

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

Friday, November 30, 2018 WELL WORK PERMIT Horizontal 6A / New Drill

CHEVRON APPALACHIA, LLC 700 CHERRINGTON PARKWAY

CORAOPOLIS, PA 15108

Re: Permit approval for HAZLETT M08H 47-051-02100-00-00

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

Mant.

Operator's Well Number: HAZLETT M08H Farm Name: IRENE HAZLETT - LIFE U.S. WELL NUMBER: 47-051-02100-00-00 Horizontal 6A New Drill Date Issued: 11/30/2018

Promoting a healthy environment.

PERMIT CONDITIONS 4705102100

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</u> conditions may result in enforcement action.

CONDITIONS

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

API Number:

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PERMIT CONDITIONS 4705102100

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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, sending an email to DEPOOGNotify@wv.gov.



west virginia department of environmental protection

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

Jim Justice, Governor Austin Caperton, Cabinet Secretary www.dep.wv.gov

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

TO: Chevron Appalachia, LLC P.O. Box 611 Moon Township, PA 15108

DATE: November 27, 2018 ORDER NO.: 2018-W-12

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 Chevron Appalachia, LLC (hereinafter "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.
- Chevron Appalachia, LLC is a "person" as defined by W. Va. Code §22-6-1(n), with a corporate address as P.O. Box 611, Moon Township, Pennsylvania.
- On August 3, 2018, Chevron Appalachia, LLC submitted well work permit applications identified as API#s 47-051-02092, 47-051-02093, 47-051-02094, 47-051-02095, 47-051-02096, 47-051-02097, 47-051-02099 and 47-051-02100. Then on August 7, 2018 Chevron Appalachia, LLC submitted well work permit applications identified as API#s 47-051-02107, 47-051-02108, 47-051-02109, 47-051-02110, 47-051-02111 and 47-051-02112. The proposed wells are to be located on the Hazlett Pad in Union District of Marshall County, West Virginia.
- 4. On August 3, 2018, Chevron Appalachia, LLC requested a waiver for Wetlands 1A, 3A, 3B and 4 outlined in Attachment 1, from well location restriction requirements in W. Va. Code §22-6A-12(b) for the well work permit applications identified as API#s 47-051-02092, 47-051-02093, 47-051-02094, 47-051-02095, 47-051-02096, 47-051-02097, 47-051-02099, 47-051-02100, 47-051-02107, 47-051-02108, 47-051-02109, 47-051-02110, 47-051-02111 and 47-051-02112. Wetlands 1A and 4 will be excluded from this waiver because they are more than 100' from the LOD of the pad.

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CONCLUSIONS OF LAW

- 1. West Virginia Code §22-1-6(d) requires, in part, that "[i]n 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 "[n]o 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."

<u>ORDER</u>

West Virginia Code §22-6A-12(b) requires, in part, that "[n]o 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 3A and 3B from well location restriction requirements in W. Va. Code §22-6A-12(b) for the well work permit applications identified as API#s 47-051-02092, 47-051-02093, 47-051-02094, 47-051-02095, 47-051-02096, 47-051-02097, 47-051-02099, 47-051-02100, 47-051-02107, 47-051-02108, 47-051-02109, 47-051-02110, 47-051-02111 and 47-051-02112. The Office of Oil and Gas hereby **ORDERS** that Chevron Appalachia, LLC shall meet the following site construction and operational requirements for the Hazlett Well Pad:

- a. A berm shall be constructed around the perimeter of the pad to contain any potential spills and storm water runoff. Berm is to be at least twenty-four inches (24") in height;
- b. Erosion control blankets shall be installed on all slopes and down gradient locations of the pad as erosion and sediment controlling BMPs;
- c. Wetland 3A shall have both a compost filter sock trap and a layer of thirty two-inch (32") compost filter sock to prevent any sediment from reaching the wetland from the well pad. This along with temporary and permanent vegetative cover will prevent sediment from reaching the wetland.
- d. Wetland 3B shall have two layers of eighteen-inch (18") compost filter sock to prevent any sediment from reaching the wetland from the well pad. This along with temporary and permanent vegetative cover will prevent sediment from reaching the wetland.
- e. Disturbed areas not used for operations shall be seeded and mulched per the seeding tables in the WVDEP-OOG Erosion and Sediment Control Manual;
- f. Drill cuttings and associated drilling mud shall be disposed of in a permitted landfill;
- g. Waste generated by the flowback treatment systems shall be sent to offsite disposal at a permitted landfill;
- h. Weekly site inspections shall be conducted to monitor and maintain the integrity of the BMP storm water controls;
- i. Weekly storm water and spill prevention inspections shall be conducted focusing on storm water and spill prevention BMPs and maintenance of these BMPs;
- j. Inspections of the storm water and spill prevention measures shall be conducted after any major storm event defined as a half inch $(\frac{1}{2})$ rain within any twenty-four (24) hour period;
- k. Pad inspections shall be conducted no less than once a week to identify and mitigate potential deficiencies;
- 1. All records from inspections shall be maintained on site for the life of the project and be available upon request.

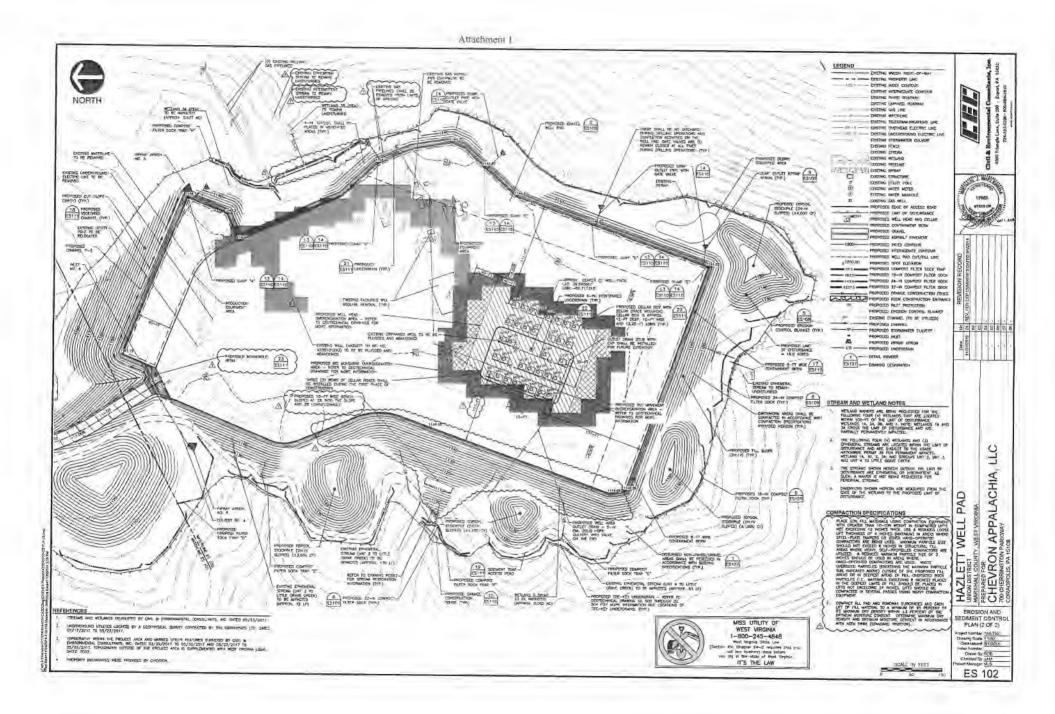
Thus ORDERED, the 27th day of November, 2018.

IN THE NAME OF THE STATE OF WEST VIRGINIA:

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

JAMES A. MARTIN, CHIEF By: ζ



May 3, 2018

West Virginia Department of Environmental Protection Office of Oil and Gas 601 57th Street Charleston, West Virginia 25304

Dear Reviewer:

Subject:	Wetland Waiver Request
	Chevron Appalachia, LLC
	Hazlett Well Pad Project
	Union District, Marshall County, West Virginia
	CEC Project 164-755

1.0 INTRODUCTION

On behalf of Chevron Appalachia, LLC (Chevron), Civil & Environmental Consultants, Inc. (CEC) is submitting a Wetland Waiver Request pursuant to Chapter 22 Article 6A Section 12 of the West Virginia Code. Chevron is requesting a waiver to construct a natural gas well pad within 100 feet of three palustrine emergent wetlands and one palustrine scrub-shrub wetland for their proposed Hazlett Well Pad Project located in Union District, Marshall County, West Virginia.

Chevron is proposing to expand an existing natural gas well pad and widen the associated existing access road. The total limit of disturbance (LOD) for the project is approximately 18 acres. The waiver request form is included in Attachment A. The following figures are included in Attachment B: Site Location Map, Aquatics Impact Map, and Wetland Waiver Request Figure. The Erosion & Sediment Control (E&S) Plan is included in Attachment C. Existing wetlands and streams were delineated by qualified CEC biologists on May 23, 2017. The following section provides additional information as required by the waiver.

2.0 WETLAND WAIVER REQUEST

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

The proposed Hazlett Well Pad Project is located off Grandview Road/WV-86 in Union District, Marshall County, West Virginia, east of the city of Glen Dale, as shown on the Site Location Map. The project's proposed LOD is located within 100 feet of three palustrine emergent wetlands and one palustrine scrub-shrub wetland, as shown on the Aquatic Impacts Map. The approximate distance of each wetland to the nearest boundary of the LOD is as follows: West Virginia Department of Environmental Protection Project 164-755 Page 2 May 3, 2018

- Wetland 1A 0 linear feet; k
- Wetland 3A 0 linear feet;
- Wetland 3B 53 linear feet; and
- Wetland 4 1 linear foot.

No perennial streams are located within 100 feet of the project LOD. A waiver is not being requested for the Wetlands 1B and 2 which are located entirely within the LOD. Chevron is requesting authorization from the U.S. Army Corps of Engineers (USACE) for impacts to these wetlands, impacts to the portions of Wetlands 1A and 3A within the LOD, and for impacts to three ephemeral unnamed tributaries to Little Grave Creek. A copy of the Application for Department of the Army Permit is included in Attachment D.

Question 2: Justify the proposed activity by describing alternatives to this project that were considered.

a. Include a No-Action Alternative as to show "the future without the project".

The No-Action alternative represents "no alteration" of the existing environment, meaning the well pad and access road would not be expanded and no immediate environmental impacts would occur. Natural gas extraction would not occur at this site, and Chevron would be required to find an alternative site. This option is highly undesirable and would not fulfill the project's purpose and need.

b. Location alternatives must be shown.

Due to the size of the proposed well pad, the steep topography of the surrounding area, and the location of the subsurface coal boundary, the current location of the proposed Hazlett Well Pad is the primary location desired by Chevron. Further, this project expands an existing well pad and access road. Siting the proposed well pad at an alternative location will likely result in additional earth and vegetation disturbance. Minor adjustments to the dimensions of the proposed well pad were made during the conceptual planning phase of the project; however, the current location of the well pad has remained unchanged due to the limitations listed above. The size of the well pad is optimized for the extraction and production equipment that will be set on the well pad. As such, minimizing the dimensions of the well pad beyond the dimensions provided is not feasible. The location of the well pad and LOD are shown on Figure 3 - Wetland Waiver Request Figure provided in Attachment B.

West Virginia Department of Environmental Protection Project 164-755 Page 3 May 3, 2018

c. Must demonstrate why a one hundred foot buffer cannot be maintained.

Maintaining a 100-foot buffer from all on-site wetlands is not feasible due to topographic constraints and locations of the existing features. Two of the wetlands are located on the southwest side of the access road and two of the wetlands are located on the eastern side of the well pad. If the access road was shifted northeast, it would result in significantly more earth disturbance due to the steep topography. Similarly, if the well pad was shifted west to avoid the two wetlands, additional permanent stream impacts would occur on the western side of the pad.

The other alternative to meet the setback requirements would be a reduction in the project's footprint; however, the proposed design represents the minimum footprint required to meet the project's purpose and need. A reduction in the well pad's limits would mean the project could not be developed.

d. Describe how the proposed project is the least environmentally damaging practicable alternative.

The proposed Hazlett Well Site design represents the alternative which reduces permanent impacts to the greatest degree practicable. Shifting the proposed well pad east or west would create higher fill slopes and result in more disturbance to existing streams and wetlands.

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

As part of the well pad permitting process, an E&S Plan has been prepared for the Hazlett Well Pad project which stipulates implementations to reduce soil erosion, compaction, and sedimentation of receiving streams and wetlands. The following measures will be implemented as part of the E&S Plan to protect the existing wetlands and streams:

- Compost filter sock traps will be positioned downslope of larger drainage areas and upslope of the existing wetlands and/or ephemeral streams;
- Compost filter socks will be positioned downslope of smaller drainage areas and upslope of the existing wetlands and/or ephemeral streams;
- Orange construction fence will be erected along the edge of the LOD to clearly mark and help protect the wetlands from being impacted during construction operations;

West Virginia Department of Environmental Protection Project 164-755 Page 4 May 3, 2018

- Erosion control blanket will be placed on slopes greater than 3 Horizontal to 1 Vertical (3H:1V) to limit erosion and promote vegetative growth;
- Riprap aprons will be constructed at the outfalls of pipes to dissipate runoff;
- Disturbed areas within the LOD shall be stabilized within 21 days of construction activity temporarily or permanently ceasing; and
- One ephemeral stream (UNT 3 to Little Grave Creek) located within the LOD will be realigned and restored to approximate original dimensions downgradient of the proposed fill slope toe-key outlet drain and lined with riprap.

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

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

Refer to the E&S Plan and details in Attachment C for locations of erosion control measures, specifications on installation and maintenance requirements, and the construction sequence.

3.0 CLOSING

We appreciate your review of this Wetland Waiver Request. Please contact Mallory Owens at 724-327-5200 or mowens@cecinc.com if you have any questions or require additional information.

Respectfully submitted,

CIVIL & ENVIRONMENTAL CONSULTANTS, INC

celly for

Sarah V. Parker Assistant Project Manager

Parago for

Mallory A. Owens, M.S. Project Manager

SVP:MAO/jg/hm Enclosures

cc: Jenny Hayes, Chevron Appalachia, LLC (PDF only)

L-164755.May3/P

ATTACHMENT A

WETLAND AND PERENNIAL STREAM WAIVER REQUEST FORM

Civil & Environmental Consultants, Inc.

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API Number: _____ Operator's Well Number: _____

Well Operator: Chevron Appalachia, LLC

Well Number:	Well Pad Name:	Hazlett Well Pad
County, District, Quadrangle of Well Location:	Marshall County, Union	District, Moundsville Quad

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

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

§22-6A-12(b) No well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No well pad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the department shall be measured as follows:

(1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the lake or reservoir.

(2) For a surface water intake on a flowing stream, the distance shall be measured from a semicircular radius extending upstream of the surface water intake.

(3) For a groundwater source, the distance shall be measured from the wellhead or spring.

The department may, in its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. A waiver, if granted, shall impose any permit conditions as the secretary considers necessary.

§22-6A-12(c) Notwithstanding the foregoing provisions of this section, nothing contained in this section prevents an operator from conducting the activities permitted or authorized by a Clean Water Act Section 404 permit or other approval from the United States Army Corps of Engineers within any waters of the state or within the restricted areas referenced in this section.

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

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

Please refer to Section 2.0, Question 1 of the letter.

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

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

Please refer to Section 2.0, Question 2 of the letter.

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

Please refer to Section 2.0, Question 3 of the letter.

- 4. Provide mapping, plans, specifications and design analysis for the preferred alternative to the project.
 - a. Specify in writing what additional controls, measures, devices, monitoring, etc. will be used to protect these wetlands and/or perennial streams for which the waiver is sought.

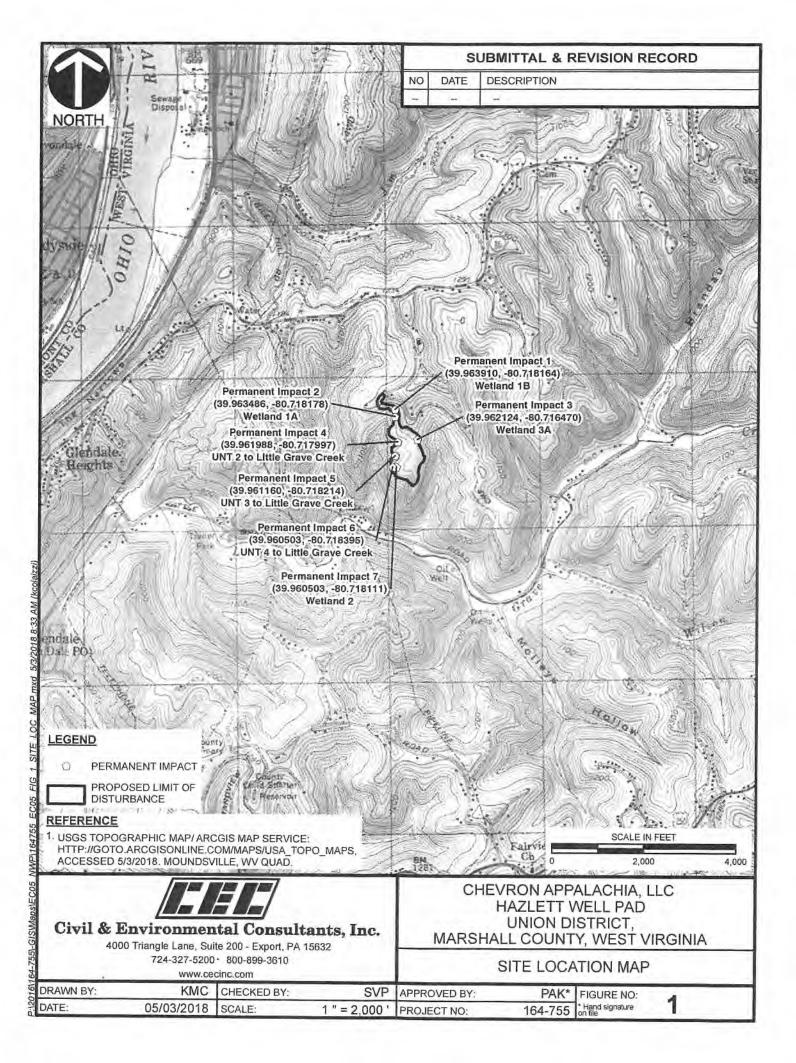
Please refer to Section 2.0, Question 4 of the letter.

ATTACHMENT B

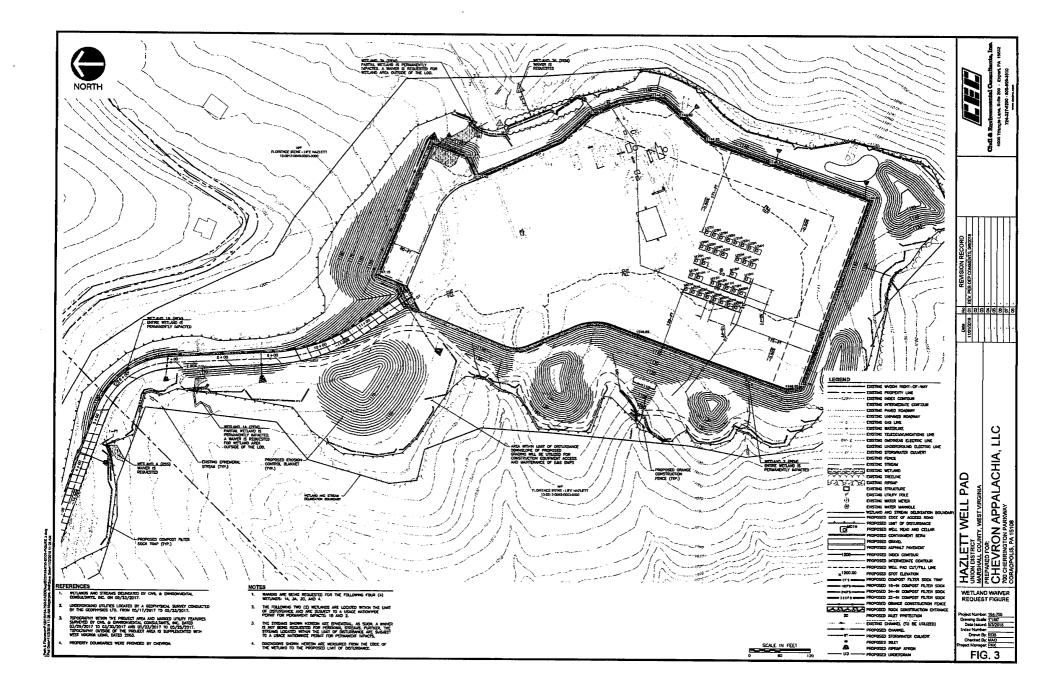
FIGURES

Civil & Environmental Consultants. Inc.

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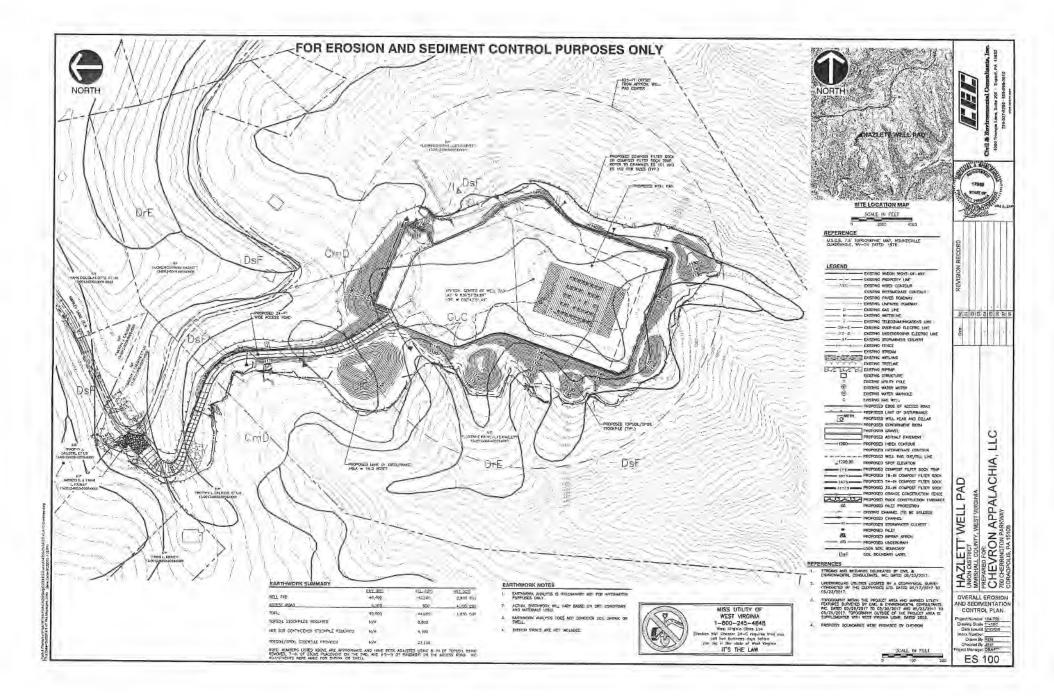


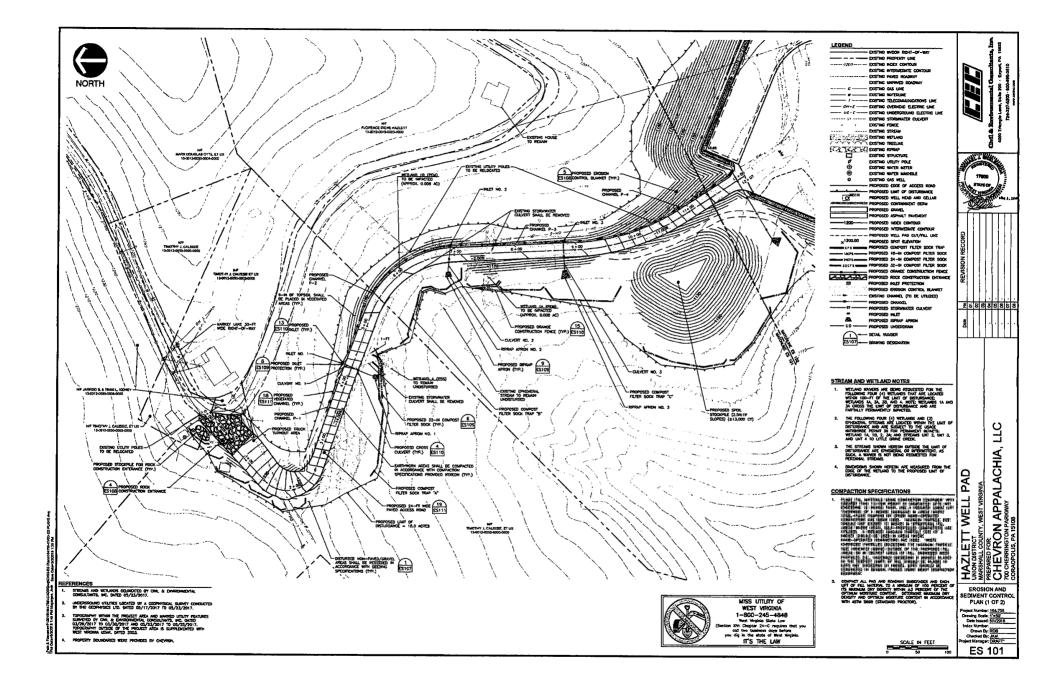


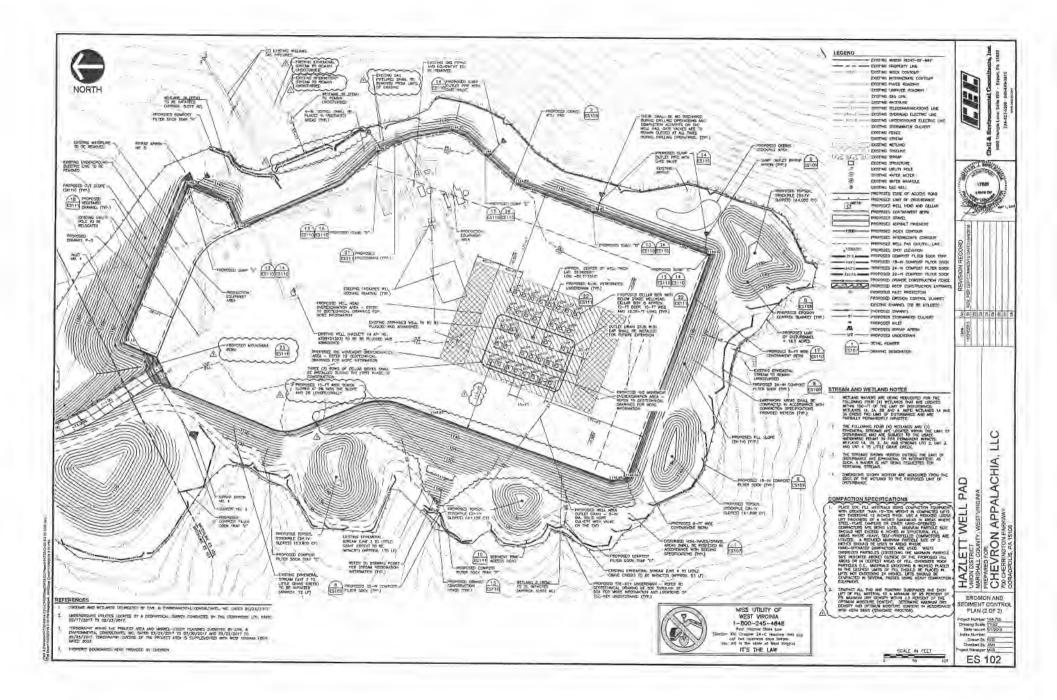
ATTACHMENT C

EROSION AND SEDIMENT CONTROL PLAN

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ATTACHMENT D

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APPLICATION FOR DEPARTMENT OF THE ARMY PERMIT

U.S. ARMY CORPS OF ENGINEERS	Form Approved -
APPLICATION FOR DEPARTMENT OF THE ARMY PERMIT	OMB No. 0710-0003
33 CFR 325. The proponent agency is CECW-CO-R.	Expires: 30-SEPTEMBER-2015

Public reporting for this collection of information is estimated to average 11 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of the collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters, Executive Services and Communications Directorate, Information Management Division and to the Office of Management and Budget, Paperwork Reduction Project (0710-0003). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to either of those addresses. Completed applications must be submitted to the District Engineer having jurisdiction over the location of the reprosed activity.

PRIVACY ACT STATEMENT

Authorities: Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section 103, 33 USC 1413; Regulatory Programs of the Corps of Engineers; Final Rule 33 CFR 320-332. Principal Purpose: Information provided on this form will be used in evaluating the application for a permit. Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public and may be made available as part of a public notice as required by Federal law. Submission of requested information is voluntary, however, if information is not provided the permit application cannot be evaluated nor can a permit be issued. One set of original drawings or good reproducible copies which show the location and character of the proposed activity must be attached to this application (see sample drawings and/or instructions) and be submitted to the District Engineer having jurisdiction over the location of the proposed activity. An application that is not completed in full will be returned.

	(ITEMS 1 THRU 4 TO BE FILLED BY THE CORPS)							
1. APPLICATION NO.	2. FIELD OFFICE CODE	3. DATE RECEIVED	4. DATE APPLICATION COMPLETE					
	(ITEMS BELOW TO BE	FILLED BY APPLICANT)						
5. APPLICANT'S NAME		8. AUTHORIZED AGENT'S NAME A	ND TITLE (agent is not required)					
First - Jenny Middle -	Last - Hayes	First - Mallory Middle - A.	Last - Owens					
Company - Chevron Appalachia, L	LC	Company - Civil & Environmenta	al Consultants, Inc.					
E-mail Address - jhayes@chevron.co	om	E-mail Address - mowens@cecinc.	.com					
6. APPLICANT'S ADDRESS:		9. AGENT'S ADDRESS:						
Address- 700 Cherrington Parkwa	iy	Address- 4000 Triangle Lane, Su	uite 200					
City - Coraopolis State - P.	A Zip - 15108 Country - US	City - Export State - 1	PA Zip - 15632 Country - US					
7. APPLICANT'S PHONE NOs. w/AR	EA CODE	10. AGENTS PHONE NOS. WAREA	CODE					
a. Residence b. Business	s c. Fax	a. Residence b. Busines	ss c. Fax					
412-865-1	533	724-327-	5200 724-327-5280					
	STATEMENT OF	AUTHORIZATION						
11. I hereby authorize, <u>CE(</u> supplemental information in support of	C, Inc. to act in my behalf as this permit application.	s my agent in the processing of this app <u> </u>	ilication and to furnish, upon request,					
	NAME, LOCATION, AND DESCRI	PTION OF PROJECT OR ACTIVITY						
12. PROJECT NAME OR TITLE (see Hazlett Well Pad	instructions)	<u></u>						
		1						
13. NAME OF WATERBODY, IF KNO		14. PROJECT STREET ADDRESS (if applicable)						
Refer to Waters Impact Summary	Table in Attachment A	Address Markey Lane / CR-10						
15. LOCATION OF PROJECT Latitude: •N 39.970510	Longitude: W -80.718898	City - Glen Dale S	State- WV Zip- 26038					
16. OTHER LOCATION DESCRIPTIO								
State Tax Parcel ID	Municipality							
Section - Tov	wnship - Union District	Range - Marshall County	y					

mile, turn left, and use the right 2 lanes to n 21st Street and then right onto Marshall Stre	herge onto US-250 S/WV-2 S via the ramp to	250 S/WV-2 S toward Moundsville. Drive 0.5 Moundsville. Drive 5.1 miles, and turn left onto comes 23rd Street and then Riley Hill Road. Drive turn right onto Markey Lane/CR-10.
proposed limit of disturbance (LOD) is app	expand an existing natural gas well pad site ar roximately 26 acres. The proposed project ar ded hillslopes. The project will require fill to	d widen the associated existing access road. The ea includes an existing well pad and access road, be placed in 0.101 acre of palustrine emergent
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19. Project Purpose (Describe the reason or purp The purpose of the project is to construct a r	ose of the project, see instructions) natural gas well pad and access road for shale	operations.
USE BLOCKS	20-23 IF DREDGED AND/OR FILL MATERIAL IS	TO BE DISCHARGED
four palustrine emergent (PEM) wetlands. T	he placement of fill material into three unnam hese permanent impacts are associated with g alled beneath the proposed fill slopes to maint	ned tributaries (UNTs) to Little Grave Creek and grading activities for expansion of the well pad ain stream flow.
21. Type(s) of Material Being Discharged and the / Type	Туре	Туре
Amount in Cubic Yards 390 CY of earthen material into wetlands	Amount in Cubic Yards 80 CY of earthen material into streams	Amount in Cubic Yards
22. Surface Area in Acres of Wetlands or Other Wa		N/A
Acres 0.101 acre of PEM wetlands	ners milea (see instructions)	
or inear Feet 288 linear feet of ephemeral strea	ms	
3. Description of Avoldance, Minimization, and Co Chevron analyzed numerous on-site configura ninimizes impacts to the furthest extent while	mpensation (see instructions) ations for the siting of the facility, and the pro e still meeting the project's purpose and need. Wetlands 3B and 4. Orange construction fer	Grading was minimized to avoid impacts to

24 January Pantha of the Work Land by Charlement	ina xan ≞i	EG. DEGURIBE THE DOWPLETED WIRK
--	------------	---------------------------------

25nuresses of Ar	dioining Property Owners, Las:	isees, Etz., Whose Proper	ty Adjoins the Waterbudy -	Martin III A. Andreas and	in an
a Address- Sec ad	lached ranks.				
Dity -		State	. <u>2</u> 0 -		
t Agorese					
City +		-State	ζ. G		
e address					
		State	Zis		
d Address					
Oly -		સંવલ	Sio		4
e Address					
City -		State	Zip -		
26. List of Other Certil AGENCY	ificates or Approvals/Denials re TYPE APPROVAL	eceived from other Federa IDENTIFICATION NUMBER	al, State or Local Agencies DATE APPLIED	e for Work Described in This A DATE APPROVED	Application.
WVDNR OLS	Right of Entry	Not yet assigned	December 2017	Pending	
WVDEP	Horizontal 64 Well P	Not yet assigned	Pending	Pending	• • • • • •
	• • • • • • • • •	ter en estatuter en e			
Would include but is a	not restricted to zoning, buildir	ng and flood plain permit	S	e e e marcara	a a a a a
27. Application is herei complete and accurate applicant SIGNATI/R	by made for permit or permits a. I further certify that I posses	to authorize the work dee	scribed in this application in the work described here	I certify that this information in ein or am acting as the duly au A. A. M.	n this application is uthorized agent of the ////S//B DATE
The Application must authorized agent if the	t be signed by the person v he statement in block 11 ha	who desires to undertal as been filled out and s	ke the proposed activity	(applicant) or it may be si	gned by a duly
I8 U.S C. Section 10 mowingly and willfull raudulent statements	201 provides that Whoever Ily falsifies, conceals, or cov is or representations or mai is or entry, shall be fined no	er in any manner within overs up any trick, schen akes or uses any false w	the jurisdiction of any dime. or disguises a mater	mai fact or makes any false	

API NO. 47-____

OPERATOR WELL NO. 8H

Well Pad Name: Hazlett

4705 102100

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

1) Well Operator: Chevron Ap	opalachia, LLC	49449935	Marshall	Union	Moundsville,WV 7
		Operator ID	County	District	Quadrangle
2) Operator's Well Number: 8H	l	Well Pa	ad Name: Haz	lett	
3) Farm Name/Surface Owner:	Hazlett	Public Ro	ad Access: CF	R 10 Marke	y Lane
4) Elevation, current ground:	1148' E	levation, proposed	l post-construc	tion: 1144'	
5) Well Type (a) Gas X Other	Oil	Une	derground Stora	age	
	illow <u>X</u> rizontal X	Deep			Mar in
6) Existing Pad: Yes or No Yes				Ú	6/26/18
7) Proposed Target Formation(s Marcellus, 6150', 50' thick; por			and Expected		
8) Proposed Total Vertical Dept	h: 6,170				
9) Formation at Total Vertical D	epth: Marcellus	6			
10) Proposed Total Measured D	epth: 21,778				
11) Proposed Horizontal Leg Le	ngth: 14,472				
12) Approximate Fresh Water S	trata Depths:	541' below GL			
13) Method to Determine Fresh	Water Depths: I	Deepest known v	water well w/in	a 3 mi radiu	s
14) Approximate Saltwater Dept	ths: Potential Br	ine @ 1754 ft and	d 2066 ft below	GL	
15) Approximate Coal Seam De	pths: Pittsburgh	Coal top @ 624	ft below GL		
16) Approximate Depth to Possi	ble Void (coal m	ine, karst, other):	624 ft below	GL	ь.
17) Does Proposed well location directly overlying or adjacent to		ms Yes	N	_o X	
(a) If Yes, provide Mine Info:	Name:				RECEIVED Office of Oil and Gas
() is the property for the result function	Depth:				AUG 3 2018
	Seam:				WV Department of tvironmental Protection
	Owner:			E	WIGHTIS

API NO. 47-____ OPERATOR WELL NO. ______

Well Pad Name: Hazlett 4705 1 02100

18)

CASING AND TUBING PROGRAM

ТҮРЕ	<u>Size</u> (in)	<u>New</u> <u>or</u> <u>Used</u>	Grade	<u>Weight per ft.</u> (lb/ft)	<u>FOOTAGE: For</u> <u>Drilling (ft)</u>	INTERVALS: Left in Well (ft)	CEMENT: <u>Fill-up</u> (Cu. Ft.)/CTS
Conductor	30"	New			50'	50'	CTS
Fresh Water	20"	New	J-55	94	591'	591'	CTS
Coal	13-3/8"	New	J-55	54.5	724'	724'	CTS
Intermediate	9-5/8"	New	L-80	40	2,116'	2,116'	CTS
Production	5-1/2"	New	P-110	20	21,778'	21,778'	2,616' (500' below 9-5/8" shoe)
Tubing	1						
Liners							

Jul 26/18

ТҮРЕ	Size (in)	<u>Wellbore</u> <u>Diameter (in)</u>	<u>Wall</u> <u>Thickness</u> <u>(in)</u>	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	<u>Cement</u> <u>Type</u>	<u>Cement</u> <u>Yield</u> (cu. ft./k)
Conductor	30"	36"					
Fresh Water	20"	26"	0.438"	2,110		Class A	1.2
Coal	13-3/8"	17-1/2"	0.38"	2,730	400	Class A	1.19
Intermediate	9-5/8"	12-3/8" to 12-1/4"	0.395"	5,750	500	Class A	1.19
Production	5-1/2"	8-1/2" to 8-3/4"	0.361"	14,360	2050	Class A, G, or H	1.25
Tubing	1						
Liners							

PACKERS

Kind:	
Sizes:	RECEIVED Office of Oil and Gas
Depths Set:	AUG 3 2018

WV Department of Environmental Protection

WW-6B (04/15) WW-6B (10/14)

AP	INO.	47		
	OPE	RATO	R WE	LL NO. 8H
				: Hazlett
47	0 5	4	02	1 00/26/18
	00			126/13
				6

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

Drill vertical depth to the Marcellus at an estimated total vertical depth of approximately 6,170'. Drill horizontal leg.

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

9525 bbl fluid - 400,000 lbm sand/stage - 9,400 anticipated max psi - 100 bpm anticipated max rate

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 25.6

22) Area to be disturbed for well pad only, less access road (acres): 15

23) Describe centralizer placement for each casing string:

Surface: (1) on shoe track w/ stop collar & (1) per jt to surface; Intermediate: (1) on shoe track w/ stop collar & (1) per 3 jts; Production String: (1) centralizer every jt from TMD to planned TOC & (1) every other joint from planned TOC to surface.

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

For the Water String the blend will contain class A cement, 3% CaCl2, and flake. The coal will contain class A cement, 3% CaCl2, Salt, and flake. The intermediate will contain class A cement, 3% CaCl2, Salt, and flake. The Production cement will have a lead and tail cement. The lead will contain class A, G, or H cement, KCl, dispersant, suspension agent, and retarder. The tail will contain class A, G, or H cement, KCl, dispersant, suspension agent, and retarder.

25) Proposed borehole conditioning procedures:

Air sections ensured to be clean via air circulation once TD is reached. Fluid sections will be threated a minimum of 2 bottoms up once casing point has been reached and until uniform much properties are achieved.

*Note: Attach additional sheets as needed.

4705 102100

AUG 3 2018

WV Department of Environmental Protection

Cement Additives

The Water String the blend will contain class A cement, 3% CaCl2, and flake.

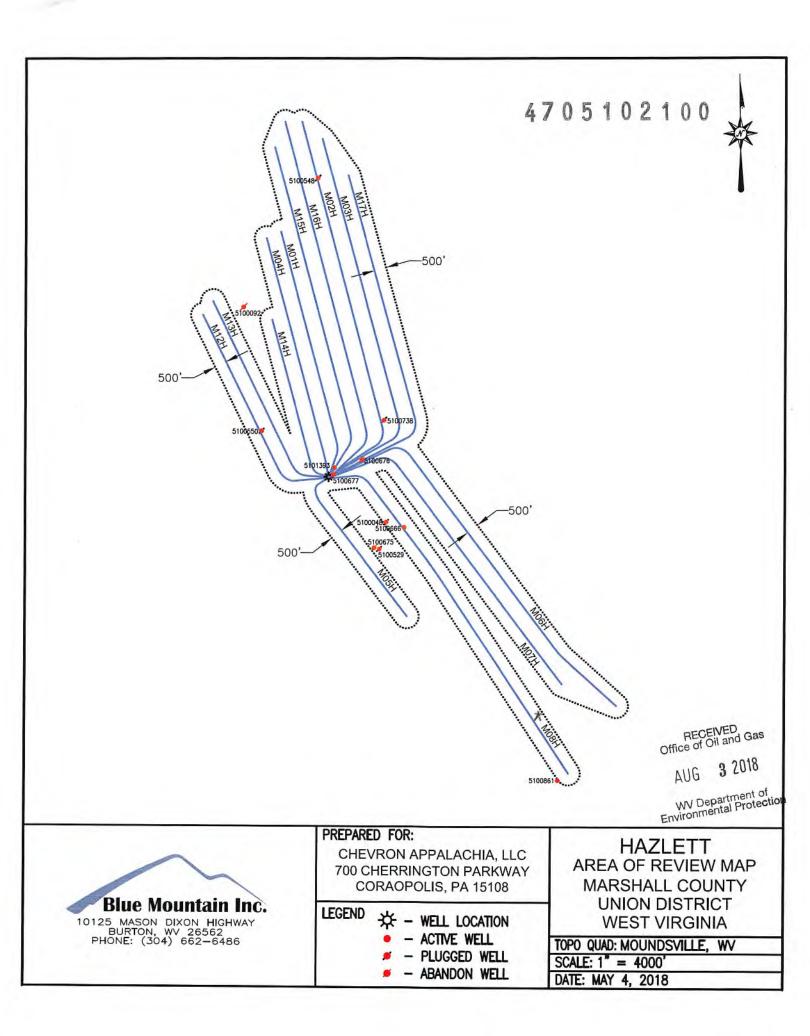
The intermediate will contain class A cement, 10% CaCl2, Salt, and flake.

The Production cement will have a lead and tail cement.

The lead will contain class A, G, or H cement, KCl, dispersant, suspension agent, and retarder.

The tail will contain class A, G, or H cement, Calcium Carbonate, KCl, dispersant, de-foamer, suspension agent, and friction reducer.

Chemin				H	azlett M	08H		470	51021	
Permit# Union District, Marshall Co, WV			-					Ground Level Elev. (ft above SL): **All depths below reference GL**	1144	
6/5/2018 14:49 DRILLING FLUID / BIT TYPE / TFA	CENTRALIZER	CASING SIZE / FORMATION	DI	EPTH	WELLHEAD DESIGN FMC UH-S 13 5/8*	HOLE	HOLE	CASING	CEMENT PROGRAM	
Core Barrel / Auger	2 Bowspring per Jt		(FT)	(FT)	INC AZM	(IN)	(FT)	Conductor	Grout to Surface	
-		30" Conductor	50	50		36	50	30" 118.2≢ X-42 29.25 Minimum 40 ft from GL or at k	east 10 ft into bedrock	
Air DRL with Mist and additive 20" Hammer	Bew Spring: (1) on shee track top calls & (1) per it over coupling to surface							Starface Casing 20"949 J-55 BTC 0.438: Wall Courling OD (In) 21.000 ID (in) 19.124 Drift ID (in) 18.937 Burst (pa) 2100 Colapas (pa) 520 Yielid (Jt Strength 1,000 bas) 1402 Capasity (bbl/t) 0.3553 Annulus (bbl/t) 0.2681	Surface Blend (Class A) Cement to surface 30% Excess	
		20° Casing	591	591		26	621	Minimum 50 ft past deepest	known fresh water	
Air DAL with Mist and additive	Bow Spring: (1) on shoo track wi stop collar & (1) por prover coupling. (1) installed 100 ff from surface Basket Placement Secured wi (2) lock rings above and (1) below	Basket Placement Top of Coal Deepest Coal		0)		Coal String 13-3/8" 54,54,54-55 BTC 0.380" Wall Coupling DD (rin) 14.375 DD (rin) 12.615 Dirt ID (rin) 12.455 Burst (psi) 2730 Colapse (psi) 1130 Yield (Jt Strength 1,000 lbs) 853	Intermediate I Bland (Class A) Cement grout to surface Shoe Job Vol. (50% Excess) Grout Job Vol. (100% Excess)	
		13-3/8" Casing	724	724		17.50	754	Minimum 30 ft - Optimum 50 f	t past deepest coal	
	Bow Spring:							Intermediate Casing 9-5/8" 40# L-80IC BTC	Intermediate II Blend (Class A) Coment to surface	
ir DRL with Mist and additives	(1) on shoe taak wiisto colar 8 (1) per 3 its over coupling							0.395' Wal Couping OD (in) 10.625 10 (in) 8.835 Drift ID (in) 8.673 Burst (srij 5750 Collapse (pa) 3060 Yield (Jt Strength 1.000 (bs) 916	30% Excess	
_		9-5/8" Casing	2,116	2,116		12.25	2,176	Set 100' below the M	urrysville	
	Surface - TOC (1) per every other jt TOC-Curve KOP (1) per jt of csg Curve KOP-TMD (1) per jt of csg (1) per jt of csg 10' Marker Jt of Csg 100' above KOP							Production Casing 5-1/2" 20# P110EC DWC/C-IS-Pkus 3-81" Wall Coupling OD (in) 6:300 ID (in) 4.778 Drift ID (in) 4.663 Burst (pai) 14360 Colapse (pai) 12000 Yield (Jt Strength 1.000 lbs) 729	Production Lead Skurry (Class A. G. H) Cement top approximately 500' below 9 5%" shoe	
		КОР				8.5 to 8.75				
anned MW: 11.5ppg SBM - 12.5ppg SBM									Production Tail Sturp CEIN (Class A. G. AREC OIL Office of OIL AUG M. W. De UZENWSenm	
	Float Equip, (2) Jts of Csg Float Equip,	Est. BHT deg. F 5-1/2" Casing	21,778	144 6,170		8.500 2	1,793		12Endrem	



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	- F	Producing Zones NOT Performan	LINKNOWN	INKNOMA		UNKINOWIN	IUNKNOWN	I INKNOWN		NMONIANO	UNKNOWN	I INIZACIANA	NIAONINAIO	UNKNOWN	LINKNOWN		UNNING	UNKNOWN	
			JWN BEREA SANDSTONE					0' GORDON SANDSTONE				BIG INJUN			GORDON SANDSTONE			HENDREIT	
	Latitude Longitude Varimei TT	0			39.961821 -80.716665 6250	39.961040 -80.716806 3100'			39.9/9/62 -80.730517 UNKNOWN	39.965829 -80.727542 2612			39.955223 -80.706218 2700'			39.352756 -80.709837 1624	39.927045 -80.682911 - 276		
	Status Le	PLUGGED 3	╀	+	4	-	ABANDONED 30	4	+	PLUGGED 36	PI UGGED 30	+	-	ABANDONED 39	DI LICCED	┦	ACTIVE 39		
	DACE POPULIC - DEP	LACE, PREBLE & BOWER INC.	MID-CON PETROLEUM CO., INC	CHEVRON APPALACHIA LLC	LINIVERSAL MINEDAL INC		UNIVERSAL MINERAL, INC.	CONLEY & ASSOC	PACE, PREBLE & ROWED INC.		WASMUTH - CALLAHAN GAS CO.	UNIVERSAL MINERAL INC	IINN/EDCAL ANNEDAL INC.	CITETONE INTINEMAL, INC.	PACE-BOWER CONSTRUCTION	CNX GAS COMPANY 11 C			
Prior Oberster On Desert	PACE, PREBLE & BOWFR INC	MID CON DETROY FULL OG 1010	THIS AND FEIROLEUM CO., INC.	CHIEF OIL & GAS LLC	COLEMAN, C R	COLEMAN. C.R.		NULLER VIL & GAS	PACE, PREBLE & BOWER INC.	WASMUTH - CALLAHAN GAS CO		CULEMAN, C R	COLEMAN, C R	PACE BOINED CONCTRUINTION	THE POWER CONSTRUCTION	CNX GAS COMPANY, LLC			
	47-051-00548	47-051-0073R	A7 064 04000	- 1		47-051-00676	47-051-00092			47-051-00048	47-061 00666		47-051-00675	47-051-00529	Т	19800-Tco-/+			

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Office of CHIVED Office of Chilard Gas AUG 7 2018 Environmental Protection

WW-9	
(5/16)	API Number 47
	Operator's Well No. Hazlett 8H
DEPARTMENT OF OFFIC	E OF WEST VIRGINIA ENVIRONMENTAL PROTECTION CE OF OIL AND GAS DISPOSAL & RECLAMATION PLAN
Operator Name Chevron Appalachia, LLC	OP Code 49449935
Watershed (HUC 10) Short Creek - Ohio River	Quadrangle Moundsville, WV 7.5'
Do you anticipate using more than 5,000 bbls of water to Will a pit be used? Yes No	complete the proposed well work? Yes No No
If so, please describe anticipated pit waste:	
Will a synthetic liner be used in the pit? Yes	No If so, what ml.?
Proposed Disposal Method For Treated Pit Wast	es:
	rovide a completed form WW-9-GPP)
Underground Injection (UIC I	
Reuse (at API Number_at next a Off Site Disposal (Supply form	
Will closed loop systembe used? If so, describe: Yes, we	e will be utilizing multiple open/closed top tanks
Drilling medium anticipated for this well (vertical and ho	rizontal)? Air, freshwater, oil based, etc. Air to KOP & Oil based from KOP to TMD
-If oil based, what type? Synthetic, petroleum, e	
Additives to be used in drilling medium?Barite, fluid loss,	
Drill cuttings disposal method? Leave in pit, landfill, rem	oved offsite, etc. Removed offsite
-If left in pit and plan to solidify what medium w	ill be used? (cement lime sawdust) N/A
	reek Landfill/SWF-1034/WV0109517 and Arden Landfill/#100172
Permittee shall provide written notice to the Office of Oil West Virginia solid waste facility. The notice shall be pro- where it was properly disposed.	and Gas of any load of drill cuttings or associated waste rejected at any vided within 24 hours of rejection and the permittee shall also disclose
I certify that I understand and agree to the terms	and conditions of the GENERAL WATER POLLUTION PERMIT issued

on April 1, 2016, by the Office of Oil and Cas 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	Office of Oil and Gas
Company Official (Typed Name) Jenny Hayes	
Company Official Title Permitting Team Lead	WV Department of WV Departmental Protection Environmental Protection
Subscribed and sworn before me this 27th day of June	, 2018 County of Allegheny
Hunasovage	Notary Public Commonwealth of Pennsylvania - Notary Seal Laura Savage, Notary Public
My commission expires September 17, 2018	Allegheny County My commission expires September 17, 2018 Commission number 1285773
	Member, Pennsylvania Association of Notaries

Lime 3	Tons/acre or to correct	t to pH		
Fertilizer type 10-	20-20			
Fertilizer amount_3	300	lbs/acre		
Mulch 3, 5 for w	vinter stabilization	_Tons/acre		
		Seed Mixtures		
Т	emporar y	Perma	nent	
Seed Type	lbs/acre	Seed Type	lbs/acre	
See Attached		See Attached		

Attach:

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

Photocopied section of involved 7.5' topographic sheet.

Approved by: June Under	apport		
		· · · · · · · · · · · · · · · · · · ·	
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Contract A			WV Department
Oil & Gas lugestor	Date:	6/26/18	WV Department Environmental Prot
O: d Gas luzze for Reviewed?	Date:	6/26/18	WV Department Environmental Prot

SEED MIXTURE								
Temporary			Permanent					
Seed Type Lbs/Acre			Seed Type	Lbs/Acre				
Annual Ryegrass	or	50	50 Hayfield, Pastureland, & Cropland					
Winter Wheat		75	Orchard Grass	80				
			Timothy	80				
	· · ·		Birdsfoot – Trefoil	20				
			Ladino Clover	20				

RECEIVED Office of Oil and Gas AUG **3 2018** WV Department of Environmental Protection



Chevron

Appalachian LLC WV Well Site Safety Plan Pad: Hazlett Pad A

Well # M08H

28 Timmi Lane Glen Dale, WV 26038 Glen Dale District Marshall County, WV

JN 7/9/18

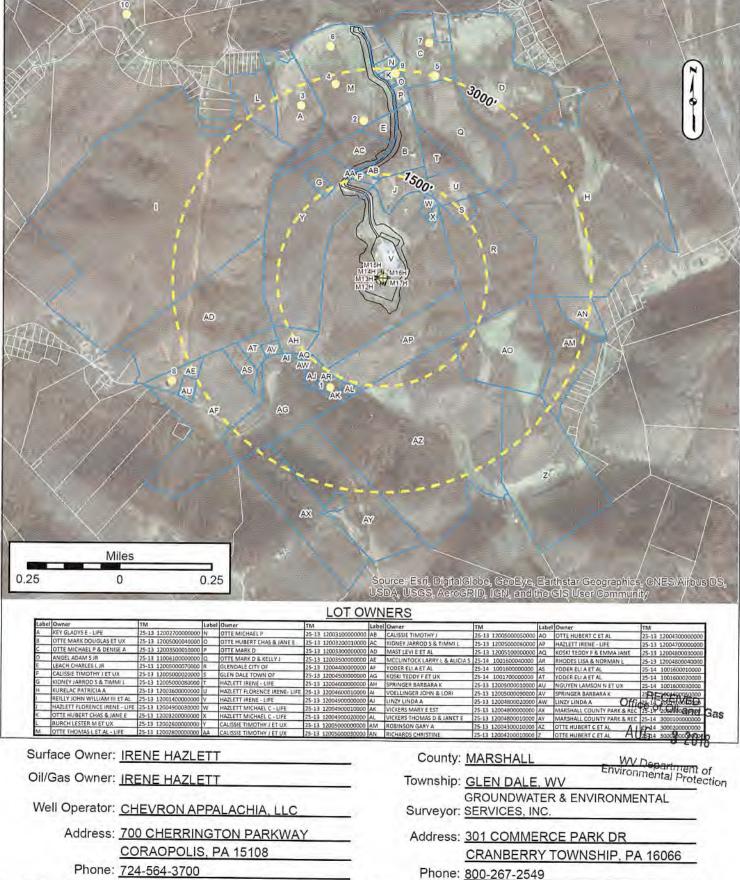
Access Point – [39.964486°N, 80.719328°W] Well Site – [39.961756°N, 80.717081°W] Marshall County, West Virginia

> Office of Oil and Gas AUG 3 2018 Y V December of opmental Protection



WATER SUPPLY EXHIBIT HAZLETT PAD A BATCH #2





Phone: 724-564-3700

NOTICE: THE INTENT OF THIS EXHIBIT IS TO IDENTIFY EXISTING WATER SUPPLIES IN THE VICINITY OF A PROPOSED GAS WELL, AND IS NOT A COMPLETE BOUNDARY SURVEY. PROPERTY LINES AND OWNER INFORMATION WERE OBTAINED FROM DEEDS, TAX RECORDS, AERIAL PHOTOGRAPHY, GIS, AND FIELD SURVEYED EVIDENCE.



Water Supply Exhibit Hazlett Pad A Batch #2



No.	WATER PURVEYOR	SUPPLY	ELEV.	ADDRESS	PHONE #
1	VICKERS THOMAS D & JANET E	Creek	766	1526 LITTLE GRAVE CREEK DRIVE	304-845-4568
2	OTTE, MICHAEL; OTTE, MARK; OTTE, HUBERT & JANE; KEY, GLADYS	Spring	1,167	224 MARKEY HILL LANE	304-232-0478
3	KEY GLADYS E - LIFE	Spring	1,179	1875 GLEN DALE HIGHTS ROAD	304-312-1408
4	OTTE, MICHAEL; OTTE, MARK; OTTE, HUBERT & JANE; KEY, GLADYS	Spring	1,169	224 MARKEY HILL LANE	304-232-0478
5	OTTE MICHAEL P & DENISE A	Spring	1,192	26 JOHN DEERE DRIVE	304-312-9337
6	OTTE, MICHAEL; OTTE, MARK; OTTE, HUBERT & JANE; KEY, GLADYS	Spring	1,173	224 MARKEY HILL LANE	304-232-0478
7	OTTE MICHAEL P & DENISE A	Spring	1,199	26 JOHN DEERE DRIVE	304-312-9337
8	MCCLINTOCK LARRY L & ALICIA S	Well	718	1456 LITTLE GRAVE CK DRIVE	304-810-0571
9	OTTE MICHAEL P	Well	1,349	26 JOHN DEERE DRIVE	304-312-9337
10	REILLY JOHN WILLIAM III ET AL	Well	1,160	80 RED FARM LANE	304-233-7824

No.	SUPPLY COORDINATES	M12H	M13H	M14H	M15H	M16H	M17H	
1	39°57'23.25240"N 80°43'11.50320"W	1,677	1,693	1,723	1,738	1,740	1,725	
2	39°58'00.68520"N 80°43'06.23640"W	2,271	2,258	2,230	2,217	2,231	2,245	
3	39°58'02.65440"N 80°43'17.77080"W	2,719	2,708	2,687	2,676	2,698	2,709	
4	39°58'05.77200"N 80°43'11.60400"W	2,854	2,842	2,816	2,804	2,821	2,834	
5	39°58'07.12560"N 80°42'53.30160"W	2,998	2,983	2,953	2,938	2,941	2,956	1.1
6	39°58'11.03880"N 80°43'12.64800"W	3,392	3,379	3,353	3,341	3,357	3,370	14 M
7	39°58'11.79480"N 80°42'54.45000"W	3,440	3,425	3,395	3,380	3,385	3,400	
8	39°57'23.72400"N 80°43'40.66680"W	3,305	3,316	3,338	3,349	3,370	3,359	
9	39°58'07.43880"N 80°43'00.60240"W	2,943	2,928	2,899	2,885	2,894	2,908	
10	39°58'15.08160"N 80°43'50.22120"W	5,238	5,232	5,219	5,212	5,240	5,246	

RECEIVED Office of Oil and Gas

AUG 3 18

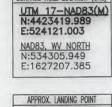
WV Department of Environmental Protection

SH SH	L is located on topo L is located on topo	map <u>11,096</u> feet sou map 14,360 feet sou	th of Latitude: <u>39 · 57 ' 30 "</u> th of Latitude: <u>40 · 00 ' 00</u> "	/
Transford and the second secon	SEE PAGE 2 FOR SU			
FAR -L-L-L	1/	SURFACE HOLE LOCATION (SHL	LEGEND	SHL
THE 100676	WELL	UTM 17-NAD83(M N:4423419.989 E:524121.003	- TOPO MAP POINT	<u>ı</u> . <u>s</u> .
2 5101393	HAZLETT MOBH	NAD83, WV NORTH	· WELL O - ALL ARE POINTS UNLESS	located
5100677 2400'	TO LITTLE PAVE CREEK SHEPP	N:534305.949 E:1627207.385	OTHERWISE NOTED. - MINERAL TRACT	ted
	W000W	APPROX, LANDING POINT	BOUNDARY	on
STARE 180	0. H1	UTM 17-NAD83(M		topo
STAKE	APPROXIMATE		- PROPOSED HORIZONTAL WELL	
CREEK PD 151000483	FEABODY CT	RIZONTAL LEG <u>NAD83, WV NORTH</u> N:534106.408	- ROAD - STREAM CENTER LINE	map
	5100666 B	E:1628924.226	- LESSORS	1.1
ZUTTLE CRAVE CREEK SIGORTS	S) . FOO'	BOTTOM HOLE LOCATION (BHL)	GAS WELLS	4,119 2,592
Siloud75 St	20529	UTM 17-NAD83(M N:4419800.42 E:527228.15	 EXISTING WELLS PLUGGED WELLS 	
\$100658		NAD83, WV NORTH		feet
HAZLETT MOBH	1.0	N:522257.78 E:1637204.923	LINE BEARING DISTANCE	west
MAPLE UNNAMED TRIBUT	ARY UNNAMED TRIBUARY	- IN NEL	R1 N 22'30'57" W 212.09' R2 N 31'53'29" W 173.85'	+++
OAK AS TO LUTLE GRAVE	CREEN 1 00 /	of pase ETT	R3 N 51'56'07" W 161.13' R4 N 38'02'29" W 970.03' R5 S 50'18'10" W 1130.12'	of L
MAPLE P.		a light E	R5 S 50'18'10" W 1130.12' R6 S 35'55'27" W 1391.04'	ong
	/ \TTT		ELSHON LN	Longitude: Longitude:
REFERENCE		OF THE THE	WAMED TRIBUTARY	
	1 1 /	C C C C C C C C C C C C C C C C C C C		80.
WELL PAD ORIENTATION DETAIL	, DELTA RD 5/ CHAS	(n	And the second s	42'
DETAIL	ROXIE RD		ALE XUS ROURE 250	30 "
MODULO MICHO MICH-	A		LINUS ACRES DUNNAMET	D TRIBUTARY S RUN
M030 0 M1410 M1740 (25140)	SEE DETAI		ALL I	
MC5HYD MESHO UZ4HO UZ4HO W28HC	•5101343 BEAM	BYRNES LN	111 1 1	11
MOTH O MICHO USANCO	US ROUTE 250	PROPOSED HORIZ	X a X	
MOREQUENCIAL 122HC		LENGTH 14472'±		AL
034HC) 1. NT.S 2. F	There are no water wells or developed springs with Proposed well is greater than 100' from perennial s	nin 250' af proposed well.	TO TOMS RUN	T
3 7	eservoir or lake. There are no native trout streams within 300' of pro		ARY SHL	72
	Proposed well is greater than 1000' from surface g vater supply. I is not the purpose or intention of this plat to repre-			
Blue Mountain Inc.	surface or mineral parcels depicted hereon. The lo as shown, are based on record deed descriptions,	field avidence found and lines,	BAL	(D) is i
11023 MASON DIXON HIGHWAY	ax map position, unless otherwise noted. There are no existing buildings within 625' of propo	/ 510134	5100861	
		NONED LIEDERY AEDTIEV 1	TUAT THIS INTORGE Q	1111
FILE #: HAZLETT MO8H	PLAT IS CORRECT TO T	SIGNED, HEREBY CERTIFY 1 THE BEST OF MY KNOWLEDO	E AND	+ 11
DRAWING #: HAZLETT MO8H	BELIEF AND SHOWS AL	L THE INFORMATION REQUI	RED BY	
SCALE: 1" = 2000'		TIONS ISSUED AND PRESCR ENVIRONMENTAL PROTECT	ION.	
MINIMUM DEGREE	M.	01.	TOT VIRGIN	C)0
OF ACCURACY: 1/2500	Signed:	nge alle	SSIONAL SUR	mun
PROVEN SOURCE OF ELEVATION: THOMAS 1498.81'	R.P.E.:	L.L.S.: P.S. No.	2000 PLACE SEAL H	ERE
OF ELEVATION: THOMAS 1498.81' (+) DENOTES LOCATION OF WELL ON				
UNITED STATES TOPOGRAPHIC MAPS	OF WLST VIL	DATE:	MAY 09, 2018	
WVDEP	in the second	OPERATOR'S WE	ALL #: HAZLETT MO8H	
OFFICE OF OIL & GAS 601 57TH STREET		API WELL #:	7 51 02/00	-
CHARLESTON, WV 25304	Same of the		TE COUNTY PERMIT	
	X Production Deep			Shallow
WATERSHED: SHORT CREEK-OHIO RIVER			N:1148.00'	
COUNTY/DISTRICT:MARSHALL / UNIC				
SURFACE OWNER: IRENE HAZLETT-LIF	E	AC	CREAGE: 77.24±	
DONALD BOYD YOHO, OIL & GAS ROYALTY OWNER: LARRY JOHN MCCRAC				
DRILL X CONVERT DRILL DEEPE				FION
PERFORATE NEW FORMATION D PLUG	& ABANDON 🗌 CLEA	AN OUT & REPLUG 🗌 🛛 🤇	OTHER CHANGE	
(SPECIFY):				
TARGET FORMATION: MARCELLUS		ESTIMATED DEPTH:	TVD: 6,200'± TMD: 21,777.72'	'±
	, LLC		TVD: 6,200°± TMD: 21,777.72 KENNETH E. TAWNEY	'±
WELL OPERATOR CHEVRON APPALACHIA Address 700 CHERRINGTON PARKWAY	, LLC ip Code 15108	ESTIMATED DEPTH: DESIGNATED AGENT Address 500 LEE STREET, City CHARLESTON	KENNETH E. TAWNEY	

HAZLETT M08H PAGE 2 OF 2

	SURFACE OWNER	DIST-TM/PAR
1	IRENE HAZLETT-LIFE	13-12/49
2	CITY OF GLENDALE	13-12/44
3	HUBERT C. OTTE ET AL	13-12/43
4	GARY A. ROBINSON	13-12/43.1
5	DAVID R. & JOAN M. BURKETT	13-12/42.2
6	SAMUEL RICHARD DERROW ET UX	13-12/42.8
7	DAVID R. & JOAN M. BURKETT	13-12/42.5
8	DAVID R. BURKETT ET UX	14-3/5
9	HUBERT C. OTTE ET AL	14-3/44
10	DONNA L. CLAYTON	14-3/42
11	DONALD HILL	14-3/43
12	DONNA L. CLAYTON	14-3/41
13	DENNIS G. O'NEIL ET UX	14-3/40
14	GARRETT D. O'NEIL	14-3/40.3
15	ARCHIE KURTIS & SABRINA STEVEY	14-3B/19
16	MICHAEL SNEIGLE	14-3B/15
17	DANIEL L. STEVEY ET UX	14-3B/21
18	ARCHIE K. & SABRINA STEVEY	14-3B/14
19	DAVID L. & MALINDA L. STEVEY	14-3B/16
20	WILLIAM L. BANDY ET UX	14-3B/11
21	RONALD D. & SANDRA SUE MARTIN	14-3B/10
22	NANCY S. & CHAD M. DAVIS	14-3B/9
23	*HARRY LEE SNEIGLE - LIFE	14-3B/20
24	SANDREA M. SCHANE	14-3/35
25	DAVID W. & DENISE ARMS	14-3/33
26	OLLIE C. HUGGINS	14-7/31.1
27	WANDA K. SULLIVAN	14-7/32
28	HAROLD C. SCHWING ET UX	14-7/31
29	MICHAEL J. & ANGELA PHILLIPS	14-7/30
30	WHEELING POWER CO.	14-7/42.1
31	WILLIAM H., III & LINDA BARDALL	14-7/42

	LESSOR	DIST-TM/PAR
A	DONALD BOYD YOHO	13-12/49
	KELLY ANN MEASE	
	ZANE EDWARD NEILSEN	
	NANCY A. BAKER	
	LARRY JOHN MCCRACKEN	
	PATRICIA ANN MCCRACKEN	
	ROBERT JAY MCCRACKEN	
_	FLORENCE HAZLETT ET AL	
В	JOHN CARL HAZLETT	13-12/44
	FLORENCE HAZLETT	
С	RICHARD JOSEPH OTTE	13-12/43
	CAROLINE PENTZIEN	
	PATRICIA GAIL FOSTER	
	NANCY JEAN CUNNINGHAM	
	REBECCA ANN YOHO	
	HUBERT C. OTTE ET UX	
	MICHAEL P. OTTE	
_	MARK DOUGLAS OTTE	
D	GARY A. ROBINSON	13-12/43.1
E	DAVID & JOAN BURKETT	13-12/42.2
F	DAVID & JOAN BURKETT	13-12/42.5
G	DAVID & JOAN BURKETT	14-3/5
н	RICHARD JOSEPH OTTE	14-3/44
	CAROLINE PENTZIEN	
	PATRICIA GAIL FOSTER	
	NANCY JEAN CUNNINGHAM	
	REBECCA ANN YOHO	
	HUBERT C. OTTE ET UX	
	MICHAEL P. OTTE	
	MARK DOUGLAS OTTE	
J	DONNA L. CLAYTON	14-3/42
К	DONALD HILL	14-3/43
L	DONNA L. CLAYTON	14-3/41
М	DENNIS O'NEIL ET UX	14-3/40
N	GARRET D. O'NEIL	14-3/40.3
P	DENNIS O'NEIL ET UX	14-38/19
Q	DENNIS O'NEIL ET UX	14-3B/15
R	DENNIS O'NEIL ET UX	14-3B/21
S	DENNIS O'NEIL ET UX	14-3B/14
Т	DENNIS O'NEIL ET UX	14-3B/16
U	DENNIS O'NEIL ET UX	14-3B/11
V	DENNIS O'NEIL ET UX	14-3B/10
W	DENNIS O'NEIL ET UX	14-3B/9
Х	*DENNIS O'NEIL ET UX	14-3B/20
Y	THOMAS L. SCHANE ET UX	14-3/35
Z	BRIDGET MARIE CARMICHAEL	14-3/33
AA	OLLIE C. HUGGINS	14-7/31.1
BB	WANDA K. SULLIVAN	14-7/32
CC	HAROLD C. SCHWING ET UX	14-7/31
DD	MICHAEL J. PHILLIPS ET UX	14-7/30
EE	EDWARD LOUIS LEHASKY JR.	14-7/42
	ELLEN BEAM RUDY ET VIR	
	WILLIAM DORSEY BEAM ET UX	
	ROSS BELL JR.	
	WILLIAM DORSEY ET UX	



SURFACE HOLE LOCATION (SHL)

UTM 17-NADB3(M) N:4423367.94 E:524645.06 NADB3, WV NORTH N:534106.408 E:1628924.226

BOTTOM HOLE LOCATION (BHL) UTM 17-NAD83(M) N:4419800.42 E:527228.15 NAD83, WV NORTH N:522257.78 E:1637204.923



* - DENOTES PARCEL WITHIN 30 FEET OF PLANNED WELL BORE



MAY 09, 2018

WW-6A1 (5/13)

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

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:	Chevron Appalachia, LLC					
By:	Jenny Hayes Jenny Harks					
Its:	Permitting Team Lead					

Page 1 of 4

QLS NO	% Owned	Plat ID	Parcel	Lessor	Lessee	Royalty	Book/Page	Assignment #1	Assignment #2	Assignment #3	Assignment #4
934442	6.25%	1	13-0012-0049-0000-0000	Yoho, Donald Boyd	Chevron U.S.A. Inc.	0.18	854/74	,	7		
934443	6.25%	1	13-0012-0049-0000-0000	Mease, Kelly Ann	Chevron U.S.A. Inc.	0.18	859/86	*			
934444	12.50%	1	13-0012-0049-0000-0000	Neilsen, Zane Edward	Chevron U.S.A. Inc.	0.18	848/632			5. C	
934837	12.50%	1	13-0012-0049-0000-0000	Baker, Nancy A	Chevron U.S.A. Inc.	0.18	911/615			4	
934842	4.17%	1	13-0012-0049-0000-0000	McCracken, Larry John	Chevron U.S.A. Inc.	0.18	848/581	62	12		
934843	4.17%	1	13-0012-0049-0000-0000	McCracken, Patricia Ann	Chevron U.S.A. Inc.	0.18	848/586	4	12	*	
934846	4.17%	1	13-0012-0049-0000-0000	McCracken, Robert Jay	Chevron U.S.A. Inc.	0.18	848/591				
951834	50.00%	1	13-0012-0049-0000-0000	Haziett, Florence et al	Chevron U.S.A. Inc.	0.1875	949/19				
331034	30-00M		13-0012-0045-0000-0000	Haziett, John Cari	TriEnergy Holdings, LLC	0.16	705/270	24/180 TriEnergy Holdings, LLC	24/466 AB Resources LLC & NPAR LLC to Chief Exploration &	25/105 Chief Exploration & Development LLC et al	756/332 NPAR, LLC to Chevron
		0						to NPAR, LLC	Development LLC & Radier 2000 Limited	& Radler 2000 Limited Partnership to Chevron U.S.A. Inc.	U.S.A. Inc.
867363	50.00%	2	13-0012-0044-0000-0000	and the second of the			040400		Partnership	Second Provide Street	
951832	50.00%	2	13-0012-0044-0000-000D	Haziett, Florence	Chevron U.S.A. Inc.	0.1875	949/26			3	
951838	6.67%	3	13-0012-0043-0000-0000	Otte, Richard Joseph	Chevron U.S.A. Inc.	0.1875	939/130		-		
951840	5.57%	з	13-0012-0043-0000-0000	Pentzien, Caroline	Chevron U.S.A. Inc.	0.1875	950/196	7	F		
951841	6.67%	3	13-0012-0043-0000-0000	Foster, Patricia Gail	Chevron U.S.A. Inc	0.1875	950/218				
951842	6.67%	3	13-0012-0043-0000-0000	Cunningham, Nancy Jean	Chevron U.S.A. Inc.	0.1875	950/215	- P-		(e)	*
951843	5.67%	з	13-0012-0043-0000-0000	Yoho, Rebecca Ann	Chevron U.S.A. Inc.	0.1875	950/212				-
951844	33:20%	3	13-0012-0043-0000-0000	Otte, Hubert C. et ux	Chevron U.S.A. Inc.	0 1875	939/127		~	(f)	1
951846	18:58%	3	13-0012-0043-0000-0000	Otte, Michael P.	Chevron U.S.A. Inc.	0.1875	935/16	*		8	
951847	18,60%	3	13-0012-0043-0000-0000	Otte, Mark Douglas	Chevron U.S.A. Inc.	0.1875	939/180	i-	-		
949682	100.00%	4	13-0012-0043-0001-0000	Robinson, Gary A.	Chevron U.S.A. Inc.	0.15	912/448				
									24/490	25/105	
								24/180	AB Resources LLC to	Chief Exploration &	756/332
867075	100.00%	5	13-0012-0042-0002-0000	Burkett, David & Joan	TriEnergy Holdings, LLC	0.1875	696/198	TriEnergy Holdings, LLC to NPAR, LLC	Chief Exploration & Development LLC & Radier 2000 Limited Partnership	Development LLC et al & Radler 2000 Umited Partnership to Chevron U.S.A. Inc.	NPAR, LLC to Chevron U.S.A. Inc.
943147	100.00%	6	13-0012-0042-0008-0000	Derrow, Samuel R. et ux	Chevron U.S.A. Inc.	0.17	889/422				
								24/180	24/490 AB Resources LLC to	25/105 Chief Exploration &	756/332
				Burkett, David & Joan	TriEnergy Holdings, LLC	0.1875	696/198	TriEnergy Holdings, LLC to NPAR, LLC	Chief Exploration & Development LLC & Radler 2000 Limited	Development LLC et al & Radler 2000 Limited Partnership to Chevron	NPAR, LLC to Chevron U.S.A. Inc
867075	100.00%	7	13-0012-0042-0005-0000					24/180	Partnership 24/490 AB Resources LLC to	U.S.A. Inc. 25/105 Chief Exploration &	756/332
				Burkett, David & Joan	TriEnergy Holdings, LLC	0.1875	696/198	TriEnergy Holdings, LLC to NPAR, LLC	Chief Exploration & Development LLC & Radler 2000 Limited	Development LLC et al & Radler 2000 Limited Partnership to Chevron	NPAR, LLC to Chevron U.S.A. Inc.
867075	100.00%	8	14-0003-0005-0000-0000						Partnership	U.S.A. Inc.	
951823	100.00%	9	14-0003-0004-0000-0000	Burkett, David R. et ux	Chevron U.S.A. Inc.	0.1875	939/145			*	
951838	6.67%	9	14-0003-0044-0000-0000	Otte, Richard Joseph	Chevron U.S.A. Inc	0.1875	939/130				*
951840	6.67%	9	14-0003-0044-0000-0000	Pentzien, Caroline	Chevron U.S.A. Inc.	0 1875	950/196			1.4	*
951841	6.67%	9	14-0003-0044-0000-0000	Foster, Patricia Gail	Chevron U.S.A. Inc.	0 1875	950/218				
951842	6.67%	9	14-0003-0044-0000-0000	Cunningham, Nancy Jean	Chevron U.S.A. Inc.	0 1875	950/215			1.0	÷
951843	6.67%	9	14-0003-0044-0000-0000	Yoho, Rebecca Ann	Chevron U.S.A. Inc.	0.1875	950/212				
951844	33.33%	9	14-0003-0044-0000-0000	Otte, Hubert C. et ux	Chevron U.S.A. Inc.	0.1875	939/127				
951846	16.67%	9	14 0003 0044 0000 0000	Otte, Michael P.	Chevron U.S.A. Inc.	0.1875	935/16	4	1	4	
	16.67%	9	14-0003-0044-0000-0000	Otte, Mark Douglas	Chevron U.S.A. Inc.	0.1875	939/180		1000		
051844	10.01.2	9	74.0003-0044-0000-0000	orre, mark bougas	superior dia es mo	0.7013	333/ 490		24/490	25/105	
951847									AB Resources LLC to	Chief Exploration &	-
951847							11.277	23/80	Chief Exploration &	Development LLC et al	756/332
951847				Clayton, Donna L.	TriEnergy Holdings, LLC	0.16	694/272	TriEnergy Holdings, LLC to NPAR, LLC	Development LLC &	& Radler 2000 Limited	NPAR, LLC to Chevron U.S.A. Inc.
951847 866907	100.00%	10	14-0003-0042-0000-0000	Clayton, Donna L.	TriEnergy Holdings, LLC	0.16	694/272				115 A 30C

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NOV 2 7 2018

QLS NO	% Owned	Plat ID	Parcel	Lessor	Hazlett Unit #8H - MARC	Royalty	Book/Page	Assignment #1	Assignment #2	Assignment #3	Ausignment #4
		P 101 110		LEIDOW	Leasure	I ROYBICY	1 DOOX Page	i wasifuuran wa i	24/490	25/105	
866907	100.00%	12	14-0003-0041-0000-0000	Clayton, Donna L.	TriEnergy Holdings, LLC	0.16	694/272	23/80 TriEnergy Holdings, LLC to NPAR, LLC	AB Resources LLC to Chief Exploration & Development LLC & Radier 2000 Limited Partnership 24/490	Chief Exploration & Development LLC et al & Redier 2000 Limited Partnership to Chevron U.S.A. Inc. 25/105	756/332 NPAR, LLC to Chevron U.S.A. Inc.
866910	100.00%	13	14-0003-0040-0000-0000	O'Neii, Dennis et ux	TriEnergy Holdings, LLC	0.1875	694/278	23/80 TriEnergy Holdings, LLC to NPAR, LLC	AB Resources LLC to Chief Exploration & Development LLC & Radier 2000 Limited Partnership	Chief Exploration & Development LLC et ai & Radier 2000 Limited Partnership to Chevron U.S.A. Inc.	756/332 NPAR, LLC to Chevron U.S.A. Inc.
937329	100.00%	14	14-0003-0040-0003-0000	O'Nell, Garret D.	Chevron U.S.A. Inc.	0.18	861/455	•	-	•	•
937333	100.00%	15	14-003B-0019-0000-000D	O'Neil, Dannis et ux	Chevron U.S.A. Inc.	0.18	874/604	•	-	•	-
937333	100.00%	16	14-0038-0015-0000-0000	O'Neil, Dannis et ux	Chevron U.S.A. Inc.	0.18	874/604	•	•	•	•
937333	100.00%	17	14-0038-0021-0000-0000	O'Neil, Dennis et ux	Chevron U.S.A. Inc.	0.18	874/604	•	•	•	•
937333	100.00%	18	14-0038-0014-0000-0000	O'Neil, Dennis et ux	Chevron U.S.A. Inc.	0.18	874/604	•	•	•	•
937333	100.00%	19	14-0038-0016-0000-0000	O'Nell, Dannis et ux	Chevron U.S.A. Inc.	0.18	874/604	•		•	•
937333	100.00%	20	14-0038-0011-0000-0000	O'Nell, Dennis et ux	Chevron U.S.A. Inc.	0.18	874/604		-	•	•
937333	100.00%	21	14-0038-0010-0000-0000	O'Neil, Dennis et ux	Chevron U.S.A. Inc.	0.18	874/604				
937333	100.00%	22	14-0038-0009-0000-0000	O'Nell, Dennis et ux	Chevron U.S.A. Inc.	0.18	874/604			•	
937333	100.00%	23	14-0038-0020-0000-0000	O'Nell, Dennis et ux	Chevron U.S.A. Inc.	0.18	874/604	•		•	
				Schane, Thomas L. et ux	Fossii Creek Ohio, LLC	0.18	833/235	32/307 Fassii Creek Ohio, LLC to Gulfport Energy Corporation	36/588 Guilport Energy Corporation & Fossil Creek Ohio, LLC to American Petroleum	40/99 Amarcian Patrolaum Partners Operating, LLC to Chevron U.S.A. Inc.	40/354 Amercian Petroleum Partners Operating, LLC to Chevron U.S.A.
951442	100.00%	24	14-0003-0035-0000-0000					756/332	Operating. LLC	to clienton 0.5.4. mc.	tnc.
868160	100.00%	25	14-0003-0033-0000-0000	Cermichael, Bridget Marie	NPAR, LLC	0.18	729/467	NPAR, LLC to Chevron U.S.A. Inc.	•	•	•
Pending	100.00%		Route 250	The West Virginia Department of Transportation, Division of Highways	Chevron U.S.A. Inc.	0.2	958/489	•	•	-	•
923654	100.00%	26	14-0007-0031-0001-0000	Huggins, Ollie C.	Chevron U.S.A. Inc.	0.18	835/25	•	24/466 AB Resources LLC &	25/105	•
867435	100.00%	27	14-0007-0032-0000-0000	Sultivan, Wanda K.	TriEnergy Holdings, LLC	0.16	705/627	24/180 TriEnergy Holdings, LLC to NPAR, LLC	NPAR LLC to Chief Exploration & Development LLC & Radier 2000 Limited	Chief Exploration & Development LLC et al & Radier 2000 Umited Partnership to Chevron U.S.A. Inc.	756/332 NPAR, LLC to Chevron U.S.A. Inc.
936619	100.00%	28	14-0007-0031-0000-0000	Schwing, Harold C. et ux	Chevron U.S.A. Inc.	0.18	864/25		Partnershin		
530015	100.00%	28	14-000/-0031-0000-0000	Phillips, Michael J. et ux	TriEnergy Holdings, LLC	0.18	704/34	- 24/180 TriEnergy Holdings, LLC	24/455 AB Resources LLC & NPAR LLC to Chief Exploration &	25/105 Chief Exploration & Development LLC et al	756/332 NPAR, LLC to Chevron
867303	100.00%	29	14-0007-0030-0000-0000	танара, масавета, ет ох	Inchergy Holdings, Coc	0.10	104/34	to NPAR, LLC	Development LLC & Radler 2000 Limited Partnership	& Redler 2000 Umited Partnership to Chevron U.S.A. Inc.	U.S.A. Inc.
BD 4 494				Lehasky, Edward Louis Jr.	Chevron U.S.A. Inc.	0.16	773/556			•	
894421	29.17%	30	14-0007-0042-0001-0000				776/39				
903839	6.25%	30	14-0007-0042-0001-0000	Rudy, Ellen Beam et vir	Chevron U.S.A. Inc.	0.16	781/507	•	•	-	•
903843	6.25%	30	14-0007-0042-0001-0000	Beam, William Dorsey et ux	Chevron U.S.A. Inc.	0.15	781/500	•	-	-	•
903980	29.17%	30	14-0007-0042-0001-0000	Bell, Ross Jr.	Chevron U.S.A. Inc.	0.16	776/46	•	•	-	•
904349	29.17%	30	14-0007-0042-0001-0000	Dorsey, William et ux	Chavron U.S.A. Inc.	0.16	776/70	•	•	•	•
894421	29.17%	31	14-0007-0042-0000-0000	Lehasky, Edward Louis Jr.	Chevron U.S.A. Inc.	0.16	773/556 776/39				•
903839	6.25%	31	14-0007-0042-0000-0000	Rudy, Ellen Beam et vir	Chevron U.S.A. Inc.	0.16	781/507	•	•	•	•
	6.25%	31	14-0007-0042-0000-0000	Beam, William Dorsey et ux	Chevron U.S.A. Inc.	0.15	781/500	•	•	•	•
903843											
903843 903880 904349	29.17%	31	14-0007-0042-0000-0000	Bell, Ross Jr. Dorsey, William et ux	Chevron U.S.A. Inc.	0.16	776/46	•	•	•	•

Hazlett Unit #8H - MARC - BATCH 1 MLS - FINAL

RECEIVED Office of Oil and Gas



Mitchell G. Limbert Land Representative, AMBU

4705 + 02100

June 4, 2018

West Virginia D.E.P. Office of Oil & Gas 601 57th Street SE Charleston, WV 25304-2345

RE: Hazlett 1H, 2H, 3H, 4H, 5H, 6H, 7H, 8H, 12H, 13H, 14H, 15H, 16H, 17H

To Whom It May Concern,

This letter is to confirm that Chevron U.S.A., Inc. has the rights to access minerals under any road along the above referenced laterals. If you should have any further questions or need additional documentation, please feel free to contact me.

Sincerely,

MEHT

Mitchell G. Limbert Land Representative

Chevron North America Exploration and Production Company (a Chevron U.S.A. Inc. division) 700 Cherrington Parkway Coraopolis. PA 15108 Tel 412 865 0081 mlimbert@chevron.com

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS <u>NOTICE CERTIFICATION</u> 4705 * 02100

Date of Notice Certification: 06/07/2018

API No. 47	_
Operator's Well	NO. MOBH
Well Pad Name:	Hazlett
_	

Notice has been given:

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

State:	West Virginia	UTM NAD 83	Easting:	524121.003
County:	Marshail	UTMINAD 85	Northing:	4423419.989
District:	Union	Public Road Ac	cess:	CR 10 Markey Lane
Quadrangle:	Moundsville, WV 7.5'	Generally used t	farm name:	Hazlett
Watershed:	Short Creek - Ohio River			

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

Pursuant to West Virginia Code § 22-6A, the Op that the Operator has properly served the required *PLEASE CHECK ALL THAT APPLY	OOG OFFICE USE ONLY	
□ 1. NOTICE OF SEISMIC ACTIVITY or	NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED	RECEIVED/ NOT REQUIRED
\Box 2. NOTICE OF ENTRY FOR PLAT SURV	YEY or 🔳 NO PLAT SURVEY WAS CONDUCTED	
3. NOTICE OF INTENT TO DRILL or	□ NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or	RECEIVED/ NOT REQUIRED
	WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)	
■ 4. NOTICE OF PLANNED OPERATION	RECEIVED Office of Oil and Gas	RECEIVED.
5. PUBLIC NOTICE	AUG 3 2018	RECEIVED
6. NOTICE OF APPLICATION	WV Department of Environmental Protection	RECEIVED

Required Attachments:

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

Certification of Notice is hereby given:

THEREFORE, I Jenny Hayes

, 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:	Chevron Appalachia, LLC		Address:	700 Cherrington Parkway	
By:	Jenny Hayes			Coraopolis, PA 15108	
Its:	Permitting Team Lead		Facsimile:	412-865-2403	
Telephone:	412-865-1533		Email:	JZYK@chevron.com	
	NOTARY SEAL	Subsci	Subscribed and swo	orn before me this day of	
					_ 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.

Certification of Notice is hereby given:

4705 102100

THEREFORE, I Jenny Hayes ______, 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:	Chevron Appalachia, LLC	Address:	700 Cherrington Parkway	
By:	Jenny Hayes		Coraopolis, PA 15108	
Its:	Permitting Team Lead	Facsimile:	412-865-2403	
Telephone:	412-865-1533	Email:	JZYK@chevron.com	
NOTARY SEAL Commonwealth of Pennsylvania - Notary Seal Laura Savage, Notary Public Allegheny County My commission expires September 17, 2018 Commission number 1285773		D	orn before me this <u>7th</u> day of <u>June 2018</u> . <u>Notary Public</u>	
Member, Pennsylvania Association of Notaries			4	

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@wy.gov.

Office of Oil and Gas AUG 3 2018 WV Department of Environmental Protection

WW-6A	
(9-13)	

API NO. 47	-
OPERATOR WE	ELL NO. MO8H
Well Pad Name:	Haziett

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL 447055 * 02100 <u>NOTICE OF APPLICATION</u>

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

Date of Notice: 6/7/18 Date Permit Application Filed:	8/2/18
Notice of:	1 1

PERMIT FOR ANY WELL WORK

CERTIFICATE OF APPROVAL FOR THE CONSTRUCTION OF AN IMPOUNDMENT OR PIT

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

PERSONAL	REGISTERED	METHOD OF DELIVERY THAT REQUIRES A
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:

SURFACE OWNER(s)	COAL OWNER OR LESSEE	
Name: Florence Irene Hazlett (Life Estate Interest)	Name: Consol Mining Company, LLC	
Address: 648 Markey Hill Lane	Address: 1000 Consol Energy Drive	
Glen Dale, WV 26038	Canonsburg, PA 15317	
Name: Michael C. Hazlett (Remainder Interest)	COAL OPERATOR	
Address: 648 Markey Hill Lane	Name:	
Glen Dale, WV 26038	Address:	
SURFACE OWNER(s) (Road and/or Other Disturbance)		
Name:	SURFACE OWNER OF WATER WELL	
Address:	AND/OR WATER PURVEYOR(s)	
Name:	Name: See Attached Address:	
Address:		
	OPERATOR OF ANY NATURAL GAS STORAGE	FIFI D
□ SURFACE OWNER(s) (Impoundments or Pits)	Name:	
Name:	Address:Office	ECEIVED of Oil and Gas
Address:		of Oil and
	The second additional forms in necessary 100	3 200
	Environment	7/0
	- Wironmen	artment of
	- * •	"Protection

WW-6A (8-13)

OPERATOR WELL NO. MOBH Well Pad Name: Hazlett

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/oiland-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 disconcentering of the well location restrictions regarding occupied dwelling structures are inadequate or otherwise require alteration to address the items AUG = 32019

3 2018

WW-6A (8-13) 4705102100

OPERATOR WELL NO. MOBH Well Pad Name: Hazlett

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

(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.

AUC a

AUG 3 2018

WV Department of Environmental Protection WW-6A (8-13) 4705102100 APINO. 47

OPERATOR WELL NO. MO8H Well Pad Name: Hazlett

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-

<u>Permits/Pages/default.aspx</u> 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.

RECEIVED Office of Oil and Gas

AUG 3 2018

WV Department of Environmental Protection

WW-6A	4/05102100 API NO. 47-
(8-13)	OPERATOR WELL NO. MOBH
	Well Pad Name: Hazlett
Notice is hereby given by:	Address: 700 Cherrington Parkway 4705 902100
Well Operator: Chevron Appalachia, LLC	Address: 700 Cherrington Parkway 4 / V 3 V L I V V
Telephone: 412-865-1533	Coraopolis, PA 15108
Email: jzyk@chevron.com	Facsimile: 412-865-2403
Oil and Gas Privacy Notice:	ferry Hanges

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.

Commonwealth of Pennsylvania - Notary Seal Laura Savage, Notary Public	Commanwealth & remsylvania County of Allegheny Subscribed and sworp before me this 7th day of	June, 2018
Allegheny County My commission expires September 17, 2018 Commission number 1285773	Lauri Savage	Notary Public
Member, Pennsylvania Association of Notaries	My Commission Expires	7,2018

RECEIVED Office of Oil and Gas

AUG 3 2018

WV Department of Environmental Protection

4705 • 02100

Attachment to WW-6A

API No. 47- _____

OPERATOR WELL NO. MO8H

Well Pad Name: <u>Hazlett</u>

SURFACE OWNER

Name:Loretta Kay Wallace (Remainder Interest)Address:1485 Missy Court

Hamilton, OH 45013

COAL OWNER OR LESSEE

Name:	Consol Mining Company, LLC
Address:	1000 Consol Energy Drive
	Canonsburg, PA 15317

COAL OPERATOR Name:

Address:

SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR

Name:	Thomas D & Janet E. Vickers
Address:	1526 Little Grave Creek Drive
	Glen Dale, WV 26038

SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR Name: Address:

SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR Name: Address:

SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR Name: Address:

SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR Name: Address:

RECEIVED Office of Oil and Gas

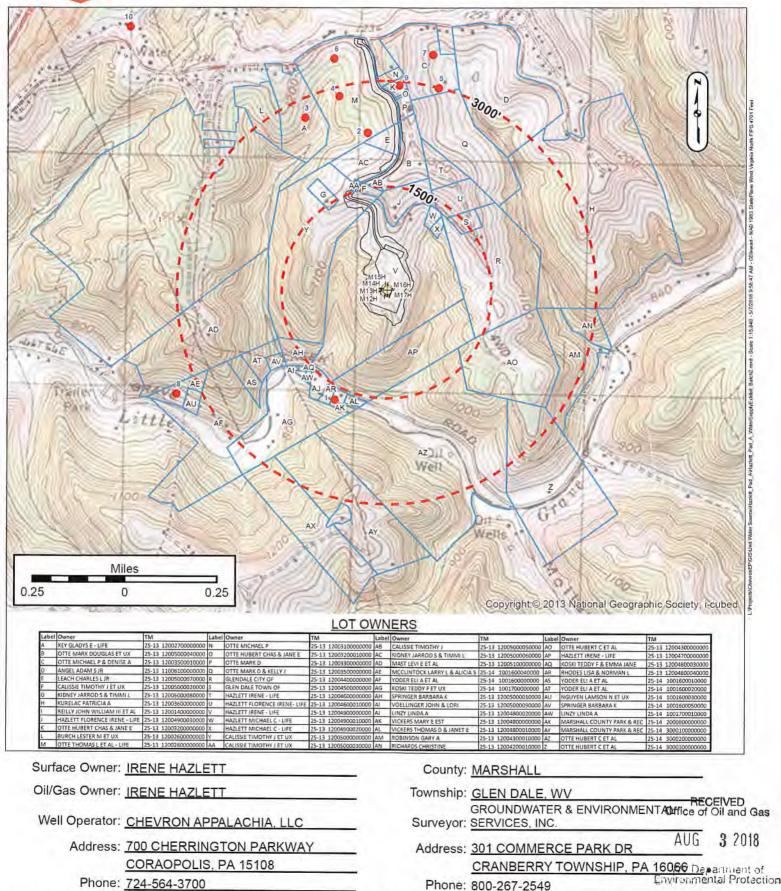
AUG 3 2018

WV Department of Environmental Protection



WATER SUPPLY EXHIBIT HAZLETT PAD A BATCH #2





NOTICE: THE INTENT OF THIS EXHIBIT IS TO IDENTIFY EXISTING WATER SUPPLIES IN THE VICINITY OF A PROPOSED GAS WELL, AND IS NOT A COMPLETE BOUNDARY SURVEY. PROPERTY LINES AND OWNER INFORMATION WERE OBTAINED FROM DEEDS, TAX RECORDS, AERIAL PHOTOGRAPHY, GIS, AND FIELD SURVEYED EVIDENCE.

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

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

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

 Date of Notice:
 06/07/2018

 Date Permit Application Filed:
 20/07/2018

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

HAND	CERTIFIED MAIL
DELIVERY	RETURN RECEIPT REQUESTED

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

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

Name: Florence Irene Hazlett (Life Estate Interest)	Name: Michael C. Hazlett (Remainder Interest)
Address: 1078 Markey Hill Lane	Address: 1078 Markey Hill Lane
Glen Dale, WV 26038	Glen Dale, WV 26038

Notice is hereby given:

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

State:	West Virginia	LITY () LAD as Easting	524121.003
County:	Marshall	UTM NAD 83 Northin	g: 4423419.989
District:	Union	Public Road Access:	CR 10 Markey Lane
Quadrangle:	Moundsville, WV 7.5'	Generally used farm name	e: Hazlett
Watershed:	Short Creek - Ohio River		

This Notice Shall Include:

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

Notice is hereby given by:

Well Operator:	Chevron Appalachia, LLC	Authorized Representative:	
Address:	700 Cherrington Parkway	Address:	
Coraopolis, PA 151	08		
Telephone:	412-865-2504	Telephone:	
Email:	slaird@chevron.com	Email:	
Facsimile:	412-865-2403	Facsimile:	

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 <u>depprivacyofficer@wv.gov</u>.

RECEIVED Office of Oil and Gas

AUG 3 2018

W Department of Environmental Protection

STATE OF WEST VIRGINIA 4705102100 DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF INTENT TO DRILL

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

Notice Time Re	quirement: Notice shall be p	provided at least TEN (10) days pri	or to filing	a permit application.
Date of Notice:	06/07/2018	rovided at least TEN (10) days pri Date Permit Application Filed:	- 81A	Ti8
				/ + · · · · · · · · · · · · · · · · · ·

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

\Box	HAND	CERTIFIED MAIL
	DELIVERY	RETURN RECEIPT REQUESTED

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

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

Name: Loretta Kay Wallace (Remainder Interest)	Name:	
Address: 1485 Missy Court	Address:	
Hamilton, OH 45013		
	-	

Notice is hereby given:

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

State:	West Virginia		Easting:	524121.003	
County:	Marshall	UTM NAD 83	Northing:	4423419.989	
District:	Union	Public Road Acc	cess:	CR 10 Markey Lane	
Quadrangle:	Moundsville, WV 7.5'	Generally used f	arm name:	Hazlett	
Watershed:	Short Creek - Ohio River	-			

This Notice Shall Include:

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

Notice is hereby given by:

Well Operator:	Chevron Appalachia, LLC	Authorized Representative:	
Address:	700 Cherrington Parkway	Address:	
Coraopolis, PA 15	108		
Telephone:	412-865-2504	Telephone:	
Email:	slaird@chevron.com	Email:	RECEIVED Office of Oil and Gas
Facsimile:	412-865-2403	Facsimile:	
			AUG 3 2018

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as particular of 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 <u>depprivacyofficer@wv.gov</u>.

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF **417** An**5** GAS 2 1 0 0 <u>NOTICE OF PLANNED OPERATION</u>

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

 Date of Notice:
 06/07/2018

 Date Permit Application Filed:
 2

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

CERTIFIED MAIL	HAND
RETURN RECEIPT REQUESTED	DELIVERY

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

Notice is hereby provided to the SURFACE OWNER(s)

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

Name: Florence Irene Hazlett (Life Estate Interest)	Name: Michael C. Hazlett (Remainder Interest)
Address: 648 Markey Hill Lane	Address: 648 Markey Hill Lane
Glen Dale, WV 26038	Gien Dale, WV 26038

Notice is hereby given:

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

State:	West Virginia	LITM NAD 82 Easting:	524121.003
County:	Marshall	UTM NAD 83 Northing:	4423419.989
District:	Union	Public Road Access:	CR 10 Markey Road
Quadrangle:	Moundsville, WV 7.5'	Generally used farm name:	Hazlett
Watershed:	Short Creek - Ohio River	·	

This Notice Shall Include:

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

Well Operator:	Chevron Appalachia, LLC	Address:	700 Cherrington Parkway
Telephone:	412-865-2504		Coraopolis, PA 15108
Email:	slaird@chevron.com	Facsimile:	412-865-2403

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 <u>depprivacyofficer@wv.gov</u>.

RECEIVED Office of Oil and Gas

AUG **3** 2018

WV Department of Environmental Protection

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

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

 Date of Notice:
 06/07/2018

 Date Permit Application Filed:
 2

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

CERTIFIED MAIL	HAND
RETURN RECEIPT REQUESTED	DELIVERY

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

Notice is hereby provided to the SURFACE OWNER(s)

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

Name: Loretta Kay Wallace (Remainder Interest)	Name:
Address: 1485 Missy Court	Address:
Hamilton, OH 45013	

Notice is hereby given:

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

State:	West Virginia		Easting:	524121.003	
County:	Marshall	UTM NAD 83	Northing:	4423419,989	
District:	Union	Public Road Acc	Ų	CR 10 Markey Road	
Quadrangle:	Moundsville, WV 7.5	Generally used fa	arm name:	Hazlett	
Watershed:	Short Creek - Ohio River	2		· · · · · · · · · · · · · · · · · · ·	

This Notice Shall Include:

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

Well Operator:	Chevron Appalachia, LLC	Address:	700 Cherrington Parkway
Telephone:	412-865-2504		Coraopolis, PA 15108
Email:	slaird@chevron.com	Facsimile:	412-865-2403

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AUG 3 213

W Department of Environmental Protection

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

Instructions to Persons Named on Page WW-6A

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

Comment and Waiver Provisions

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

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

VOLUNTARY STATEMENT OF NO OBJECTION

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

State:	West Virginia		Easting:	524121.003	
County:	Marshall	UTM NAD 83	Northing:	4423419.989	
District:	Union	Public Road Acc	0	CR 10 Markey Lane	
Quadrangle:	Moundsville, WV 7.5	Generally used f		Hazlett	
Watershed:	Shart Creek/Ohio River		ann manne.	- METOR	

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

*Please check the box that applies	FOR EXECUTION BY A NATURAL PERSON
□ SURFACE OWNER	Signature: Doubla & UDAllar a
□ SURFACE OWNER (Road and/or Other Disturbance)	Print Name. Lorotta Killiallage
□ SURFACE OWNER (Impoundments/Pits)	Date: line 24, 2018
□ COAL OWNER OR LESSEE	FOR EXECUTION BY A CORPORATION, ETC. Company:
COAL OPERATOR	By:Its:
□ WATER PURVEYOR	Its: RECEIVED Signature: Office of Oil and Gas
□ OPERATOR OF ANY NATURAL GAS STORAGE FIELD	Date: AUG 3 2018
Oil and Gas Privacy Notice:	WV Department of Environmental Protection

Oil and Gas Privacy Notice:

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API NO. 47-____ OPERATOR WELL NO. MOBH Well Pad Name: Haziett

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

Instructions to Persons Named on Page WW-6A

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

Comment and Waiver Provisions

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

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

VOLUNTARY STATEMENT OF NO OBJECTION

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

State:	West Virginia		Easting:	524121.003
County:	Marshall	UTM NAD 83	Northing:	4423419.989
District:	Union	Public Road Acc	0	
Quadrangle:		Generally used f		
Watershed		•		

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

*Please check the box that applies	FOR EXECUTION BY A NATURAL PERSON	
□ SURFACE OWNER	Signature:	
□ SURFACE OWNER (Road and/or Other Disturbance)	Print Name:	
□ SURFACE OWNER (Impoundments/Pits)		
COAL OWNER OR LESSEE	FOR EXECUTION BY A CORPORATION, ETC. Company: CONSOL Energy	
COAL OPERATOR	By: Casey V. Saunders Its: Manager Coal/Gas Coordination	
□ WATER PURVEYOR	Signature: Wert Samt	
OPERATOR OF ANY NATURAL GAS STORAGE FIELD	Date: 02/23/2018 Office of Oil and O	ias
	AUG 3 201	2

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 regulator personal information may be disclosed to other State agencies or third parties in the normal course of bisiness and regulator protection 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.



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

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

June 13, 2018

Thomas J. Smith, P. E. Secretary of Transportation/ Commissioner of Highways

Jill M. Newman 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 Hazlett Pad A Well Site, Marshall County Hazlett A Unit 8H

Dear Mr. Martin,

The West Virginia Division of Highways has issued Permit #06-2018-0433 for the subject site to Chevron Appalachia, LLC for access to the State Road for the well site located off of Marshall County Route 10 SLS.

The 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 January 3, 2012.

Very Truly Yours,

Dary K. Clayton

Gary K. Clayton, P.E. Regional Maintenance Engineer Central Office Oil &Gas Coordinator

RECEIVED Office of Oil and Gas AUG **3 2018** WV Department of Environmental Protection

Cc: Mandy Fordyce Chevron Appalachia, LLC CH, OM, D-6 File

4705 + 02100

Hydraulic Fracturing Fluid Additives

Supplier	Name	Purpose
Universal	7.5% HCl Acid	Acid - To open perforations
Universal	Unislick ST50	Friction Reducer for Water and Brine (Anionic)
Universal	Scale Inhibitor A	Scale Inhibitor
Universal	Iron Control A	Iron Control
Universal	Unihib G	Corrosion Inhibitor for Acid
Universal	K-Bac 1020	Biocide/Bactericide
Universal	CMHPG (Polyfrac Gel)	Gel
Universal	LEB 10X	Gel Breaker
Universal	100 Mesh White Sand	Proppant
Universal	40-70 Mesh White Sand	Proppant

RECEIVED Office of Oil and Gas AUG 3 2018

WV Department of Environmental Protection

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LANDS & (FEM) = 0.002 AC LANDS & (FEM) = 0.076 AC LANDS WITHIN 100 LF OF THE LIMIT OF	-	Dis	STVICS DITERDALEDARTE C.	CONTINUE 2	10 km	HOPOSED LET OF SISTINGANCE PROPOSED WELL HOM WID COLLAR PROPOSED CONTAINAUNT BORN	Alancia adorazi alo	E40 CUT/FL: LINE	HERE PROPOSED 1	67 FLAR SOCH		CSED CHANNEL SIECH THORNWALER CHLVENT SIECH NALET			ETT V	PATON PATON
UHBANCE (SUBJECT TO WETLAND WAIVER REQUEST)		+ DIG - DIG	ennig lundkyed monon Ting das line Ting mitterline		-	Proposel (Privel) Proposel (Privel) Privelient		B	The Post of the Constant of th	UCTION ENTRANKS	PROPE	GRED REPAR VERDIN		1	ZLE	REPARED FOR HEVRON O CHERRINGTON PAI
UND 34 (PEM) - 0 FF FROM LOD LUND 34 (PEM) - 11 LF FROM LOD LUND 34 (PEM) - 33 LF FROM LOD LUND + (PSS) - 1 LF FROM LOD		EXIS EXIS EXIS	THE TELETINGUNCAT	THE LAN					PROPOSED, PHOSEN FOR						HAZLE UNION DIST MARSHALL	CORAL CORAL
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To occurre when the project and where with transity fractings. Switched of the a download consistants, we sated (2)/23/2011 To (2)/22/2017 and (2)/23/2017 to (2)/22/2017, Topocouver outside of the fraction and is sufficient with wheth users (constrained outside outs).		Diat Res	THE SINUCTUR									(Arction #0. Center 24		- m	Down Iaste Down Baste	17202 17202 512015
AND ANALY MALE IS SUPPLEMENTED WITH WITH WITH WEDDEN LOWR, DATED 2003.		1000	THE WATTP MANPICLE	6								participation of the state	tt al frest V	Parks.	Checked E Preact National	e. SAN

