

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 M12 47-051-02107-00-00

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 Mant. Chief Operator's Well Number: HAZLETT M12 Farm Name: IRENE HAZLETT - LIFE U.S. WELL NUMBER: 47-051-02107-00-00 Horizontal 6A New Drill Date Issued: 11/30/2018

Promoting a healthy environment.

PERMIT CONDITIONS 4705102107

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 owner upon agreement of the parties. In lieu of plugging, the operator may transfer the well to the surface well shall be flow tested by the operator upon request of the drinking well owner prior to operating the water supply well.
- 6. Pursuant to the requirements pertaining to the sampling of domestic water supply wells/springs the operator shall, no later than thirty (30) days after receipt of analytical data provide a written copy to the Chief and any of the users who may have requested such analyses.
- 7. 24 hours prior to the initiation of the completion process the operator shall notify the Chief or his designee.
- 8. During the completion process the operator shall monitor annular pressures and report any anomaly noticed to the chief or his designee immediately.
- 9. If any explosion or other accident causing loss of life or serious personal injury occurs in or about a well or well work on a well, the well operator or its contractor shall give notice, stating the particulars of the explosion or accident, to the oil and gas inspector and the Chief, within 24 hours of said accident.
- 10. During the casing and cementing process, in the event cement does not return to the surface, the oil and gas inspector shall be notified within 24 hours.

API Number: 4705102107 PERMIT CONDITIONS

11. The operator shall provide to the Office of Oil and Gas the dates of each of the following within 30 days of their occurrence: completion of construction of the well pad, commencement of drilling, cessation of drilling, 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:

- 1. OOG, an office within the West Virginia Department of Environmental Protection, is the agency with the duty and authority to execute and enforce W. Va. Code §22-6-1 and §22-6A-1 et seq., and the rules and regulations promulgated thereunder.
- 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.
- 3. 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.

CONCLUSIONS OF LAW

- 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."

ORDER

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 (½") 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.

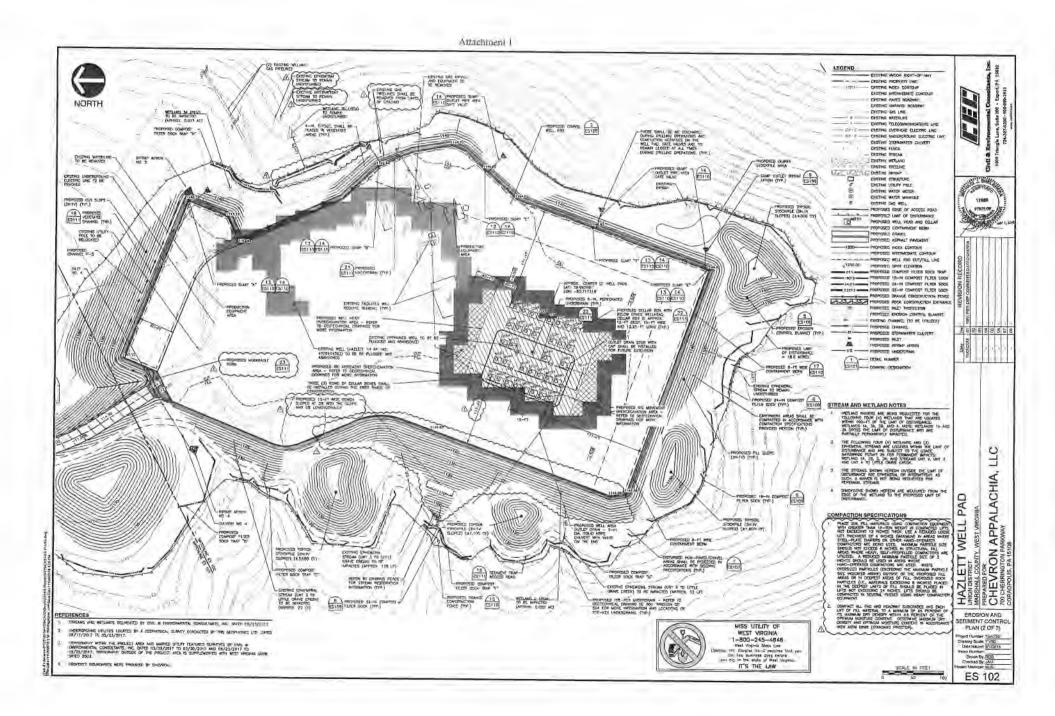
Thus ORDERED, the 27th day of November, 2018.

IN THE NAME OF THE STATE OF WEST VIRGINIA:

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

JAMES A. MARTIN, CHIEF By: ζ

Order No. 2018-W-12 Page 4



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. \checkmark

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

cell for for

Sarah V. Parker Assistant Project Manager

Raing 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

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11/3/14 Wetland and Perennial Stream Waiver Request

API Number: _____ Operator's Well Number: _____

Well Operator: Chevron Appalachia, LLC

Well Number:	Well Pad Name: Haziett Well Pad
County, District, Quadrangle of Well Location: Marsha	ll 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.

API Number: ______ Operator's Well Number: ______

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.

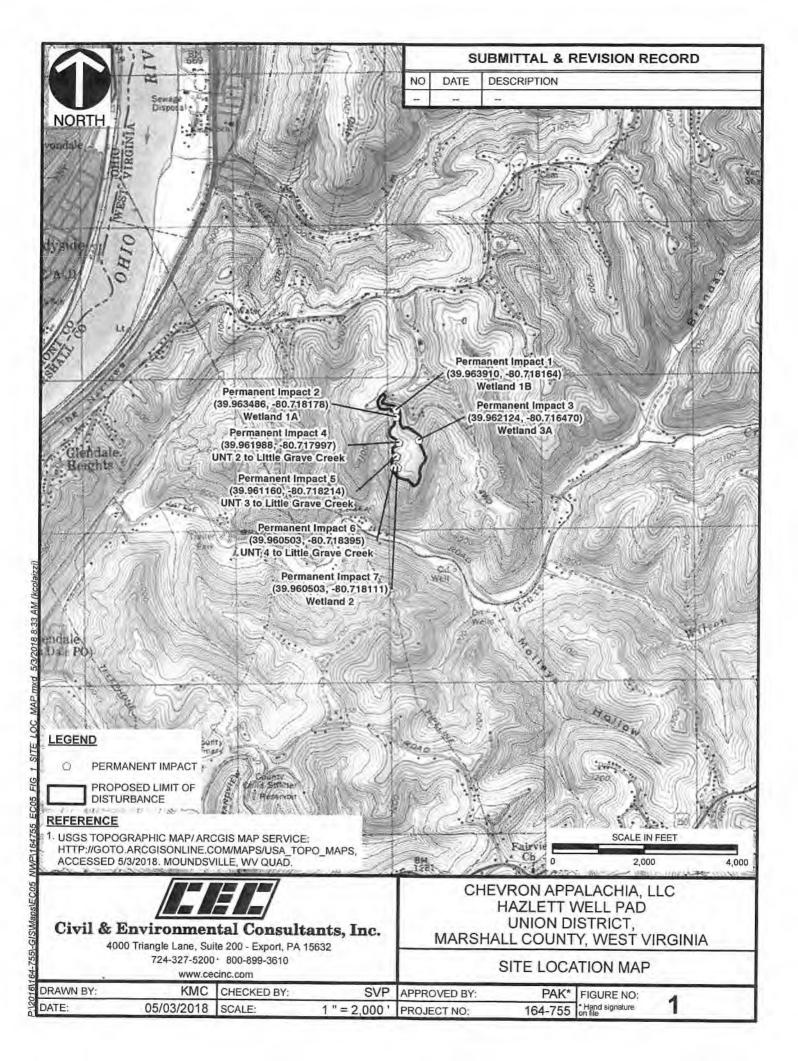
Please refer to Section 2.0, Question 4 of the letter.

ATTACHMENT B

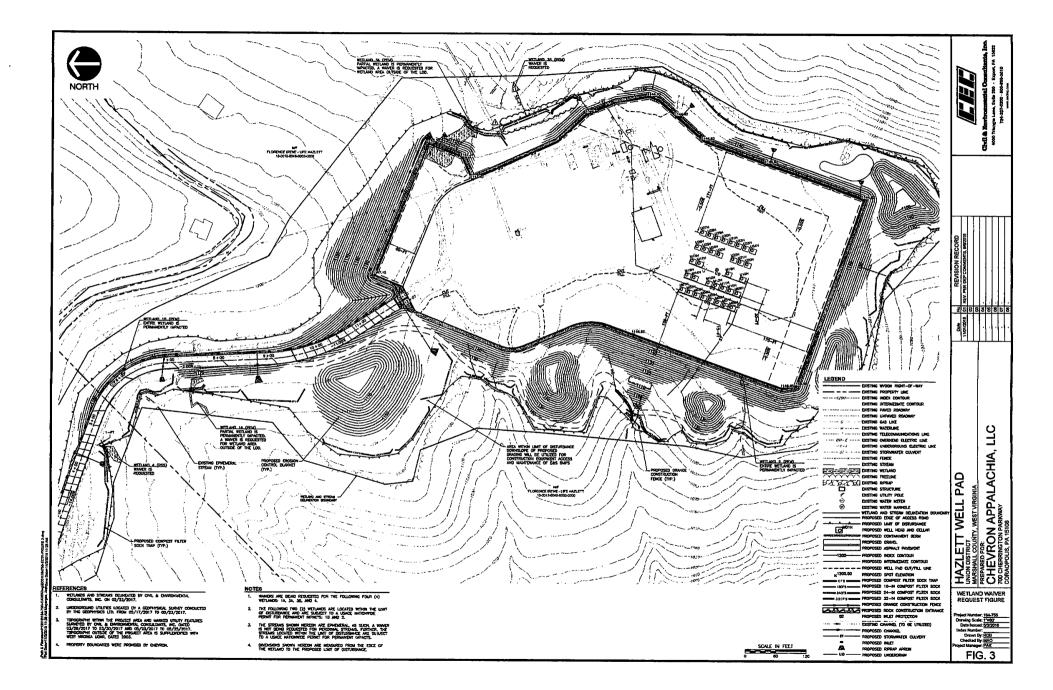
FIGURES

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Civil & Environmental Consultants. Inc.



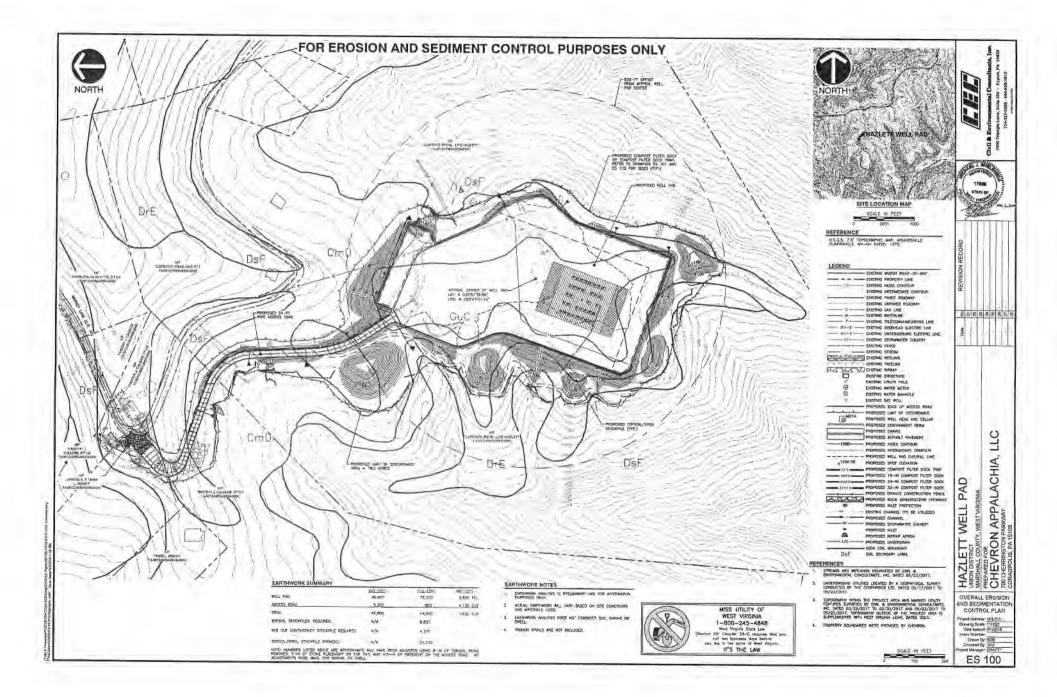


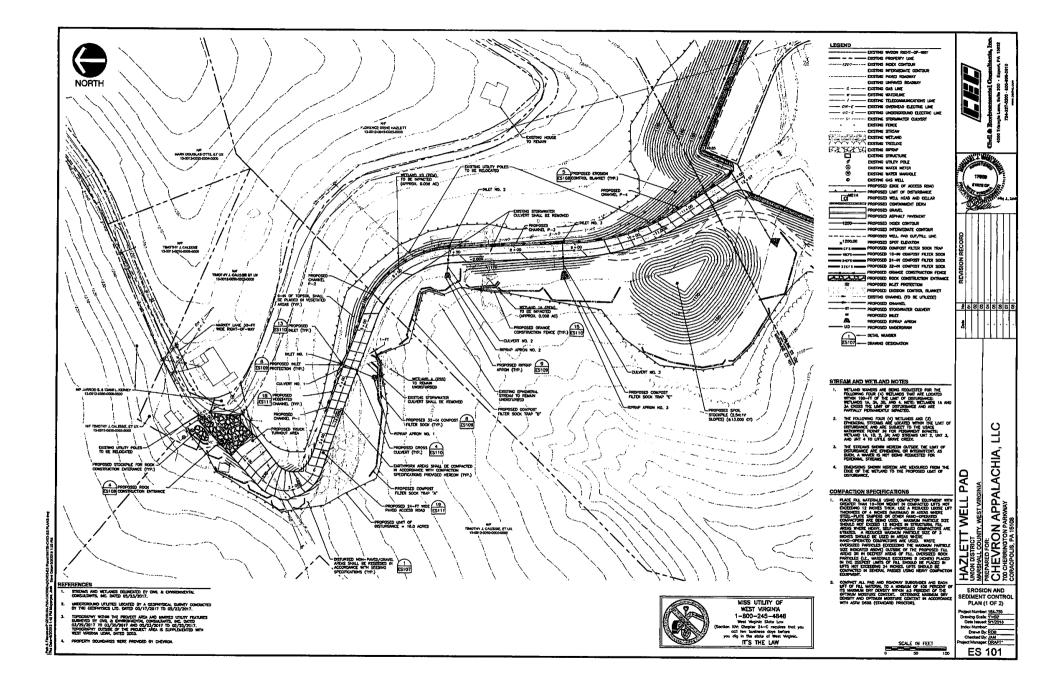


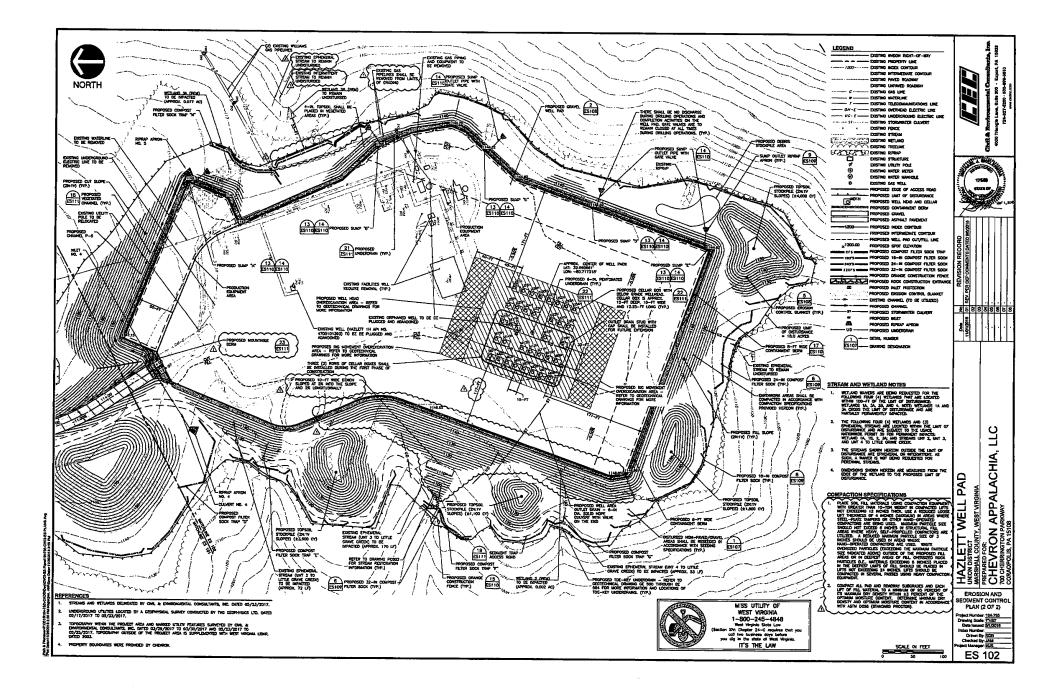
ATTACHMENT C

EROSION AND SEDIMENT CONTROL PLAN

Civil & Environmental Consultants, Inc.







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 compty 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 recovery of the collection of the submitted to the District Engineer having jurisdiction over the location of the recovery of the collection of the collection of the submitted to the District Engineer having jurisdiction over the location of the recovery of the collection of the collectio

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 & Environment	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	y	Address- 4000 Triangle Lane, Su	uite 200
City - Coraopolis State - P	A Zip - 15108 Country - US	City - Export State -	PA Zip - 15632 Country - US
7. APPLICANT'S PHONE NOS. w/AR	EA CODE	10. AGENTS PHONE NOS. WAREA	CODE
a. Residence b. Business	c. Fax	a. Residence b. Busine	ss c. Fax
412-865-1	533	724-327-	5200 724-327-5280
	STATEMENT OF	AUTHORIZATION	
11. I hereby authorize, <u>CEC</u> supplemental information in support of		s my agent in the processing of this approximation $l \cdot 15 \cdot 18$ CANT DATE	plication and to furnish, upon request,
	NAME, LOCATION, AND DESCRI	PTION OF PROJECT OR ACTIVITY	
12. PROJECT NAME OR TITLE (see Hazlett Well Pad	instructions)		
13. NAME OF WATERBODY, IF KNO	WN (if applicable)	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	wiship - Union District	Range - Marshall Count	у

17.	DIRECTIONS 1	TO THE SITE
	DATEONON	

From I-70 W, continue onto I-470 W, following signs for Columbus. Take Exit 1 for US 250 S/WV-2 S toward Moundsville. Drive 0.5
mile, turn left, and use the right 2 lanes to merge onto US-250 S/WV-2 S via the ramp to Moundsville. Drive 5.1 miles, and turn left onto
21st Street and then right onto Marshall Street. Marshall Street turns slightly left and becomes 23rd Street and then Riley Hill Road. Drive
approximately 1 mile, and turn left onto WV-86 N/Grandview Road. Drive 0.5 mile, and turn right onto Markey Lane/CR-10.

18. Nature of Activity (Description of project, include all features)

Chevron Appalachia, LLC is proposing to expand an existing natural gas well pad site and widen the associated existing access road. The proposed limit of disturbance (LOD) is approximately 26 acres. The proposed project area includes an existing well pad and access road, residential areas, upland hay field, and wooded hillslopes. The project will require fill to be placed in 0.101 acre of palustrine emergent (PEM) wetlands and 288 linear feet of ephemeral streams.

19. Project Purpose (Describe the reason or purpose of the project, see instructions) The purpose of the project is to construct a natural gas well pad and access road for shale operations.

USE BLOCKS 20-23 IF DREDGED AND/OR FILL MATERIAL IS TO BE DISCHARGED

20. Reason(s) for Discharge

The construction of the facility will require the placement of fill material into three unnamed tributaries (UNTs) to Little Grave Creek and four palustrine emergent (PEM) wetlands. These permanent impacts are associated with grading activities for expansion of the well pad and access road. Underdrains are being installed beneath the proposed fill slopes to maintain stream flow.

21. Type(s) of Material Being Discharged and the	Amount of Each Type in Cubic Yards:	
Туре	Туре	Туре
Amount in Cubic Yards	Amount in Cubic Yards	Amount in Cubic Yards
390 CY of earthen material into wetlands	80 CY of earthen material into streams	N/A
22. Surface Area in Acres of Wetlands or Other W	aters Filled (see instructions)	
Acres 0.101 acre of PEM wetlands		
or		
Linear Feet 288 linear feet of ephemeral strea	ams	
23. Description of Avoidance, Minimization, and C	ompensation (see instructions)	
Chevron analyzed numerous on-site configur	ations for the siting of the facility, and the pre	oposed site plan represents the layout which
minimizes impacts to the furthest extent while	e still meeting the project's purpose and need.	Grading was minimized to avoid impacts to
UNIS 1, 5, 6, and 7 to Little Grave Creek and	d Wetlands 3B and 4. Orange construction fe	encing will be installed around the downstream
portions of UNTs 1, 2, 3, and 6 to Little Grav	e Creek to avoid additional impacts.	

De la segendera	of the telefic lands by bound or	7 G. XN 57	EG CESCRIBE THE DOW	PLETED IV MK	999 1999
25 Haddresses of Av	dioining Property Owners, Les	saes, Etc., Wildse Properi	ly Adjoins the Waterbudy of	n na anti-	er 115 of 30 to 450 to 150 of 5
s Address- Sec au	tashea tabis.				
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AGENCY	ficates or Approvals/Denials re	ceived from other Federa IDENTIFICATION			Application.
VDNR OLS		NUMBER	DATE APPLIED	DATE APPROVED	DATE DENIED
	Right of Entry	Not yet assigned	December 2017	Pending	· .
VDEP	Horizontal 6A Well P	Not yet assigned	Pending	Pending	· · · · ·
a. a	e e e e e e e e e		· · · · · · · · · · · · · · · · · · ·		
	· · · · · · · · · · · · · · · · · · ·				
	not restricted to zoning building				· · · · ·
Application is here nplete and accurate	eby made for permit or permits e. I further certify that I posses	to authorize the work des	cribed in this application	certify that this information i	n this application is
plicant	. 1			in or am acting as the duly a	uthonized agent of the
Henry	Hayes	1.15.18	Wahow	h. noins	1115118
SIGNATUR	E OF APPLICANT	DATE	SIGNA	TURE OF AGENT	DATE
e Application mus horized agent if the	it be signed by the person in the statement in block 11 ha	who desires to undertal as been filled out and si	ke the proposed activity igned.	(applicant) or it may be s	igned by a duly
U.S.C. Section 10	001 provides that: Whoever	in any manner within	the jurisdiction of any d	nortmont or any state	
	s or representations or ma s or entry, shall be fined no				false fictitious or

ENG FORM 4345, DEC 2014

WW-6B (04/15)

API NO. 47-051-0	51	D	1	
OPERATOR WELL NO). 121	-		

Well Pad Name: Hazlett

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

1) Well Operator:	Chevron Ap	opalachia, LL	C 49449935	Marshall	Union	Moundsville, WV
.,			Operator ID	County	District	Quadrangle
2) Operator's Well	l Number: 12	н	Well	Pad Name: Haz	zlett	
3) Farm Name/Sur	face Owner:	Hazlett	Public I	Road Access: C	R 10 Marke	y Lane
4) Elevation, curre	ent ground:	1148'	Elevation, propos	ed post-construc	ction: 1144	
, , , , ,) Gas X	Oil	U	nderground Stor	age	
(b		illow <u>X</u> rizontal <u>X</u>	Deep			188
6) Existing Pad: Y	es or No Yes	S				610
7) Proposed Targe Marcellus, 6150			A real sector of the sector of the sector sector and	ss and Expected	Pressure(s):	11/30/15
8) Proposed Total	Vertical Dept	h: 6,170'				
9) Formation at To	otal Vertical D	Depth: Marce	llus			
10) Proposed Tota	l Measured D	epth: 14,12	1			
11) Proposed Hori	zontal Leg Le	ength: 6,755				
12) Approximate I	Fresh Water S	trata Depths:	541' below G	L		
13) Method to Det	ermine Fresh	Water Depths	Deepest know	n water well w/i	n 3 mi radiu	S
14) Approximate S	Saltwater Dep	ths: Potentia	l Brine @ 1754 ft a	nd 2066 ft below	w GL	
15) Approximate (Coal Seam De	pths: Pittsbu	rgh Coal top @ 6	24 ft below GL		
16) Approximate I	Depth to Possi	ible Void (coal	l mine, karst, other): 624 ft below	GL	
17) Does Proposed directly overlying				N	10 X	
(a) If Yes, provid	le Mine Info:	Name:				
		Depth:				
		Seam:				
		Owner:				

API NO. 47-051 - 0210

OPERATOR WELL NO. 12H Well Pad Name: Haziett

WW-6B (04/15)

CASING AND TUBING PROGRAM

ТҮРЕ	<u>Size</u> (in)	<u>New</u> <u>or</u> <u>Used</u>	Grade	Weight per ft. (lb/ft)	<u>FOOTAGE: For</u> <u>Drilling (ft)</u>	INTERVALS: Left in Well (ft)	<u>CEMENT:</u> <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	14,121'	14,121'	2,616' (500' below 9-5/8" shoe)
Tubing				6			
Liners							1

ТҮРЕ	Size (in)	<u>Wellbore</u> Diameter (in)	<u>Wall</u> <u>Thickness</u> <u>(in)</u>	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	<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							
Liners							

PACKERS

Kind:	
Sizes:	
Depths Set:	

18)

61811/30/18

APINO. 47-051 - 02107
OPERATOR WELL NO. 12H
Well Pad Name: Hazlett

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, de-foamer, suspension agent, and friction reducer.

25) Proposed borehole conditioning procedures:

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

4705 + 02107

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.

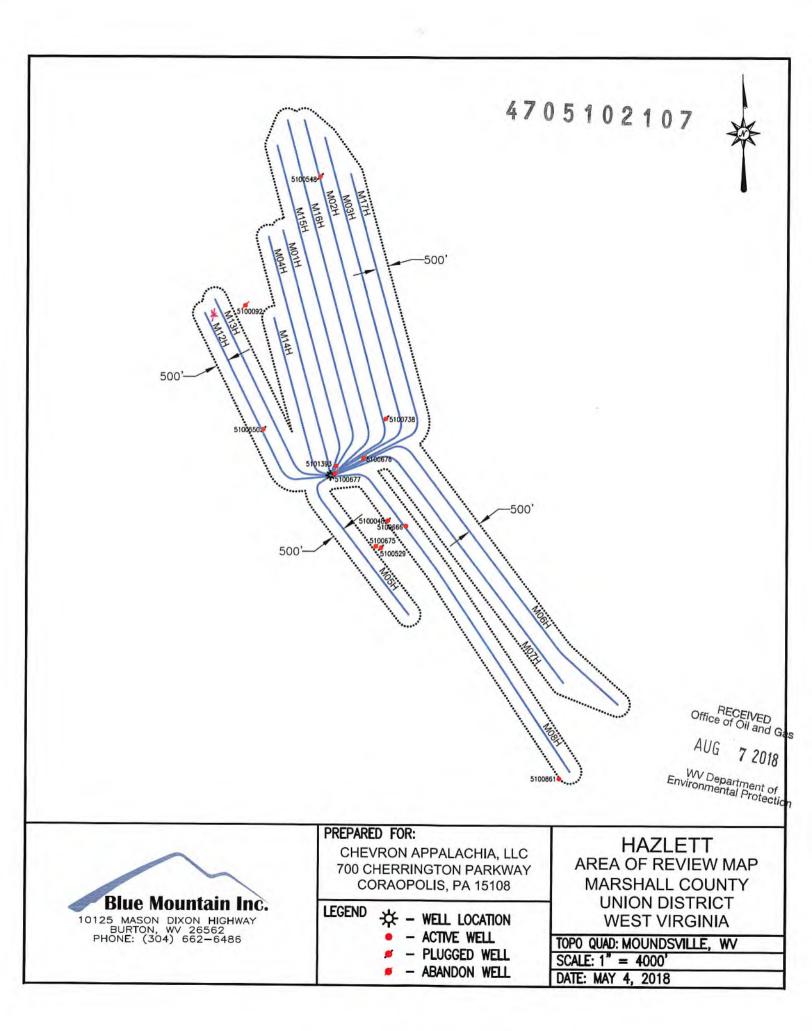
The tail will contain class A, G, or H cement, Calcium Carbonate, KCl, dispersant, de-foamer, suspension agent, and friction reducer.

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WV Department of Environmental Protection

				H	lazlett M1	2H			
ermit# lay Twp, Marshall Co, V	w		-					Ground Level Elev. (ft above SL): **All depths below reference GL**	1144
1/30/2018 6:04 DRILLING FLUID /	CENTRALIZER	CASING SIZE /	DEP	пн	WELLHEAD DESIGN	HOLE	HOLE	CASING	CEMENT
BIT TYPE / TFA	PROGRAM	FORMATION	MD (FT)	TVD (FT)	FMC UH-S 13 5/8"	SIZE (IN)	DEPTH (FT)	SPECS	PROGRAM
Core Barrel / Auger	2 Bowspring per Jt	30" Conductor	50	50	INC AZM	36	50	<u>Conductor</u> 30" 118.2# X-42 29.25 Minimum 40 ft from GL or at les	Grout to Surface
ir DRL with Mist and additives / 25° Nammer	Bow Spring: (1) on shoe track wi stop collar & (1) pp i over coupling to surface	30 Condicion				<u>.</u>		Surface Casing 20° 94# J-55 BTC 0.438' Wall Couping OD (in) 21.000 ID (in) 19.124 Drift ID (in) 19.124 Drift ID (in) 19.124 Drift ID (in) 19.124 Drift ID (in) 19.124 Collapse (psi) 2110 Collapse (psi) 520 Yield (J: Strength 1.000 lbs) 1402 Capacity (bb/ft) 0.3553 Annulus (bb/ft) 0.2681	Surface Blend (Class A) Cement to surface 30% Excess
Vir DRL with Mist and additives	Bow Spring: (1) en shee track wi step cellsr & (1) per it over coupling (1) installed 100 ft from	20" Casing	591	591		26	621	Minimum 50 ft past deepest 1 Coal String 13-078" 54.58 J-55 BTC 0.380" Wall Coupling OD (in) 14.375 ID (in) 12.015 Dirth D (in) 12.459 Burst (pai) 2730	crown fresh water <u>Intermediate I Blend (Class A)</u> Cernent grout to surface Shoe Job Vol. (50% Excess) Grout Job Vol. (100% Excess)
	surface Basket Placement Secured w(22) lock rings above and (1) below	Basket Placement Top of Coal Deepest Coal		C				Collapse (psi) 1130 Yield (Jt Strength 1.000 lbs) 653	
		13-3/8" Casing	724	724		17.50	754	Minimum 30 ft - Optimum 50 f	t past deepest coal
Ar DRL with Mist and additives	Bow Spring: (1) on shoe track wi stop collar & (1) per 3 jis over coupling							Intermediate Casina 9-58" 40# L-80C BTC 0.395" Wall Couping OD (in) 10.625 ID (in) 8.835 Drift ID (in) 8.635 Drift ID (in) 8.635 Drift ID (in) 8.750 Colapse (psi) 5760 Colapse (psi) 3080 Yield (Jt Strength 1,000 lbs) 916	Coment to surface 30% Excess
		9-5/8" Casing	2,116	2,116		12.25	2,176	Set 100' below the N	urrysville
	Surface - TOC (1) per every other it 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 above KOP							Production Casing 5-1/2" 268 P110EC DWCIC-IS-Plus 361 'Wal Cauping OD (m) 6,300 ID (m) 4,778 Drift D (m) 4,653 Burst (psi) 14380 Collapse (psi) 12090 Yield (Jt Strength 1.000 lbs) 729	Production Lead Slurry (Class A. G. H) Cement top approximately 50° below 5/8° shoe
		КОР				8.5 to 8.7	5		
Planned MW: 11.6ppg SBM - 12.6ppg SBM									<u>Production Tail Slurry</u> (Class A, G, H)



				UNKNOWN	UNKNOWN	I INKNOWN		UNKNOWN	UNKNOWN		NAADAINAID	I INKNOWN		IUNKNOWN	IINKNOWN		NMONNIN	TINKNOWN		IUNKNOWN	
		Verural I.U Producing Formation	JNKNOWN IBERFA SANDETONE			6250' MARCELLUS SHALE	3100' CODUNI CANDETONI		3100 GORDON SANDSTONE	JNKNOWN UNKNOWN			1626 BIG INITINI		2/U0' GORDON SANDSTONE	2700' GORDON SANDETONE		NOCH BIG INJUN	378' PITTSRIIDGU		
	Latitude I anothinda 14		-80.719818	39.967281 -80.709460	39 961821 OA 74666	T 30400100	39.961040 -80.716806	39.962782	20101000	39.3/9/62 -80.730517	39.965829 -80.7275.42		39.900803 -80.708895	39 955223		39.952901 -80.710590	39.952756 - Rh 7h08371		39.92/045 -80.682911		
	Operator - DEP Status	PACE, PREBLE & BOWER INC. DI LICCEN		TELL FILLOFERIN CO., INC. PLUGGED	CHEVRON APPALACHIA LLC	UNIVERSAL MINERAL INC. ADAMIDONITIC		UNIVERSAL MINERAL, INC. ABANDONED	CONLEY & ASSOC	TAFED INC	PLUGGED	WASMUTH - CALLAHAN GAS CO		DIVIVERSAL ININERAL, INC. ABANDONED	UNIVERSAL MINERAL INC. A AAAIDONICO		PLUGGED	CNX GAS COMPANY, LLC			
Well IU Prior Operator On Reserved	DAPE ODEDI E O DANITA MIC	I NOL, THERE & BUWER INC.	MID-CON PETROLEUM CO., INC			COLEMAN, C.K	COLEMAN, C.R.		NUDUER VIL & GAS	PACE, PREBLE & BOWER INC.	WASMITH CALLANAN CAS CO	MUST CALLANAIN GAS UU.	COLEMAN, C R		COLEMAN, C.K	PACE-BOWER CONSTRUCTION PACE	Chy cas coaraany 110	LOUND AND COUNTRAINT, LLU			
	47-051-0054R	A7 06 00100	85/00-Tcn-/+	47-051-01393	47-051-00677		47-051-00676	47-051-00000	70000 700 11	4/-051-00550	47-051-00048		47-051-00666	47-051-0067E		47-051-00529	47-051-00R61				

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API Number	47	0	5	-	0	2	1	0	1
API Number	47 -	V	2	-	0	finn	1	V	2

Operator's Well No. Hazlett 12H

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

FLUIDS/ CUTTINGS 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 compl Will a pit be used? Yes No	ete the proposed well work? Yes 🔽 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 Wastes:	
Land Application (if selected provide	e a completed form WW-9-GPP)
Underground Injection (UIC Permit	Number)
Reuse (at API Number at next anticipate	ed well)
Off Site Disposal (Supply form WW	7-9 for disposal location)
Other (Explain	
Will closed loop systembe used? If so, describe: Yes, we will b	e utilizing multiple open/closed top tanks

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Air to KOP & Oil based from KOP to TMD

-If oil based, what type? Synthetic, petroleum, etc. Synthetic

Additives to be used in drilling medium? Barite, fluid loss, emulsifiers, rheological control

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Removed offsite

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

-Landfill or offsite name/permit number? Short Creek Landfill/SWF-1034/WV0109517 and Arden Landfill/#100172

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

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

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

Company Official Signature Quy Ha	MAS RECEIVED Office of Oil and Gas
Company Official (Typed Name)_Jenny Hayes 0 Company Official Title_Permitting Team Lead	AUG_7 2018 WV Department of Environmental Protection
Subscribed and sworn before me this 27th day of June	, 20 18 Commonwealth of Penney Wanca , 20 18 County of Alleghany Notary Public
My commission expiresSeptember 17, 2018	Commonwealth of Pennsylvania - Notary Seal Laura Savage, Notary Public Allegheny County My commission expires September 17, 2018 Commission number 1285773

		to pH	oted in soils report	
Fertilizer type 10-20-	-20			
Fertilizer amount 300)	lbs/acre		
Mulch 3, 5 for wint	ter stabilization	Fons/acre		
		Seed Mixtures		
Temp	porary		Perma	nent
Seed Type See Attached	lbs/acre	See A	Seed Type	lbs/acre
Photocopied section of involved	a Uilala	è.		
	n Uibela	2 a		
lan Approved by:	n Uichols	2		
lan Approved by:	n Uribala	2		
lan Approved by:	n Uribals	2		
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lan Approved by:	n Uribals	2		RECI Office of C
lan Approved by:	u Uribals	2		BECI
lan Approved by:		Date:	6/26/18	REC Office of

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

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Chevron

Appalachian LLC WV Well Site Safety Plan Pad: Hazlett Pad A Well # M12H 28 Timmi Lane

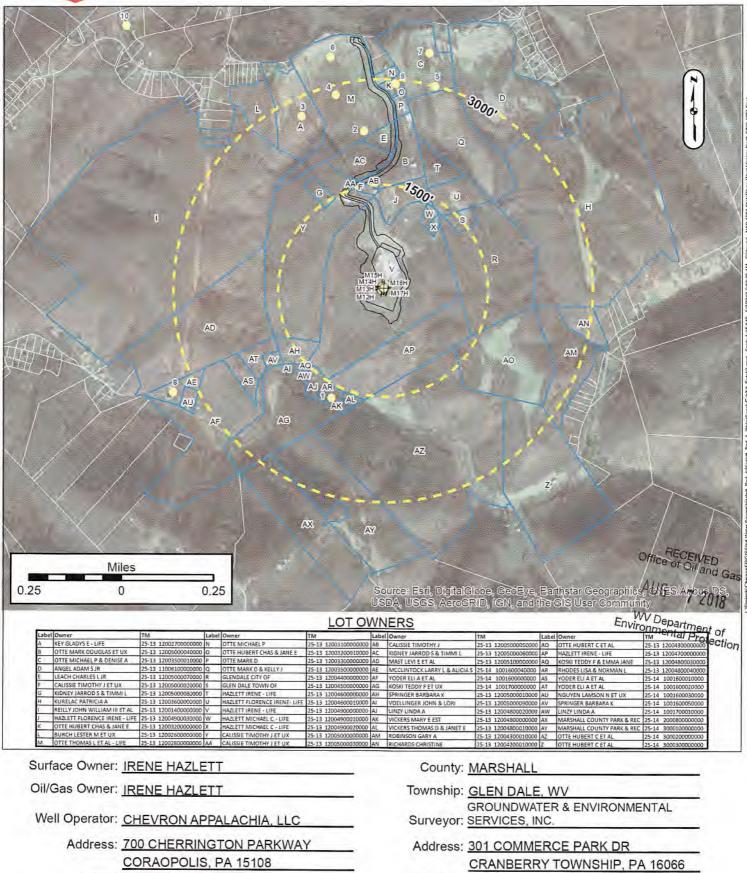
28 Timmi Lane Glen Dale, WV 26038 Glen Dale District $\mathcal{Y}^{7/9/18}$ Marshall County, WV Access Point – [39.964486°N, 80.719328°W] Well Site – [39.961756°N, 80.717081°W] Marshall County, West Virginia

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AUG 7 2018



WATER SUPPLY EXHIBIT HAZLETT PAD A BATCH #24 7 0 5 1 0 2 1



Phone: 724-564-3700

Phone: 800-267-2549

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



4705102107

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	1
2	39°58'00.68520"N 80°43'06.23640"W	2,271	2,258	2,230	2,217	2,231	2,245	1.1
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	
6	39°58'11.03880"N 80°43'12.64800"W	3,392	3,379	3,353	3,341	3,357	3,370	
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	

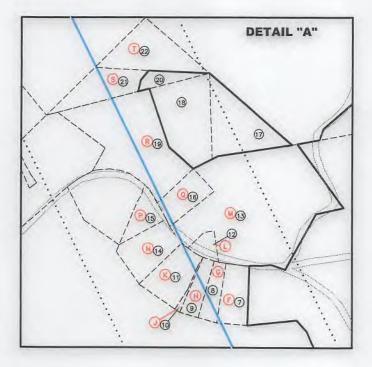
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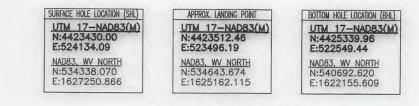
AUG 7 2018

	L is located on topo L is located on topo	map <u>8,043</u> feet south of map <u>14,328</u> feet south of	atitude: <u>40 °00 '00</u> " atitude: <u>40 °00 '00</u> "
R2 N 49'31'38" W 177.92' NOTES: R3 N 68'28'01" W 183.14' 1. There are	no water wells or developed springs within 250	of proposed well.	SURFACE HOLE LOCATION (SHL)
R5 N 03'05'15" W 1277,44' reservoir	well is greater than 100' from perennial stream, or lake. no native trout streams within 300' of proposed	welland, pond,	E:524134.09
4. Proposed water sup		water intake or public: MO2H C M15HC M15HC	NAD83, WV NORTH
surface or	 purpose or intention of this plat to represent sum mineral parcels depicted hereon. The location , are based on record deed descriptions, field et 	of the boundary lines, W05HO 1413HO U25HO	
tax map no tax ma	osition, unless otherwise noted. no existing buildings within 625' of proposed w	CHEAN CHEAN CHEAN	APPROX. LANDING POINT
51000		MOSHO LIBRO LZING MARC	N:4423512.46 E:523496.19 NAD83, WV NORTH 000
	ST STIMS REIN RD	RUN ISHO	N:534643.674
	SEE DETAIL "A"	1	E:1625162.115 3 3
	A.X.	UNNAMEE D THUUIARY 10 LHTLE GRAVE CREEK -	BOTTOM HOLE LOCATION (BHL) UTM 17-NAD83(M) N:4425339.966 F:522549.44
ALL	J.K. MARTIN	GRAVE CREEK	
	BALL THELL		NAD83, WV NORTH N:540692.620 E:1622155.609
OHU RIVER SEENIC RYWAY	THE HILL RO	CON RUS	W W
WELL HAZLETT M12H	STATION OF	H H L +	LEGEND St st of - TOPO WAP POINT of
HALLET MIZH WAPLEQ			-XE - WELL
DAKQ B. B.			OTHERWISE NOTED.
MAPLE Q R3	5100550	5-1-1-1	
REFERENCE REFERENCE		5100676	WELL REFERENCE
REFERENCE AZ: 333'34'17"		译 5101393 5100677	HORIZONTAL WELL
		R6 DETARE 2400'	- STREAM CENTER UNE
APPROXIMATE LANDING POINT OF HORIZONTAL LEG	ETT M12H STATE	00	- SURFACE OWNERS - DETAIL
	ETT MIZE		GAS WELLS - EXISTING WELLS
		AITT T THEAVE CREEN RD	💉 - PLUGGED WELLS
		5100048 510066	DY CT
	Y Ame	CRAVE GREEN \$100675 5100529	
	N X		SHL
	X	\$100658	
11023 MASON DIXON HIGHWAY	Y	LUNNAMED TRIBUTARY	-UNNAMED TRIBUTARY
BURTON, WV 26562 PHONE: (304) 662-6486 SEE P	AGE 2 FOR SURFAC	TO LITTLE GRAVE CREEK	IS No. 2000 STATE OF VIRGINITUM PLACE SEAL HERE
FILE #: HAZLETT M12H		RSIGNED, HEREBY CERTIFY THAT TH	S UNIT GEORGE & STATIL
DRAWING #: HAZLETT M12H	BELIEF AND SHOWS A	THE BEST OF MY KNOWLEDGE AND	No 2000
SCALE: 1" = 2000'	a second s	ATIONS ISSUED AND PRESCRIBED B' ENVIRONMENTAL PROTECTION.	STATE OF
MINIMUM DEGREE	M	man Qdi	NIRGINICST VIRGINICO
OF ACCURACY: 1/2500 PROVEN SOURCE	Signed:	age app	- SIONAL SURMINI
PROVEN SOURCE OF ELEVATION: U.S.G.S. MONUMENT THOMAS 1498.81'	R.P.E.:	L.L.S.: P.S. No. 2000	PLACE SEAL HERE
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS	WEST	DATE: NOVEMBER	
WVDEP	Side it.	OPERATOR'S WELL #:	
OFFICE OF OIL & GAS 601 57TH STREET	·		
JULI JULI JULI	A LA MARKEN AND A REAL	API WELL #:	F1
CHARLESTON, WV 25304	the second		51 OZIO7 COUNTY PERMIT
CHARLESTON, WV 25304	V Production Dee	STATE C	COUNTY PERMIT
CHARLESTON, WV 25304 Well Type: Oil Waste Disposal	X Production Dee	p X Gas Liquid Injection	COUNTY PERMIT
CHARLESTON, WV 25304 Well Type: Oil Waste Disposal WATERSHED: SHORT CREEK-OHIO RIVER		p X Gas Liquid Injection ELEVATION:	COUNTY PERMIT
CHARLESTON, WV 25304 Well Type: Oil Waste Disposal WATERSHED: SHORT CREEK-OHIO RIVER COUNTY/DISTRICT: MARSHALL / UNIO SURFACE OWNER: IRENE HAZLETT-LIFI	N E	p X Gas Liquid Injection ELEVATION: QUADRANGLE:ACREAGE	COUNTY PERMIT Storage Shallow 1148.00' VILLE, WV 7.5' T7.24±
CHARLESTON, WV 25304 Well Type: Oil Waste Disposal WATERSHED: SHORT CREEK-OHIO RIVER COUNTY/DISTRICT: MARSHALL / UNIO	N E	p X Gas Liquid Injection ELEVATION: QUADRANGLE:ACREAGE	COUNTY PERMIT Storage Shallow 1148.00' VILLE, WV 7.5' T7.24±
CHARLESTON, WV 25304 Well Type: Oil Waste Disposal WATERSHED: SHORT CREEK-OHIO RIVER COUNTY/DISTRICT: MARSHALL / UNIO SURFACE OWNER: IRENE HAZLETT-LIFI	n E Kelly ann mease, zane edward neilsen, En, patricia ann mccracken, robert Jan	47 STATE p X Gas Liquid Injection ELEVATION: QUADRANGLE: MOUNDS ACREAGE NANCY A. BAKER, VACCRACKEN, FLORENCE HAZLETT ET AL ACREAGE	COUNTY PERMIT Storage Shallow 1148.00'
CHARLESTON, WV 25304 Well Type: Oil Waste Disposal WATERSHED: SHORT CREEK-OHIO RIVER COUNTY/DISTRICT: MARSHALL / UNIO SURFACE OWNER: IRENE HAZLETT-LIF DOWNLD BOYD YOHO, OIL & GAS ROYALTY OWNER: LARPY JOHN MCCRACK	N E KELLY ANN MEASE, ZANE EDWARD NEILSEN, EN, PATRICIA ANN MCCRACKEN, ROBERT JAN R REDRILL FI	47 STATE p X Gas Liquid Injection ELEVATION: QUADRANGLE: MOUNDS ACREAGE NANCY & BAKER, MOCRACKEN, FLORENCE HAZLETI ET AL ACREAGE RACTURE OR STIMULATE X	COUNTY PERMIT Storage Shallow 1148.00'
CHARLESTON, WV 25304 Well Type: Oil Waste Disposal WATERSHED: SHORT CREEK-OHIO RIVER COUNTY/DISTRICT: MARSHALL / UNIO SURFACE OWNER: IRENE HAZLETT-LIF OONALD BOYD YOHO, OIL & GAS ROYALTY OWNER: LARY JOHN MCCRACK DRILL X CONVERT DRILL DEEPEN	N E KELLY ANN MEASE, ZANE EDWARD NEILSEN, EN, PATRICIA ANN MCCRACKEN, ROBERT JAN R REDRILL FI	47 STATE p X Gas Liquid Injection ELEVATION: QUADRANGLE: MOUNDS ACREAGE NMKY A. BAKER, MOUNDS ACREAGE NANCY A. BAKER, MOUNDS ACREAGE NULL AN OUT & REPLUG OTHER (CONSTINUE)	COUNTY PERMIT Storage Shallow 1148.00' VILLE, WV 7.5' 495.034± UG OFF OLD FORMATION CHANGE
CHARLESTON, WV 25304 Well Type: Oil Waste Disposal WATERSHED: SHORT CREEK-OHIO RIVER COUNTY/DISTRICT: MARSHALL / UNIO SURFACE OWNER: IRENE HAZLETT-LIFI OIL & GAS ROYALTY OWNER: LARY JOHN MCCRACK DRILL X CONVERT DRILL DEEPEI PERFORATE NEW FORMATION PLUG & (SPECIFY): MARCELLUS	N E KELLY ANN MEASE, ZANE EDWARD NEILSEN, EN, PATRICIA ANN WCCRACKEN, ROBERT JAN R REDRILL FI & ABANDON CLE	47 STATE p X Gas Liquid Injection ELEVATION: QUADRANGLE: MOUNDS ACREAGE NANCY & BAKER, (MOCRACKEN, FLORENCE HAZLETI ET AL ACREAGE NANCY & BAKER, MOUNDS ACREAGE NANCY & BAKER, MOCRACKEN, FLORENCE HAZLETI ET AL ACREAGE NANCY & BAKER, MOUNDS ACREAGE NANCY & BAKER, MOCRACKEN, FLORENCE HAZLETI ET AL ACREAGE NANCY & BAKER, MOCRACKEN, FLORENCE HAZLETI ET AL ACREAGE NOUT & REPLUG OTHER (C ESTIMATED DEPTH:	COUNTY PERMIT Storage Shallow 1148.00' 1148.00' VILLE, WV 7.5'
CHARLESTON, WV 25304 Well Type: Oil Waste Disposal WATERSHED: SHORT CREEK-OHIO RIVER COUNTY/DISTRICT: MARSHALL / UNIO SURFACE OWNER: IRENE HAZLETT-LIF OIL & GAS ROYALTY OWNER: LARRY JOHN MCCRACK DRILL X CONVERT DRILL DEEPEI PERFORATE NEW FORMATION PLUG & (SPECIFY):	N E KELLY ANN MEASE, ZANE EDWARD NEILSEN, EN, PATRICIA ANN WCCRACKEN, ROBERT JAN R REDRILL FI & ABANDON CLE	47 STATE p X Gas Liquid Injection ELEVATION: QUADRANGLE: MOUNDS ACREAGE NANCY & BAKER, (MOCRACKEN, FLORENCE HAZLETI ET AL ACREAGE NANCY & BAKER, MOUNDS ACREAGE NANCY & BAKER, MOCRACKEN, FLORENCE HAZLETI ET AL ACREAGE NANCY & BAKER, MOUNDS ACREAGE NANCY & BAKER, MOCRACKEN, FLORENCE HAZLETI ET AL ACREAGE NANCY & BAKER, MOCRACKEN, FLORENCE HAZLETI ET AL ACREAGE NOUT & REPLUG OTHER (C ESTIMATED DEPTH:	COUNTY PERMIT Storage Shallow 1148.00' 1148.00' VILLE, WV 7.5'

1	SURFACE OWNER	DIST-TM/PAR
1	IRENE HAZLETT - LIFE	13-12/49
2	LEVI E. MAST ET AL	13-12/51
3	TIMOTHY J. CALISSIE ET UX	13-12/50
4	TIMMI L. KIDNEY	13-12/50.8
5	JOHN WILLIAM REILLY III ET AL	13-12/14
6	JOHN WILLIAM REILLY III ET AL	13-12/1
7	RITA A. GUZEK	13-12/6
8	MARK T. NAUMANN	13-12/5
9	JOHN B. GUZEK ET UX	13-12/5.1
10	JOHN B. & ELIZABETH A. GUZEK	13-12/4.1
11	TIMOTHY J. & JENNA L. COOK	13-12/4
12	*CITY OF GLEN DALE	13-11/79.8
13	TIMOTHY F. REILLY SR.	13-11/79.1
14	JOHN A. DEPTO ET UX	13-12/3
15	*KEVIN BROWN & SAMANTHA DURRAH	13-12/2
16	TIMOTHY F. REILLY	13-11/79
17	TIMOTHY F. REILLY SR.	13-11/77.2
18	JOHN WILLIAM REILLY III	13-11/79.3
19	JOHN WILLIAM REILLY III	13-11/79.7
20	MICHAEL J. REILLY ET UX	13-11/79.6
21	MICHAEL J. REILLY ET UX	13-11/79.5
22	MICHAEL JOSEPH REILLY	13-11/79.4
23	FREDERICK L. BRAUTIGAN ET UX	13-11/77
24	MARSHALL LAND LLC	8-6/2
25	MARSHALL LAND LLC	8-6/3

	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	LEVI E. MAST ET AL	13-12/51
	BOUNTY MINERALS LLC	
	ELI A. YODER	
	DAVID H. MILLER	
С	TIMOTHY J. CALISSIE ET UX	13-12/50
D	MARY ANN YOHO	13-12/14
F	MICHAEL J. REILLY	
	THERESA J. REYNOLDS	
	TIMOTHY F. REILLY	
	PATRICIA K. DORAN	
	JOHN W. REILLY III	3
E	MARY ANN YOHO	13-12/1
	MICHAEL J. REILLY	
	THERESA J. REYNOLDS	
	TIMOTHY F. REILLY	
	PATRICIA K. DORAN	
	JOHN W. REILLY III	
F	RITA A. GUZEK	13-12/6
G	MARK T. NAUMANN JR.	13-12/5
Н	JOHN B. GUZEK ET UX	13-12/5.1
J	GREGORY GANTZER	13-12/4.1
К	GREGORY GANTZER	13-12/4
L	*CITY OF GLENDALE	13-11/79.8
М	TIMOTHY F. REILLY SR.	13-11/79.1
N	JOHN A. DEPTO	13-12/3
Ρ	*KEVIN C. BROWN	13-12/2
Q	TIMOTHY F. REILLY SR.	13-11/79
R	JOHN WILLIAM REILLY III ET UX	13-11/79.7
S	MICHAEL JOSEPH REILLY ET UX	13-11/79.5
Т	MICHAEL JOSEPH REILLY ET UX	13-11/79.4
U	BRAUTIGAN FAMILY TRST DTD 11/27/2017	13-11/77
V	RALEIGH LAND LLC	8-6/2
	GREENBRIER LAND CO LLC	
W	RALEIGH LAND LLC	8-6/3
	GREENBRIER LAND CO LLC	





NOVEMBER 15, 2018

Blue Mountain 11023 MASON DIXON HIGHWAY BURTON, WV 26562 PHONE: (304) 662-6486 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:

Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
raunou	Grantor, Dessor, etc.	Grantee, Dessee, etc.	nojunj	Dooron age

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 Genny	Harrs				
Its:	Permitting Team	8				

Page 1 of 3

QLS NO	% Owned	Piat ID	Parcel	Lassor	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	B54/74	•	•	•	•
934443	6.25%	1	13-0012-0049-0000-0000	Mease, Kelly Ann	Chevron U.S.A. Inc.	0.18	859/86	•	•	•	٠
934444	12.50%	1	13-0012-0049-0000-0000	Neilsen, Zane Edward	Chevron U.S.A. Inc.	0.18	848/632	•	•	•	•
934837	12.50%	1	13-0012-0049-0000-0000	Baker, Nancy A.	Chevron U.S.A. Inc.	0.18	911/615	•	•	•	•
934842	4.17%	1	13-0012-0049-0000-0000	McCracken, Larry John	Chevron U.S.A. Inc.	0.18	848/581	•		•	-
934843	4.17%	1	13-0012-0049-0000-0000	McCracken, Patricia Ann	Chevron U.S.A. Inc.	0.18	848/586	•	•	•	•
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	Hazlett, Florence et al	Chevron U.S.A. Inc.	0.1875	949/19	•	•	-	•
		_		Mast, Levi E. et al	Mounteineer Natural gas Company	0.15	674/515	21/642 Mountaineer Gas Company to Chesapeake Appelachia,	27/50 Chesapeake Appalachia, LLC to Statoil USA Onshore Properties, Inc.	30/427 Statoll U.S.A. Onshore Properties, Inc. to Chevron U.S.A. Inc.	30/461 Chesapeake Appalachia, L.L.C. Chevron U.S.A. ir
953839	16.67%	2	13-0012-0051-0000-0000	5	Charges 115 A los	0.2	950/193	uc		_	
953839	50.00%	2	13-0012-0051-0000-0000	Bounty Minerals LLC	Chevron U.S.A. Inc.		961/1	•	•		
955106	16.67%	2	13-0012-0051-0000-0000	Yoder, Eli A.	Chevron U.S.A. Inc.	0.18	•	•	•	•	-
955713	16.67%	2	13-0012-0051-0000-0000	Miller, David H.	Chevron U.S.A. Inc.	0.18	961/9	•	•	-	•
948207	100.00%	3	13-0012-0050-0000-0000	Calissie, Timothy J. et ux	Chevron U.S.A. Inc.	0.18	901/16	•	•	•	•
934990	100.00%	4	13-0012-0050-0008-0000	Kidney, Timmi L.	Chevron U.S.A. Inc.	0.18	848/496	•	•	•	-
933970	16.67%	5	13-0012-0014-0000-0000	Yoho, Mary Ann	Chevron U.S.A. Inc.	0.18	847/278	-	•	•	•
933971	16.67%	5	13-0012-0014-0000-0000	Reilly, Michael J.	Chevron U.S.A. Inc.	0.18	847/305	•	•	•	•
933972	16.67%	5	13-0012-0014-0000-0000	Reynolds, Theresa J.	Chevron U.S.A. Inc.	0.18	847/257	•	•	-	•
933973	16.67%	5	13-0012-0014-0000-0000	Reilly, Timothy F.	Chevron U.S.A. Inc.	0.18	847/241	•	•	•	•
33974	16.67%	5	13-0012-0014-0000-0000	Doran, Patricia K.	Chevron U.S.A. Inc.	0.18	847/287	•	•	•	•
33976	16.67%	5	13-0012-0014-0000-0000	Reilly, John W. III	Chevron U.S.A. Inc.	0.18	847/298	•	•	•	•
933970	16.67%	6	13-0012-0001-0000-0000	Yoho, Mary Ann	Chevron U.S.A. Inc.	0.18	847/278	•	•	•	•
933971	16.67%	6	13-0012-0001-0000-0000	Relily, Michael J.	Chevron U.S.A. Inc.	0.18	847/305	•	•	•	•
933972	16.67%	6	13-0012-0001-0000-0000	Reynolds, Theresa J.	Chevron U.S.A. Inc.	0.16	847/257	•	•	•	-
933973	15.67%	6	13-0012-0001-0000-0000	Relly, Timothy F.	Chevron U.S.A. Inc.	0.18	847/241	•	-	•	•
933974	16.67%	6	13-0012-0001-0000-0000	Doran, Patricia K.	Chevron U.S.A. Inc.	0.18	847/287	•	•	•	•
933976	16.67%	6	13-0012-0001-0000-0000	Relily, John W. III	Chevron U.S.A. Inc.	0.18	847/295	•	•	ECEIVED	•
934748	100.00%	7	13-0012-0006-0000-0000	Guzek, Rita A.	Chevron U.S.A. Inc.	0.18	847/443	•	- 🛱	ECEIVED	· •
936613	100.00%	8	13-0012-0005-0000-0000	Naumann, Mark T. Jr.	Chevron U.S.A. Inc.	0.18	861/592	•		of Oil and	Gas
934747	100.03%	9	13-0012-0005-0001-0000	Guzek, John B. et ux	Chevron U.S.A. Inc.	0.18	847/210	•	office	Of Up and	
935307	100.00%	10	13-0012-0004-0001-0000	Gantzer, Gregory	Chevron U.S.A. Inc.	0.18	859/103	•	ÝÝ-	•	•
935507	100.00%	11	13-0012-0004-0000-0000	Gantzer, Gregory	Chevron U.S.A. Inc.	0.18	859/103	•		001	0
Pendine	100.00%	12	13-0011-0079-0008-0000	City of Gien Dale	Chevron U.S.A. Inc.	0.19	UNRECORDED		- 1	UNV 2.7 201	ο.
949380	100.00%	13	13-0011-0079-0001-0000	Reilly, Timothy F. Sr.	Chevron U.S.A. Inc.	0.18	907/301		۰ . ۱	NOV 2 7 201	•
935244	100.00%	14	13-0012-0003-0000-0000	Depto, John A.	Chevron U.S.A. Inc.	0.18	853/499	-	•	•	
952578	100.00%	15	13-0012-0002-0000-0000	Brown, Kevin C.	Chevron U.S.A. Inc.	0.18	940/415	•		Departme	ani Ol-
949380	100.00%	16	13-0011-0079-0000-0000	Relly, Timothy F. Sr.	Chevron U.S.A. Inc.	0.18	907/301		. WV	Departmental P	
949380	100.00%	17	13-0011-0077-0002-0000	Relly, Timothy F. Sr.	Chevron U.S.A. Inc.	0.18	907/31			-montal Pl	rotection
949170	100.00%	18	13-0011-0079-0003-0000	Reilly, John William III et ux	Chevron U.S.A. Inc.	0.18	907/55		Enviro	Illie in .	•
949170	100.00%	19	13-0011-0079-0007-0000	Reiliy, John William III et ux	Chevron U.S.A. Inc.	0.18	907/55			-	-
949170	100.00%	20	13-0011-0079-0006-0000	Relliy, Michael Joseph et ux	Chevron U.S.A. Inc.	0.18	907/58		-	•	-
949171 949171	100.00%	20	13-0011-0079-0005-0000	Reilly, Michael Joseph et ux	Chevron U.S.A. Inc.	0.18	907/58	-	-	•	
			13-0011-0079-0003-0000	Reilly, Michael Joseph et ux	Chevron U.S.A. Inc.	0.18	907/58	-	-		•
949171	100.00%	22				0.18	967/452	-		-	-
955060 Pending	100.00%	23	13-0011-0077-0000-0000 Route 250	Brautigan Family Trst DTD 11/27/2017 The West Virginia Department of Transportation, Division of Highways	Chevron U.S.A. Inc. Chevron U.S.A. Inc.	0.19	968/489	•	•	•	•
954010		-	08-0005-0002-0000-0000	Division of Highways Raielgh Land LLC	Chevron U.S.A. Inc.	0.18	952/3				
	SO.00%	24	00-0000-0002-0000-0000	Kalaigu raud rir	CURALOU O'2'W' IUC'	0.10	22613	-	-		

Hazlett Unit #12H - MARC - BATCH 2 MLS - FINAL

QLS NO	% Owned	Plat ID	Parcel	Lessor	Lasseq	Royalty	Book/Page	Assignment #1	Assignment #2	Assignment #3	Assignment #4
954010	50.00%	25	08-0005-0003-0000-0000	Raieigh Land LLC	Chevron U.S.A. Inc.	0.18	952/3	•	•	•	•
954016	50.00%	25	08-0006-0003-0000-0000	Greenbrier Land Co LLC	Chevron U.S.A. Inc.	0.18	952/6	-	•	•	•

RECEIVED	
Office of Oil and	1

NOV 2 7 2013 WV Department of Environmental Protection



Mitchell G. Limbert Land Representative, AMBU

4705 + 02107

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 mimbert@chevron.com

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS 2 1 0 7 NOTICE CERTIFICATION

Date of Notice Certification: 06/07/20.18

API No. 47-	÷
Operator's Well N	No. M12H
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	LITNANIAD 82	Easting:	524134.092	
County:	Marshall	UTM NAD 83	Northing:	4423430.001	
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				

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 by the applicant.

Pursuant to West Virginia Code § 22-6A, the Operator has attached proof to this Notice Certification that the Operator has properly served the required parties with the following: *PLEASE CHECK ALL THAT APPLY	OOG OFFICE USE
□ 1. NOTICE OF SEISMIC ACTIVITY or ■ NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED	ONLY
□ 2. NOTICE OF ENTRY FOR PLAT SURVEY or ■ NO PLAT SURVEY WAS CONDUCTED	C RECEIVED
3. NOTICE OF INTENT TO DRILL or ONTICE 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 Constrained of the second	RECEIVED
■ 5. PUBLIC NOTICE AUG 7 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:

4705 102107

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	
My com C	Allegheny County	Subscribed and swo	m before me this <u>7th</u> day of <u>June</u> 2018. <u>Awage</u> Notary Public prices <u>September</u> 17, 2018	

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 7 2018

WW-6A	
(9-13)	

API NO. 47	
OPERATOR WELL NO. M	12H
Well Pad Name: Haziett	

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL **4NP (3-55 * 0 2 1 0 7** <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:	8/4/18
Notice of:		

PERMIT FOR ANY WELL WORK

CERTIFICATE OF APPROVAL FOR THE CONSTRUCTION OF AN IMPOUNDMENT OR PIT

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

PERSONAL	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	RECEIVED
Name: Michael C. Hazlett (Remainder Interest)	COAL OPERATOR	Office of Oil and Gas
Address: 648 Markey Hill Lane	Name:	
Glen Dale, WV 26038	Address:	AUG 7 2018
SURFACE OWNER(s) (Road and/or Other Disturbance)		140.4
Name:	SURFACE OWNER OF WATER WELL	WV Department of Environmental Protection
Address:	AND/OR WATER PURVEYOR(s)	Protection
	Name: See Attached	
Name:	Address:	
Address:		
	OPERATOR OF ANY NATURAL GAS STOR	AGE FIELD
□ SURFACE OWNER(s) (Impoundments or Pits)	Name:	
Name:	Address:	
Address:		
	*Please attach additional forms if necessary	

WW-6A (8-13)

Notice is hereby given:

API NO. 47-OPERATOR WELL NO. M12H Well Pad Name: Hazlett

05102107

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 Environmentation of and Gas RECEIVED Additional information related to norizontal drilling may be obtained note the Secretary, and 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. 2018

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

WW-6A (8-13)

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:

4705102107

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 or the original comments with the secretary as to the location or construction of the applicant's proposed well work within thirty days after the original code secretary as to the location or construction of the applicant's proposed well work within thirty days after the original code secretary as to the location or construction of the applicant's proposed well work within thirty days after the original code secretary as to the location or construction of the applicant's proposed well work to the Secretary at:

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

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

WW-6A (8-13)

API NO. 47 0 5 1 0 2 1 0 7 OPERATOR WELL NO. MH2H 4 7

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 7 2018

WW-6A	API NO. 47
(8-13)	OPERATOR WELL NO. M12H
	Well Pad Name: Hazlett
Notice is hereby given by:	
Well Operator: Chevron Appalachia, LLC	Address: 700 Cherrington Parkway
Telephone: 412-865-1533	Coraopolis, PA 15108 4705 102107
Email: jzyk@chevron.com	Facsimile: 412-865-2403
Oil and Gas Privacy Notice: The Office of Oil and Gas processes your personal	Jump Hays information, such as name, address and telephone number, as part of our regulatory
duties. Your personal information may be disclose needed to comply with statutory or regulatory	ed to other State agencies or third parties in the normal course of business or as requirements, including Freedom of Information Act requests. Our office will you have any questions about our use or your personal information, please contact
DEP's Chief Privacy Officer at depprivacyofficer@	wv.gov.

s Chief Privacy Officer at depprivacyonicer(a)	Commonwealth of Pennsylvania County of Allegheny
Commonwealth of Pennsylvania - Notary Seal Laura Savage, Notary Public Allegheny County My commission expires September 17, 2018 Commission number 1285773	Subscribed and sworn before me this 7th day of June, 2018 Notary Public Notary Public
Member, Pennsylvania Association of Notaries	My Commission Expires September 17, 2018

Office of Oil and Gas AUG 7 2018

Attachment to WW-6A

API No. 47- _____-

OPERATOR WELL NO. M12H

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

Mar	ne:	
Add	lres	s:

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:

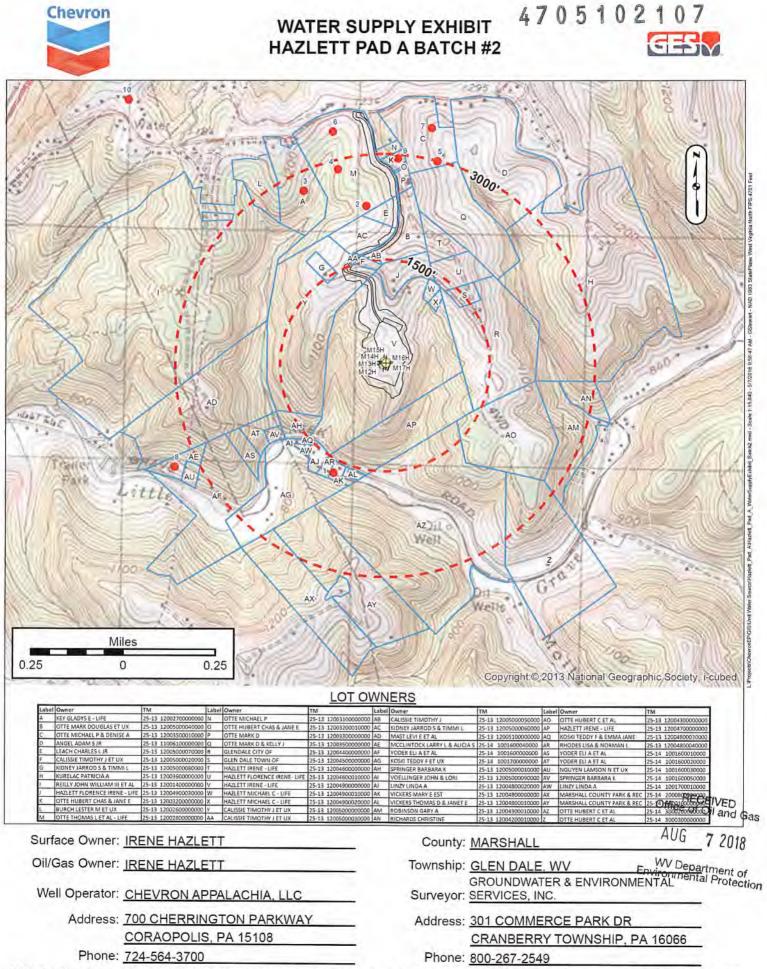
SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR Name: Address:

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 7 2018



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 NOTICE OF INTENT TO DRILL

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

Notice Time Requirement: Notice shall be j	provided at least TEN (10) days prior to	o fili	ng a	permit application.
Notice Time Requirement: Notice shall be p Date of Notice: 06/07/2018	Date Permit Application Filed:	K	16	<u>[18</u>

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	UTM NAD 83	Easting:	524134.092
County:	Marshall	UTIVI INAD 65	Northing:	4423430.001
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 151	108		
Telephone:	412-865-2504	Telephone:	BECENT
Email:	slaird@chevron.com	Email:	Office of Oil and Gas
Facsimile:	412-865-2403	Facsimile:	AUG 7 2010

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 business or as 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.

4705102107 STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF INTENT TO DRILL

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

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

 Date of Notice:
 06/07/2018

 Date Permit Application Filed:
 8/6/18

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: 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	UTM NAD 83	Easting:	524134.092	
County:	Marshall	UTMINAD 83	Northing:	4423430.001	
District:	Union	Public Road Acc	ess:	CR 10 Markey Lane	
Quadrangle:	Moundsville, WV 7.5'	Generally used fa	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 www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Notice is hereby given by:

Well Operator:	Chevron Appalachia, LLC	Authorized Representative:	
Address:	700 Cherrington Parkway	Address:	
Coraopolis, PA 15	108		Pro-
Telephone:	412-865-2504	Telephone:	Office of Oil and Gas
Email:	slaird@chevron.com	Email:	
Facsimile:	412-865-2403	Facsimile:	AUG 7 2018
			140.00

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.

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS <u>NOTICE OF PLANNED OPERATION</u> 4705 02107

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: 8/0/18

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	Glen 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	UTM NAD 83	Easting:	524134.092
County:	Marshall	UTMINAD 85	Northing:	4423430.001
District:	Union	Public Road Acc	ess:	CR 10 Markey Road
Quadrangle:	Moundsville, WV 7.5	Generally used fa	arm name:	Hazlett
Watershed	Short Creek - Obio 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 **Office** Wilfas needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office Wilfas appropriately secure your personal information. If you have any questions about our use or your personal information, blease contact, DEP's Chief Privacy Officer at <u>depprivacyofficer@wv.gov</u>.

WW-6A5 (1/12) Operator Well No. Hazlett M12H

4705102107

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS <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: ______ Date Permit Application Filed: ______ S / Lo / S

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	LITNA NIA D 92	Easting:	524134.092
County:	Marshali	UTM NAD 83	Northing:	4423430.001
District:	Union	Public Road Acc	cess:	CR 10 Markey Road
Quadrangle:	Moundsville, WV 7.5	Generally used f	arm name:	Haziett
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>.

				Office of Oil and Gas
Well Operator:	Chevron Appalachia, LLC	Address:	700 Cherrington Parkway	ALLO # 2010
Telephone:	412-865-2504		Coraopolis, PA 15108	AUG 7 2018
Email:	slaird@chevron.com	Facsimile:	412-865-2403	WV Department of
				Environmental Protection

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API NO. 4 4 7 0-5 OPERATOR WELL NO.	• ^	9	\ <u>-</u>
OPERATOR WELL NO.	121	2) /
Well Pad Name: Hazlett			

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,	, hereby state that I have read	the Instructions t	o Persons N	amed on Page WW-6A and the associated
provisions lis	and above, and that I have received copies of a	Notice of Applic	ation an Am	nlication for a Well Work Permit on Form
WW-6A and	attachments consisting of pages one (1) thro	ugh	including	the erosion and sediment control plan, if
required, and	the well plat, all for proposed well work on the	tract of land as fol	llows.	the crosson and sediment control plan, if
State:	West Virginia		Easting:	524134.092
County:	Marshall	UTM NAD 83	Northing:	4423430.001
District:	Union	Public Road Acc		CR 10 Markey Lane
Quadrangle:	Moundsville, WV 7.5'	Generally used f		Hazlett
Watershed	Short Creek/Ohio River	Contrainy used i	ann name.	1102101

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
L'SURFACE OWNER	Signature: leane Haylett
□ SURFACE OWNER (Road and/or Other Disturbance)	Print Name: Irewe Mazlett
□ SURFACE OWNER (Impoundments/Pits)	Date: $\underline{\gamma}_{-1}_{-1}$
□ COAL OWNER OR LESSEE	FOR EXECUTION BY A CORPORATION, ETC.
□ COAL OPERATOR	By: Alternative of Oil and State
□ WATER PURVEYOR	NIG 7 2010
OPERATOR OF ANY NATURAL GAS STORAGE FIELD	Signature: AOU Date: WV Department of Environmental Protection

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>.

API NO. 47			
OPERATOR WELL NO. 12H			
OPERATOR WELL NO. 12H Well Pad Names Harlett	021	0	7

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

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Comment and Waiver Provisions

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VOLUNTARY STATEMENT OF NO OBJECTION

I, <u>Longton K Using Cg</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	LEEN ANAD 22	Easting:	524134.092	
County:	Marshall	UTM NAD 83	Northing:	4423430.001	
District:	Union	Public Road Acc	ess:	CR 10 Markey Lane	
Quadrangle:	Moundsville, WV 7.5'	Generally used fa	Generally used farm name:		
Watershed:	Short Creek/Ohio River			Hazlett	

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: Toutlack Wallace			
□ SURFACE OWNER (Road and/or Other Disturbance)	Print Name: Lovelle Killallago			
□ SURFACE OWNER (Impoundments/Pits)	Date: June 24,2018			
□ COAL OWNER OR LESSEE	FOR EXECUTION BY A CORPORATION, ETC. Company:			
□ COAL OPERATOR	By: RECEIVED Its: Office of Oil and Gas			
□ WATER PURVEYOR	Signature: AUG 7 2018			
□ OPERATOR OF ANY NATURAL GAS STORAGE FIELD	Date:			

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

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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, Casey V. Saur	ders , hereby state that I	have read the Instructions t	o Persons N	amed on Page WW-6A and the associated
provisions lis	ted above, and that I have received o	copies of a Notice of Applic	ation, an Ap	plication for a Well Work Permit on Form
WW-6A and	attachments consisting of pages on	ie (1) through		the erosion and sediment control plan, if
	the well plat, all for proposed well we			
State:	West Virginia	UTM NAD 83	Easting:	524134.092
County:	Marshal	OTMINAD 85	Northing:	4423430.001
District:	Union	Public Road Ace	cess:	
Quadrangle:		Generally used t	arm name:	
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: Date:
□ 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 RECEIVED
□ WATER PURVEYOR	Its: Manager Coal/Gas Coordination BECEIVED Signature: Obey V. Saumling Office of Oil and Gas
□ OPERATOR OF ANY NATURAL GAS STORAGE FIELD	Date: 03/21/2018 AUG 7 2018

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WV Department of Environmental Protection

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WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

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

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 12H

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,

Jacy L. Clayton

Gary K. Clayton, P.E. Regional Maintenance Engineer Central Office Oil & Gas Coordinamse of Oil and Gas

AUG 7 2018 WV Department of Environmental Protection

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

E.E.O./AFFIRMATIVE ACTION EMPLOYER

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	

Office of Oil and Gas AUG 7 2018 WV Department of Environmental Protection

