcon Holdings, LLC		Gallatin Fuels, Inc.		AB 32/183	
	Gallatin Fuels, Inc.		Leatherwood Inc.		AB 32/800	
	RJAL, Inc.		Leatherwood Inc.		DR 1035/63	
	Leatherwood Inc.		CNX Gas Company LLC		AB 42/174	
	CNX Gas Company LLC		Noble Energy		AB 42/355	
	Noble Energy		HG Energy II Appalachia, LLC		AB 53/166	
	HG Energy II Appalachia, LLC		EQT Production Company		AB 56/389	
871540	Country Roads Minerals, LLC, et al.	89.75 ac		At least 1/8th per West Virginia Code Section 22-6-8.		
07 10 10	Country (Notate Innivitue), 120, or an		American Shale Development, Inc.,			
			(50%) and Republic Energy			
	Byron W. Davis, a married man dealing with his sole and sep. property		Ventures, LLC, (50%)		DR 1148/27	
	American Shale Development, Inc.		Republic Partners VIII, LLC		AB 47/469	
	Republic Energy Ventures, LLC, Republic Partners VIII, LLC, et al		EQT Production Company		AB 51/525	
	Trans Energy, Inc. and American Shale Development, Inc.		EQT Production Company		DR 1228/1	
871466	Lee and Hall Royalties	53.63 ac		At least 1/8th per West Virginia Code Section 22-6-8.		
	Lee and Hall Royalties, a Partnership		EQT Production Company		DR 1253/31	
8714 <u>69</u>	Newton S. Beatty Families Trust, Philip A. Prichard, Trustee, et al.	131.1 ac		At least 1/8th per West Virginia Code Section 22-6-8.		
			American Shale Development, Inc.,			
	Philip A. Prichard, acting as Att-in-Fact for Jackson T. Beatty and Rebecca Beatty, h/w, et al, (referred to as the "Lida Cochrane Heirs")		(50%) and Republic Energy Ventures, LLC, (50%)		DR 1129/821	
	American Shale Development, Inc.		Republic Partners VIII, LLC		AB 47/469	
	Republic Energy Ventures, LLC, Republic Partners VIII, LLC, et al		EQT Production Company		AB 51/525	
	Trans Energy, Inc. and American Shale Development, Inc.		EQT Production Company		DR 1228/1	
	111		• •			
	Viro Al					
	RE UG					
	enta 💝 CE					
	RECEIVED ffice of Oil and Ga AUG 3 7 2020					
	20;					
	RECEIVED Office of Oil and Gas AUG 2 7 2020 W/ Department of nvironmental Protection					•
	ion s					

American Shale Development, Inc.

University

West Virginia University Foundation, Inc., for the benefit of West Virginia

Republic Energy Ventures, LLC, Republic Partners VIII, LLC, et al

Trans Energy, Inc. and American Shale Development, Inc.

American Shale Development, Inc.,

(50%) and Republic Energy Ventures, LLC, (50%)

AB 47/469

EQT Production Company

AB 51/525

EQT Production Company

Republic Partners VIII, LLC

DR 1159/217

DR 1228/1

WV Department of Environmental Protection AUG 27 2020

RECEIVED
Office of Oil and Gas



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

August 26, 2020

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

Re: Elliott 13H Gas Well Mannington District, Marion County

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,

John Zavatchan

Project Specialist - Permitting

RECEIVED Office of Oil and Gas

AUG 27 2020

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

Date of Notice Certification: 08/26/2020			API No. 47- Operator's Well No. ^{13H}			
		We	Well Pad Name: Elliott			
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						
	tract of land as follows:	r.				
State:	West Virginia			53095.69		
County: District:	Marrington	Public Road Access:	_	4377498.32 CR 5		
Quadrangle:	Mannington Glover Gap	Generally used farm	_	Consolidation Coal Company		
Watershed:	Tributary of Dents Run	Generally used family	name.	Consolidation Coal Company		
watersneu.	Tributary of Dents Itali					
prescribed by the secretary, shall be verified and shall contain the following information: (14) A certification from the operator that (i) it has provided the owners of the surface described in subdivisions (1), (2) and (4), subsection (b), section ten of this article, the information required by subsections (b) and (c), section sixteen of this article; (ii) that the requirement was deemed satisfied as a result of giving the surface owner notice of entry to survey pursuant to subsection (a), section ten of this article six-a; or (iii) the notice requirements of subsection (b), section sixteen of this article were waived in writing by the surface owner; and Pursuant to West Virginia Code § 22-6A-11(b), the applicant shall tender proof of and certify to the secretary that the notice requirements of section ten of this article have been completed by the applicant.						
Pursuant to West Virginia Code § 22-6A, the Operator has attached proof to this Notice Certification that the Operator has properly served the required parties with the following: *PLEASE CHECK ALL THAT APPLY				OOG OFFICE USE ONLY		
☐ 1. NOT	FICE OF SEISMIC ACTIVITY or	■ NOTICE NOT REQUIRED SEISMIC ACTIVITY WAS CO			RECEIVED/ NOT REQUIRED	
☐ 2. NOTICE OF ENTRY FOR PLAT SURVEY or ☐ NO PLAT SURVEY WAS CONDUCTED					☐ RECEIVED	
■ 3. NO	TICE OF INTENT TO DRILL or	NOTICE NOT REQUIRED NOTICE OF ENTRY FOR PLAWAS CONDUCTED or			RECEIVED/ NOT REQUIRED	
		☐ WRITTEN WAIVER BY (PLEASE ATTACH)	SURFACI	E OWNER		
■ 4. NO	TICE OF PLANNED OPERATION				RECEIVED	
■ 5. PUE	BLIC NOTICE				RECEIVED	
■ 6. NO	TICE OF APPLICATION				RECEIVED	

Required Attachments:

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

AUG 27 2020

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: EQT Production Company

By: John Zavatchan

Its: Project Specialist - Permitting

Telephone: 724-746-9073

Address: 400 Woodcliff Drive

Canonsburg, PA 15317

Facsimile: 412-395-2974

Email: jzavatchan@eqt.com

NOTARY SEAL

Commonwealth of Pennsylvania - Notary Seal Olivia Pishioneri, Notary Public Allegheny County My commission expires October 25, 2023 Commission number 1359968

Member, Pennsylvania Association of Notaries

Subscribed and sworn before me this-

Notary Public

My Commission Expires

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.

Office of Oll and Gas

AUG 2 7 2020

WV Department of Environmental Proteotion

WW-6A (9-13)

704902504 **API NO. 47-**OPERATOR WELL NO. 13H Well Pad Name: Elliott

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: 8/25/2020 Date Permit Application Filed: 8/26/2020 Notice of: PERMIT FOR ANY CERTIFICATE OF APPROVAL FOR THE WELL WORK CONSTRUCTION OF AN IMPOUNDMENT OR PIT Delivery method pursuant to West Virginia Code § 22-6A-10(b) ☐ REGISTERED ✓ METHOD OF DELIVERY THAT REQUIRES A ☐ PERSONAL **SERVICE** MAIL 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: COAL OWNER OR LESSEE ☐ SURFACE OWNER(s) Name: See AttachedList Name: Consolidation Coal Company Address: 46226 National Road Address: St. Clairsville, OH 43950 COAL OPERATOR Name: Name: _____Address: _____ Address: SURFACE OWNER(s) (Road and/or Other Disturbance) □ SURFACE OWNER OF WATER WELL Name: Consolidation Coal Company Address: 46226 National Road AND/OR WATER PURVEYOR(s) Name: St. Clairsville, OH 43950 Address: Name: Address: OPERATOR OF ANY NATURAL GAS STORAGE FIELD ☐ SURFACE OWNER(s) (Impoundments or Pits) Address: Name: Address: RECEIVED
Office of Oil and Gas *Please attach additional forms if necessary

AUG 27 2020

M Department of Environmental Projection WW-6A (8-13) 4704902504 API NO. 47-OPERATOR WELL NO. 13H

Well Pad Name: Elliott

Notice is hereby given:

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

This Notice Shall Include:

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

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

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

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

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

Well Location Restrictions

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

AUG 27 2020

WW-6A (8-13)

API NO. 47	
OPERATOR WELL NO. 13H	
Well Pad Name: Elliott	

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

Water Well Testing:

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

Water Testing Laboratories:

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

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

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

Written Comment:

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

Chief, Office of Oil and Gas Department of Environmental Protection 601 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.**RECEIVED and Gas

AUG 27 2020

W Department of Environmental Protection



4704902504

API NO. 47OPERATOR WELL NO. 13H
Well Pad Name: Elliott

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.



WW-6A (8-13)

API NO. 47- 47.0 49 025 04

OPERATOR WELL NO. 13H

Well Pad Name: Elliott

Notice is hereby given by:	
Well Operator: EQT Production Company	Address: 400 Woodcliff Drive
Telephone: 724-746-9073	Canonsburg, PA 15317
Email: jzavatchan@eqt.com	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 awy.gov.

Commonwealth of Pennsylvania - Notary Seal
Olivia Pishioneri, Notary Public
Allegheny County
My commission expires October 25, 2023
Commission number 1359968
Member, Pennsylvania Association of Notaries

Subscribed and sworn before me this Way of August, 2000

Notary Public

My Commission Expires

October 25, 2023

Office of Oil and Gas

AUG 27 2020

WV Department of Environmental Protection

Topo Quad: Glover Gap Scale: 1" = 1000' Marion Date: December 17, 2019 County: District: Mannington - 12 48-18-M-18 Project No: Water **ELLIOTT PAD** No Potential Water Sources within 2500' Alfia Gon 2500 entenar NAD 27, North Zone LEGEND N:381937.27 Red Symbol - Declined Sampling E:1751215.33 Blue Symbol - Requested Sampling / Unable to Contact Access Road WGS 84 Well Spring LAT:39.545371 Pond LONG:-80.382026 Building ELEV:1,343 SURVEYING AND MAPPING SERVICES PERFORMED BY: PREPARED FOR: ALLEGHENY SURVEYS, INC. **EQT Production Company** 1-800-482-8606 Office of Oil and 2400 Ansys Drive, Suite 200 237 Birch River Road Birch River, WV 26610 Canonsburg, PA 15317 PH: (304) 649-8606 FAX: (304) 649-8608

> WV Department of Environmental Protection

Elliott Well Site

Surface Owner (All Disturbance)

Consolidation Coal Company 46226 National Road St. Clairsville, OH 43950

Coal Owners

Randy Elliott 560 Carolina Avenue Chester, WV 26034

Leonard Stafford 200 Park Drive Mannington, WV 26582

Murray Energy Corporation 46226 National Rd W St. Clairsville, OH 43950

No Water Supply Owners within 1,500'

RECEIVED Office of Oil and Gas

AUG 27 2020

WV Department of Environmental Protection

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.

d pursuant to West Virginia Code § 2	(2-6A-16(b)	
CENTRIED MAIL		
RETURN RECEIPT REQ	DIESTED	
RETURN RECEIFT REC	CESTED	
I or hand delivery, give the surface own ntal well: <i>Provided</i> , That notice given n as of the date the notice was provided be waived in writing by the surface own	ner notice of its intent to enter upon the pursuant to subsection (a), section tent to the surface owner: <i>Provided, how</i> ner. The notice, if required, shall include	ne surface owner's land for the purpose of in of this article satisfies the requirements never. That the notice requirements of this dude the name, address, telephone number,
	Address:	
IIIE; OH 43950		
	— UTM NAD 83 Northing:	553,095.69 4,377,498.32
arion	Northing:	
		CR 5
	Generally used farm name:	Elliott
ibutary of Dents Run	_	
iall Include:		
st Virginia Code § 22-6A-16(b), this er and electronic mail address of the ontal drilling may be obtained from the	operator and the operator's authorize e Secretary, at the WV Department of	ed representative. Additional information f Environmental Protection headquarters,
by given by:		
EQT Production Company	Authorized Representative:	John Zavatchan
	Address:	400 Woodcliff Drive
400 Woodcliff Drive	Address:	400 Woodciiii Drive
400 Woodcliff Drive Canonsburg, PA. 15317	Address:	Canonsburg, PA 15317
The state of the s	Telephone:	
Canonsburg, PA. 15317		Canonsburg, PA 15317
	d or hand delivery, give the surface own that well: Provided, That notice given in as of the date the notice was provided be waived in writing by the surface own facsimile number and electronic mail as by provided to the SURFACE OWn Coal Company attonal Road Mille, OH 43950 by given: St Virginia Code § 22-6A-16(b), notice er's land for the purpose of drilling a howest Virginia darion dennington slover Gap ributary of Dents Run hall Include: st Virginia Code § 22-6A-16(b), this er and electronic mail address of the contal drilling may be obtained from the 7th Street, SE, Charleston, WV 25304 (contal drilling may be obtained from the 2th Street, SE, Charleston, WV 25304 (contal drilling may be obtained from the 2th Street, SE, Charleston, WV 25304 (contal drilling may be obtained from the 2th Street, SE, Charleston, WV 25304 (contal drilling may be obtained from the 2th Street, SE, Charleston, WV 25304 (contal drilling may be obtained from the 2th Street, SE, Charleston, WV 25304 (contal drilling may be obtained from the 2th Street, SE, Charleston, WV 25304 (contal drilling may be obtained from the 2th Street, SE, Charleston, WV 25304 (contal drilling may be obtained from the 2th Street, SE, Charleston, WV 25304 (contal drilling may be obtained from the 2th Street, SE, Charleston, WV 25304 (contal drilling may be obtained from the 2th Street, SE, Charleston, WV 25304 (contal drilling may be obtained from the 2th Street, SE, Charleston, WV 25304 (contal drilling may be obtained from the 2th Street, SE, Charleston, WV 25304 (contal drilling may be obtained from the 2th Street, SE, Charleston, WV 25304 (contal drilling may be obtained from the 2th Street, SE, Charleston, WV 25304 (contal drilling may be obtained from the 2th Street, SE, Charleston, WV 25304 (contal drilling may be obtained from the 2th Street, SE, Charleston, WV 25304 (contal drilling may be obtained from the 2th Street, SE, Charleston, WV 25304 (contal drilling may be obtained from the 2th Street, SE, Charleston, WV 25304 (contal drilling may b	by given: st Virginia Code § 22-6A-16(b), notice is hereby given that the undersigned er's land for the purpose of drilling a horizontal well on the tract of land as fo lest Virginia UTM NAD 83 Easting: Northing: Northing: Northing: Northing: Northing: Hannington Public Road Access: Generally used farm name; Code § 22-6A-16(b), this notice shall include the name, address and electronic mail address of the operator and the operator's authorized ontal drilling may be obtained from the Secretary, at the WV Department of 7th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.de

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.

Environmental Control

WW-6A5 (1/12) Operator Well No. Elliott 13H

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

Date of Notic	e: 08/25/2020 Date Perm	nit Application Filed: 08/26/	2020	
Delivery metl	hod pursuant to West Virginia Coo	de § 22-6A-16(c)		
CERTIE	TED MAIL	☐ HAND		
	N RECEIPT REQUESTED	DELIVERY		
return receipt the planned o required to be drilling of a h damages to the (d) The notice of notice.	requested or hand delivery, give the peration. The notice required by the provided by subsection (b), section notizontal well; and (3) A proposed e surface affected by oil and gas ope as required by this section shall be given.	surface owner whose land whis subsection shall include ten of this article to a surface surface use and compensa rations to the extent the dan even to the surface owner at	will be used for e: (1) A copy the owner whose tion agreement mages are com	cation, an operator shall, by certified mail or the drilling of a horizontal well notice of of this code section; (2) The information se land will be used in conjunction with the nt containing an offer of compensation for pensable under article six-b of this chapter, sted in the records of the sheriff at the time
	by provided to the SURFACE OV s listed in the records of the sheriff at			
Name: Consolida	ition Coal Company	Name:		
Name: Consolida Address: 46226		Name: Address:		
Address: 46226 St. Clair	5 National Road rsville, OH 43950			
Address: 46226 St. Clair Notice is here Pursuant to W operation on State: County:	Bound Road Proville. OH 43950 Proville. OH 4	Address: otice is hereby given that the cose of drilling a horizontal UTM NAD 83	undersigned well on the tra Easting: Northing:	553095.69 4377498.32
Address: 46226 St. Clar Notice is here Pursuant to W operation on State: County: District:	B National Road preville. OH 43950 Peby given: Pest Virginia Code § 22-6A-16(c), not the surface owner's land for the purp West Virginia Marion Mannington	Address: otice is hereby given that the pose of drilling a horizontal UTM NAD 83 Public Road A	undersigned well on the tra Easting: Northing: ccess:	act of land as follows: 553095.69 4377498.32 CR 5
Address: 46226 St. Clair Notice is here Pursuant to W operation on State: County:	Bound Road Proville. OH 43950 Proville. OH 4	Address: otice is hereby given that the cose of drilling a horizontal UTM NAD 83	undersigned well on the tra Easting: Northing: ccess:	act of land as follows: 553095.69 4377498.32
Address: 46226 St. Clair Notice is here Pursuant to W operation on State: County: District: Quadrangle: Watershed: This Notice S Pursuant to W to be provide horizontal we surface affect information re	eby given: Yest Virginia Code § 22-6A-16(c), not the surface owner's land for the purp West Virginia Marion Mannington Glover Gap Tributary of Dents Run Shall Include: Yest Virginia Code § 22-6A-16(c), the d by W. Va. Code § 22-6A-10(b) tell; and (3) A proposed surface use an ed by oil and gas operations to the elated to horizontal drilling may be located at 601 57th Street, SE,	Address: otice is hereby given that the bose of drilling a horizontal UTM NAD 83 Public Road A Generally used otis notice shall include: (1)/ to a surface owner whose and compensation agreement extent the damages are core obtained from the Secreta	e undersigned well on the tra Easting: Northing: ccess: I farm name: A copy of this land will be t containing an inpensable und ry, at the WV	act of land as follows: 553095.69 4377498.32 CR 5 Consolidation Coal Company code section; (2) The information required used in conjunction with the drilling of a n offer of compensation for damages to the der article six-b of this chapter. Additional
Notice is here Pursuant to W operation on State: County: District: Quadrangle: Watershed: This Notice S Pursuant to W to be provide horizontal we surface affect information re headquarters,	Eby given: Yest Virginia Code § 22-6A-16(c), not the surface owner's land for the purp West Virginia Marion Mannington Glover Gap Tributary of Dents Run Shall Include: Yest Virginia Code § 22-6A-16(c), the dip W. Va. Code § 22-6A-10(b) to like and (3) A proposed surface use and ed by oil and gas operations to the elated to horizontal drilling may be located at 601 57th Street. SE, cault.aspx.	Address: Address: Address: Otice is hereby given that the pose of drilling a horizontal UTM NAD 83 Public Road A Generally used to a surface owner whose ond compensation agreement extent the damages are core obtained from the Secreta Charleston, WV 25304 (2007)	e undersigned well on the tra Easting: Northing: ccess: I farm name: A copy of this land will be t containing an inpensable und ry, at the WV	act of land as follows: 553095.69 4377498.32 CR 5 Consolidation Coal Company code section; (2) The information required used in conjunction with the drilling of a n offer of compensation for damages to the der article six-b of this chapter. Additional / Department of Environmental Protection
Address: 46226 St. Clair Notice is here Pursuant to W operation on State: County: District: Quadrangle: Watershed: This Notice S Pursuant to W to be provide horizontal we surface affect information re headquarters, gas/pages/defi	Eby given: Yest Virginia Code § 22-6A-16(c), not the surface owner's land for the purp West Virginia Marion Mannington Glover Gap Tributary of Dents Run Shall Include: Yest Virginia Code § 22-6A-16(c), the dip W. Va. Code § 22-6A-10(b) to like and (3) A proposed surface use and ed by oil and gas operations to the elated to horizontal drilling may be located at 601 57th Street. SE, cault.aspx.	Address:	e undersigned well on the tra Easting: Northing: ccess: I farm name: A copy of this land will be a containing an opensable undery, at the WV 804-926-0450)	act of land as follows: 553095.69 4377498.32 CR 5 Consolidation Coal Company code section; (2) The information required used in conjunction with the drilling of an offer of compensation for damages to the der article six-b of this chapter. Additional / Department of Environmental Protection or by visiting www.dep.wv.gov/oil-and-

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 deprivacyofficer@wv.gov.





WEST VIRGINIA DEPARTMENT OF TRANSPORTATION Division of Highways

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

May 19, 2020

Byrd E. White, III
Secretary of Transportation/
Commissioner of Highways

Jimmy Wriston, P. E.
Deputy Secretary/
Deputy Commissioner

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 Elliott Pad, Marion County

Elliot 1H Elliot 3H Elliot 5H Elliot 7H Elliot 9H Elliot 11H elliot 13H Elliot 15H

Dear Mr. Martin,

This well site will be accessed from a DOH permit #04-2020-0295 which has been issued to EQT Production Company for access to the State Road for a well site located off Marion County Route 5 SLS.

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.

Very Truly Yours,

Gary K. Clayton, P.E.

Regional Maintenance Engineer Central Office O&G Coordinator

Lary K. Clayton

Cc: John Zavatchan

EQT Production Company

CH, OM, D-4

File

Office of Oil and Gas
AUG 27 2020

W Department of Environmental Profestion

Anticipated Frac Additives Chemical Names and CAS numbers

<u>Material</u>	Ingredient	CAS Number
Water		
Sand	Hydrotreated light petroleum distillate Tributyl tetradecyl phosphonium	14808-60-7
Friction Reducer	chloride	64742-47-8
Biocide	Ammonium chloride	81741-28-8
Scale Inhibitor	Hydrochloric Acid	12125-02-9
15% Hydrochloric Acid	Propargyl Alcohol	7647-01-0
Corrosion Inhibitor	Methanol	107-19-7
Corrosion Inhibitor	Guar Gum	67-56-1
Gelling Agent	Sodium Persulfate	9000-30-0
Oxidizing Breaker	Potassium Carbonate	7775-27-1
Buffering Agent		584-08-7

Office of Oil and Gas

AUG 27 2020

WV Department of Environmental Protection

EROSION & SEDIMENT CONTROL PLAN ELLIOT PAD EXPANSION

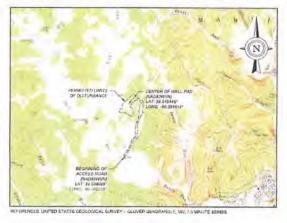


MARION COUNTY, WEST VIRGINIA FOR

EQT PRODUCTION COMPANY

DISTURBANCE BREAKDOWN					
ACCESS ROAD	WEILPAD	STOCKPUES	TOTAL DISTURBANCE		
13.47.AC	10.47 AC	241AC	27.45.60		

	LANDOWNE	R DISTURBANCE BREAK	BOWN	
TARGETONNE	DISTURBANCE FROM ACCESS ROAD	DISTURBANCE FROM WOLLFAD	DISTURBANCE FROM STOCKPILES	DSTURBANCE
12-34-37 CONSCIDATION COAL	1.169c	1,83AC	579	2.49AC
13-34-39 CONSCUDATION COA:	2.88 AC	14/4	5/8	2.88 As:
12-34-41 CONSCUDATION COAL	9.30 AC	9 _(14AC)	14140	21.85 AC
UNICHOWS	0.13AC	N/A	n/a	0.13AC





PROJECT NO. 19070-089 JUNE 2020

DIEFFENBAUCH & HRITZ, LLC

D. etc.					WELLLOCA	TIONS			
ASSIGNED WITH SEC	APIN	LATIRADES	LONGNADES	NORTHINGNADES	EASTINGENAUES	MONTHING WADZIN	EASTINGINA (127)	NORTHWIST ADDITIONS	LASIDNERNAD ES UTTAMETERS
10 O		39, 32, 43 B4836	NY 22 SCHOOL	SE3004 9361	1719735 3100	181907 547	1751172 238	4377572188	563085 436
31 "		377 37 43 175 DC	207 22 50,76795	381108 /175	1739735 1480	581971.364	1751118 660	A372677.127	56,3087,144
SIL		197 37 48 317 KT		881572.5146	1719704.9870.	381945.362	1754483.904	4577481,366	559580.854
78		39 37 43 6843	80° 32' M-6-1231'	3925046.3543	17190500.8250	333948.959	1250189.748	437 AUS (206	569090.561
94		36, 25, 43,286.32,	90 22 55 549 31	22000 1689	17:195 H-06:40	383962 816	1751196.579	\$377489.645	55,9002,269
Tam		39' 3E 43.72367'	at 12 55.47671	382013 9860	17 19763 5020	380976-613	1751201 417	4377499 084	553093,976
I3H		39 34 43 80000	SEL TA 42 VONCERS.	39.7027.8032	1719768 3400	383590.450	1754207.255	43/7453, 52 F	553095 686
190		37 32 43 99792	80 17 35 19117	3920(1.620)	1719774 1790	3820014-267	1751213.093	4377607.561	553000, 206
(7)		37 17 44 15505"	SV 22 55.75830"	392055-4374	1719280.0130	382018 0B4	1751238431	4.5775C6-9833	353099 105
20		37 37 43.149BC		381955-8954	1719765-6960	383918 543	1/51204-014	4377476.399	953075,064
4H		19° 32' 43' 20009°	W 47 No.56557	.981969 7125	1719/70 9340	381992.360	1751209.851	4477490,448	52,9096,772
6H		39" 32" 43.42406"	WC 22 55.29072	3819815250	17/2976-7730	381945-177	1751225.609	437748A 876	553098 461
891		197 337 43, 561 381	HET 22 51 21792"	38 1997 SHIB	1719782-6130	381958.994	1251223.523	4377469.417	553103.189
1D6i		39' 37' 43.696'30'	ML 35, 89 14215	2820111050	1729788 4500	181973.814	1751327.365	4373493 350	553101.896
1295		39 32 44.8354Z	80 H V5-07739	382024.9811	47197942880	381083.626	1751235 200	4377/07.595	563103.806
1444		19° 32 At 97355	80 22 54 99%3	382036 7582	1719900,1260	382001.445	1751239.041	4377501.835	551(6), 315
10H		39 3Z 44 10967	89 27 54 52571	383/62/6/54	1755009-9650	382072 163	175/12/44/876	4327506.074	959107.698
1801		30' 82' 44' 74680"	80° 27 St. Insor	3870667375	1710811-908	382024 (BE	1751250710	4377510.101	553406.732



	INDEX	- 1
DRAWING NO.	TITLE	
1	TITLE SHEET	
7	AS-BUILT SITE PLAN	
3	PROPOSED SITE PLAN	
4	PROPOSED RESTORATION PLAN	
5-8	AS BUILT ACCESS ROAD PROFILE	
9-10	EASTYPICAL SECTIONS	
11-12	EAS DETAILS	





TMR CRAWI

BLB precision RCL APPROVED JUNE 2020 DATE 19070-089

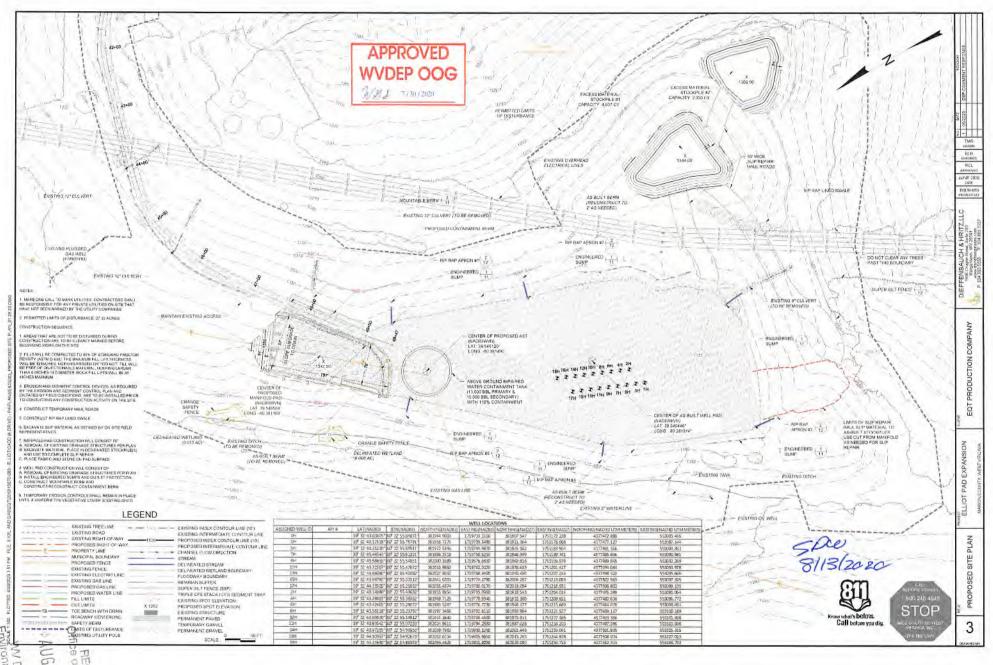
NBAUCH & HRITZ,LLC 50 Chapter Road, Suite 200 Maryland NW 25291 www.daedfreephores.com 995,5040 F 324, 895,5587

JON COMPANY

IOT PAD EXPANSION

TITLE SHEET

1



-1

