

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

Tuesday, August 15, 2017 WELL WORK PERMIT Horizontal 6A / New Drill

CHEVRON APPALACHIA, LLC 700 CHERRINGTON PARKWAY

CORAOPOLIS, PA 15108

Re: Permit approval for HINES M06H

47-051-01928-00-00

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

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

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

James A. Martin Chief

Operator's Well Number: HINES M06H Farm Name: DANALD HINES ET UX

U.S. WELL NUMBER: 47-051-01928-00-00

Horizontal 6A / New Drill

Date Issued: 8/15/2017

Promoting a healthy environment.

API Number:	
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### PERMIT CONDITIONS 0 5 1 0 1 9 2 8

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

#### **CONDITIONS**

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

API Number:	

### PERMIT CONDITION\$7 0 5 1 0 1 9 2 8

11. The operator shall provide to the Office of Oil and Gas the dates of each of the following within 30 days of their occurrence: completion of construction of the well pad, commencement of drilling, cessation of drilling, completion of any other permitted well work, and completion of the well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov.



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Office of Oil and Gas 601 57<sup>th</sup> 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 800 Mountain View Drive Smithfield, PA 15478

DATE: August 14, 2017 ORDER NO.: 2017-W-9

#### 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 "Chevron" or "Operator"), collectively the "Parties."

#### FINDINGS OF THE CHIEF

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

- 1. OOG, an office within the West Virginia Department of Environmental Protection, is the agency with the duty and authority to execute and enforce W. Va. Code §22-6-1 and §22-6A-1 et seq., and the rules and regulations promulgated thereunder.
- 2. Chevron is a "person" as defined by W. Va. Code §22-6-1(n), with a corporate address as 800 Mountain View Drive, Smithfield, Pennsylvania.
- On April 24, 2017, Chevron submitted well work permit applications identified as API#s 47-051-01926, 47-051-01927, 47-051-01928, 47-051-01929, 47-051-01930, 47-051-01931, 47-051-01932 and 47-051-01933. The eight proposed wells are to be located on the Hines Pad in Washington District of Marshall County, West Virginia.
- 4. On April 24, 2017, Civil and Environmental Consultants, Inc. (CEC), on behalf of Chevron, requested a waiver for Wetlands 2A, 2B, 3A, and 3B 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 47-051-01926, 47-051-01927, 47-051-01928, 47-051-01929, 47-051-01930, 47-051-01931, 47-051-01932 and 47-051-01933. Wetlands 3A and 3B will be excluded from this waiver due to being located outside the area of the pad LOD.

#### **CONCLUSIONS OF LAW**

- 1. West Virginia Code §22-1-6(d) requires, in part, that "[i]n addition to other powers, duties and responsibilities granted and assigned to the secretary by this chapter, the secretary is authorized and empowered to...(3) Enter private lands to make surveys and inspections for environmental protection purposes; to investigate for violations of statutes or rules which the Office of Oil and Gas is charged with enforcing; to serve and execute warrants and processes; to make arrests; issue orders, which for the purposes of this chapter include consent agreements; and to otherwise enforce the statutes or rules which the Office of Oil and Gas is charged with enforcing."
- 2. West Virginia Code §22-6A-2(a)(6) requires, in part, that "Concomitant with the broad powers to condition the issuance of well work permits, the secretary should also have broad authority to waive certain minimum requirements of this article when, in his or her discretion, such waiver is appropriate: *Provided*, That the secretary shall submit a written report of the number of waivers granted to the Legislature commencing January 1, 2013, and each year thereafter."
- 3. West Virginia Code §22-6A-12(b) requires, in part, that "[n]o well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No well pad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the Office of Oil and Gas shall be measured as follows: (1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the lake or reservoir. (2) For a surface water intake on a flowing stream, the distance shall be measured from a semicircular radius extending upstream of the surface water intake. (3) For a groundwater source, the distance shall be measured from the wellhead or spring. The Office of Oil and Gas may, in its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. A waiver, if granted, shall impose any permit conditions as the secretary considers necessary."

#### **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 2A and 2B from well location restriction requirements in W. Va. Code §22-6A-12(b) for the well work permit applications identified as API#s 47-051-01926, 47-051-01927, 47-051-01928, 47-051-01929, 47-051-01930, 47-051-01931, 47-051-01932 and 47-051-01933. The Office of Oil and Gas hereby **ORDERS** that Chevron shall meet the following site construction and operational requirements for the Hines Well Pad:

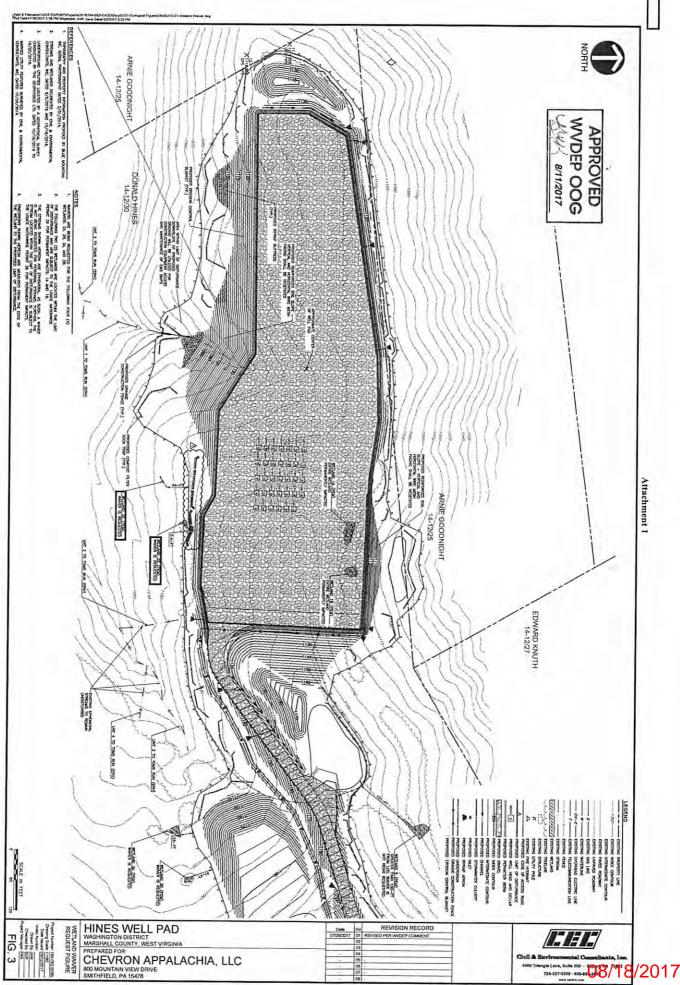
- a. A berm shall be constructed around the perimeter of the pad to contain any potential spills and storm water runoff. Berm is to be at least twenty-four inches (24") in height;
- b. Erosion control blankets shall be installed on all slopes and down gradient locations of the pad as erosion and sediment controlling BMPs;
- c. Wetland 2A shall have two layers of eighteen-inch (18") compost filter sock trap to prevent sediment from reaching the wetlands.
- d. Wetland 2B shall have two layers of twenty-four inch (24") compost filter sock trap to prevent sediment from reaching the wetlands.
- 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 14th day of August, 2017.

#### 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





March 2, 2017

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

Dear Reviewer:

Subject: Wetland and Perennial Stream Waiver Request Form

Chevron Appalachia, LLC Hines Well Pad Project

Washington District, Marshall County, West Virginia

CEC Project 164-052

#### 1.0 INTRODUCTON

On behalf of Chevron Appalachia, LLC (Chevron), Civil & Environmental Consultants, Inc. (CEC) is submitting a Wetland and Perennial Stream Waiver Request form 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 four (4) palustrine emergent wetlands for their proposed Hines Well Pad Project located in Washington District, Marshall County, West Virginia.

Chevron is proposing to construct a natural gas well pad and associated access road. The total limit of disturbance (LOD) for the project is approximately 19 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 September 9, 2015 and October 18, 2016. 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 Hines Well Pad Project is located off Campbell Hill Road in Washington District, Marshall County, West Virginia southeast of the City of Moundsville, as shown on the Site Location Map. The project's proposed LOD is located within 100 feet of four (4) wetlands as shown on the Aquatic Impacts Map. The approximate distance of each wetlands to the nearest as boundary of the LOD is as follows:

West Virginia Department of Environmental Protection Project 164-052 Page 2 March 2, 2017

- Wetland 2A 44 linear feet;
- Wetland 2B 0.4 linear feet:
- Wetland 3A 25 linear feet; and
- Wetland 3B 41 linear feet.

No perennial streams are located within 100 feet of the project LOD. A waiver is not being requested for the wetlands and the ephemeral stream located within the LOD, which includes Wetlands 1A and 1B and an unnamed tributary (UNT) 1 to Toms Run. Chevron is requesting authorization from the U.S. Army Corps of Engineers (USACE) Pittsburgh District for impacts to these features. A copy of the Nationwide Permit 39 Application to the USACE for these impacts 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 site would not be developed and no immediate environmental impacts would occur. Oil and 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.

The current single well pad and access road design approach of the Hines Well Pad combines three separate well pads and access roads that were conceptually planned by Chevron in the vicinity of the Hines Well Pad location. The overall earth disturbance of three separate projects would have been greater than the current one pad and access road project. Further, on the Hines property, the current location is the primary desired location due to the size of the proposed well pad and the steep topography of the surrounding area. 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.

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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. The four (4) wetlands that are located within 100 feet of the LOD are located on the southern side of the proposed well pad and access road. In order to maintain a 100-foot buffer from the four (4) wetlands, the well pad and access road would need to be shifted north, which is not feasible due to the steep topography located to the north of the proposed well pad. In addition, shifting the access to the north would cause the LOD to be within 100 feet of Wetland 5.

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.

As stated above, the current Hines Well Pad has been designed to take the place of three separate well pad and access road projects. As such, the singular well pad and access road will have less earth disturbance than the three separate projects. The current proposed Hines Well Pad design represents the alternative which reduces permanent impacts to the greatest degree practicable. Shifting the proposed well pad south or north would create higher fill slopes, and greater 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 Hines 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;

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- 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;
- 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
- The ephemeral stream located within the LOD and downgradient of the proposed fill slope toe-key outlet drain will be restored to approximate original dimensions 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 and Perennial Stream Waiver Request Form. Please contact Katie Moberg at 724-327-5200 or kmoberg@cecinc.com, if you have any questions or require additional information.

Respectfully submitted,

CIVIL & ENVIRONMENTAL CONSULTANTS, INC

Assistant Project Manager

Katie L. Moberg Project Manager

SVP:KLM/jg Enclosures

cc: Jenny Hayes, Chevron Appalachia, LLC

Office of Oil and Gas REGEIVED L-164054-12227 WV Department of Environmental Protection

# ATTACHMENT A WETLAND AND PERENNIAL STREAM WAIVER REQUEST FORM

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11/3/14			
Wetland	and Perennial Stream	Waiver	Request

11/3/14 Wetland and Perennial Stream Waiver Request	API Number: 47-051-01928 Operator's Well Number: Mouth
Well Operator: Chevron Appalachia, LLC	
	Well Pad Name: Hines Well Pad
	unty, Washington 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 Office of Oil and Gas waters of the state or within the restricted areas referenced in this section. RECENEL

WV Department of Environmental Protection

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.

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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.

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## ATTACHMENT B FIGURES

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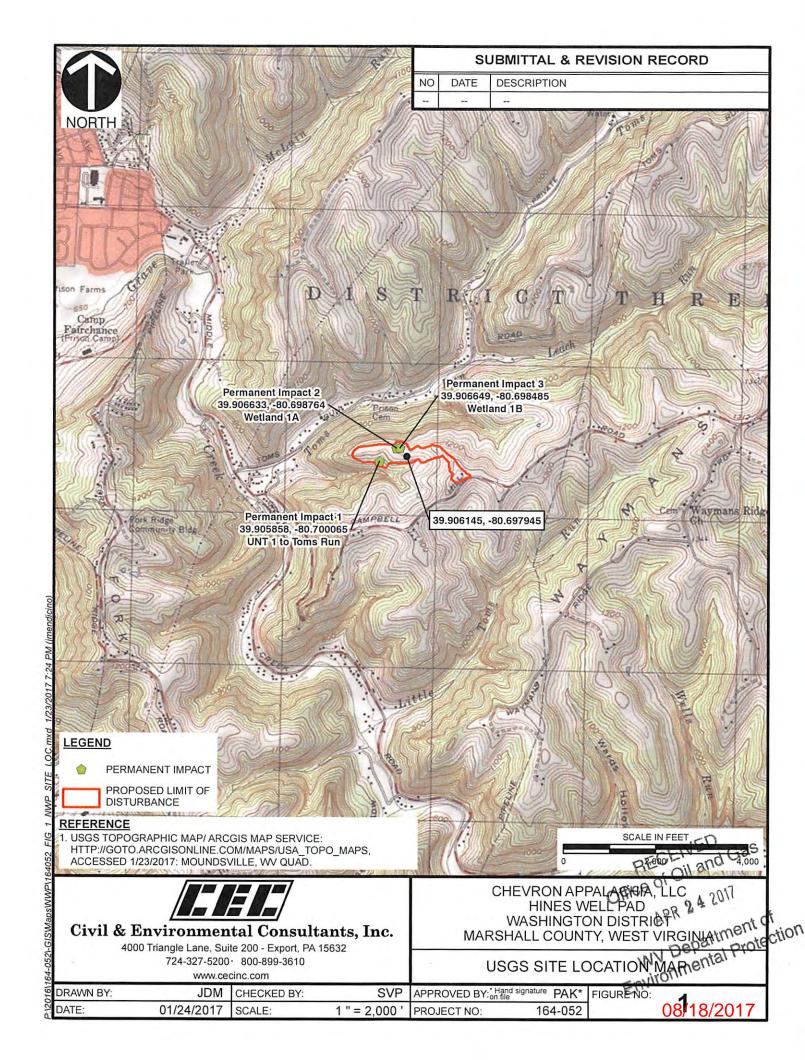
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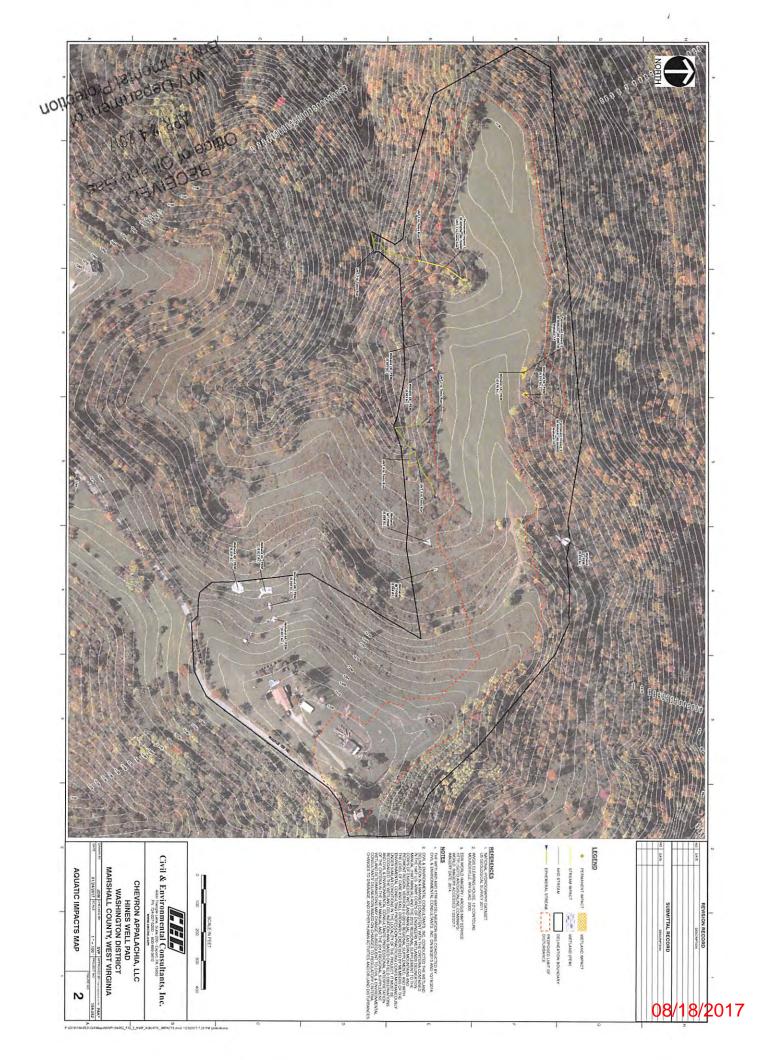
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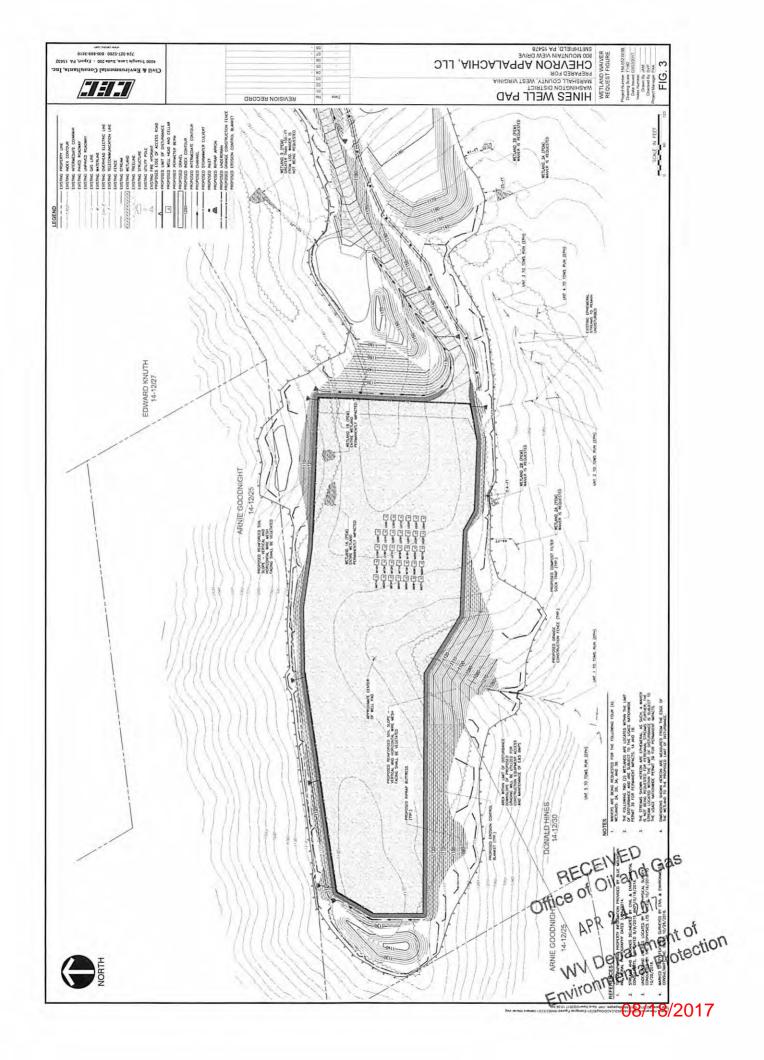
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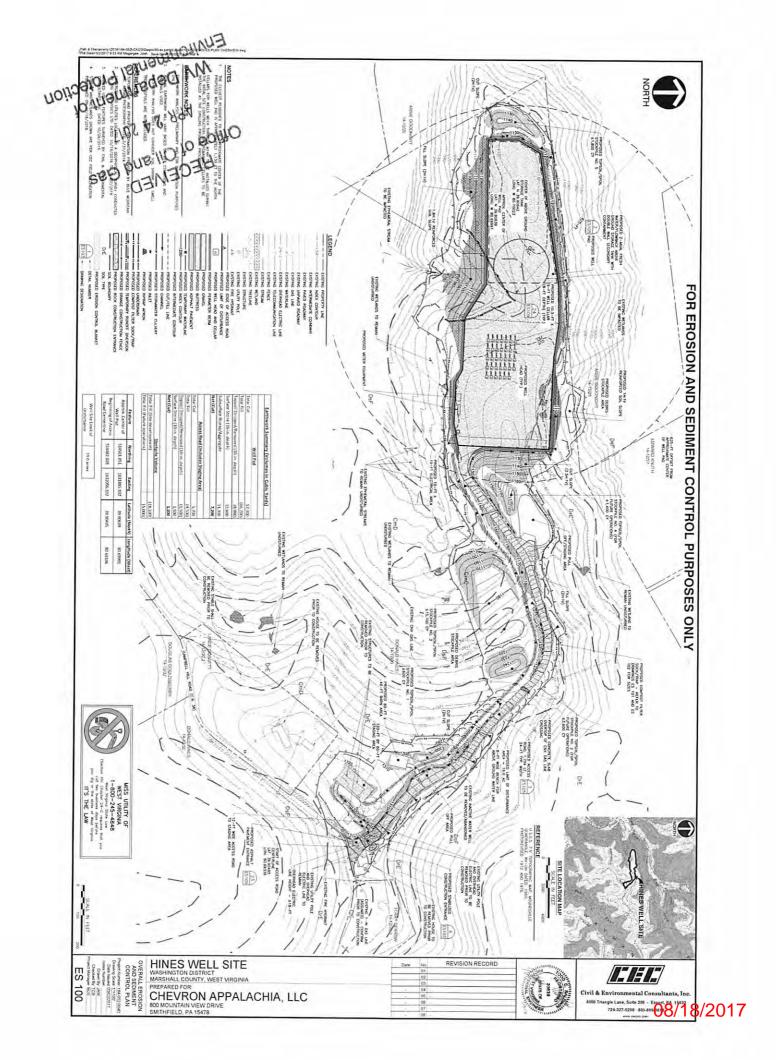


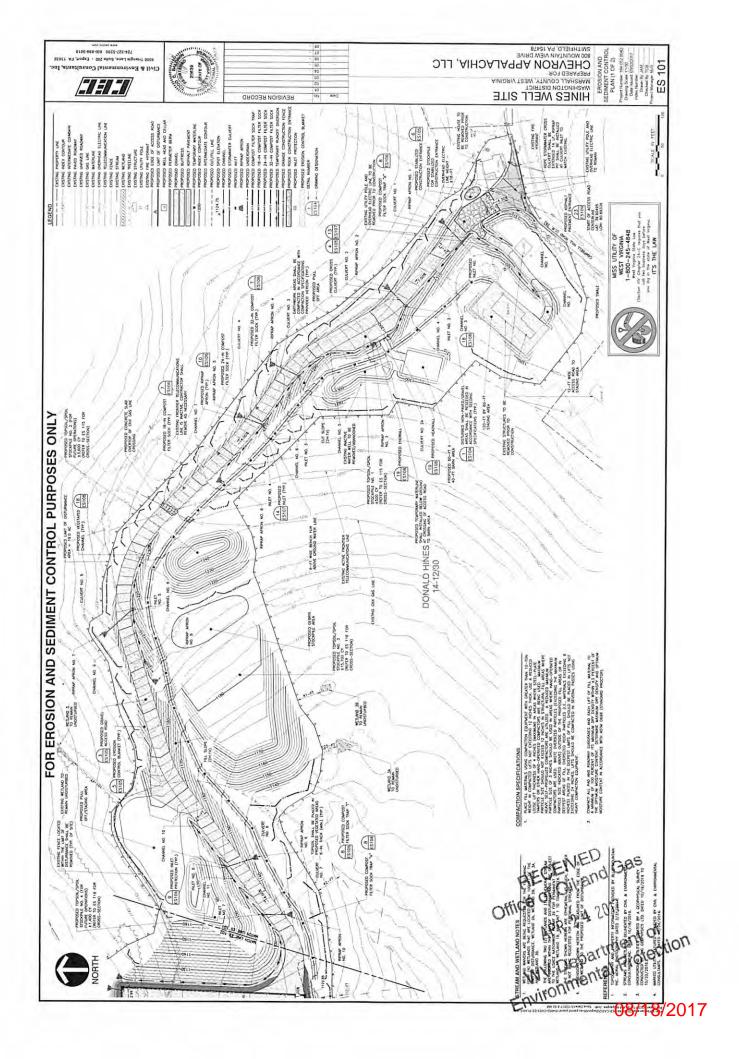
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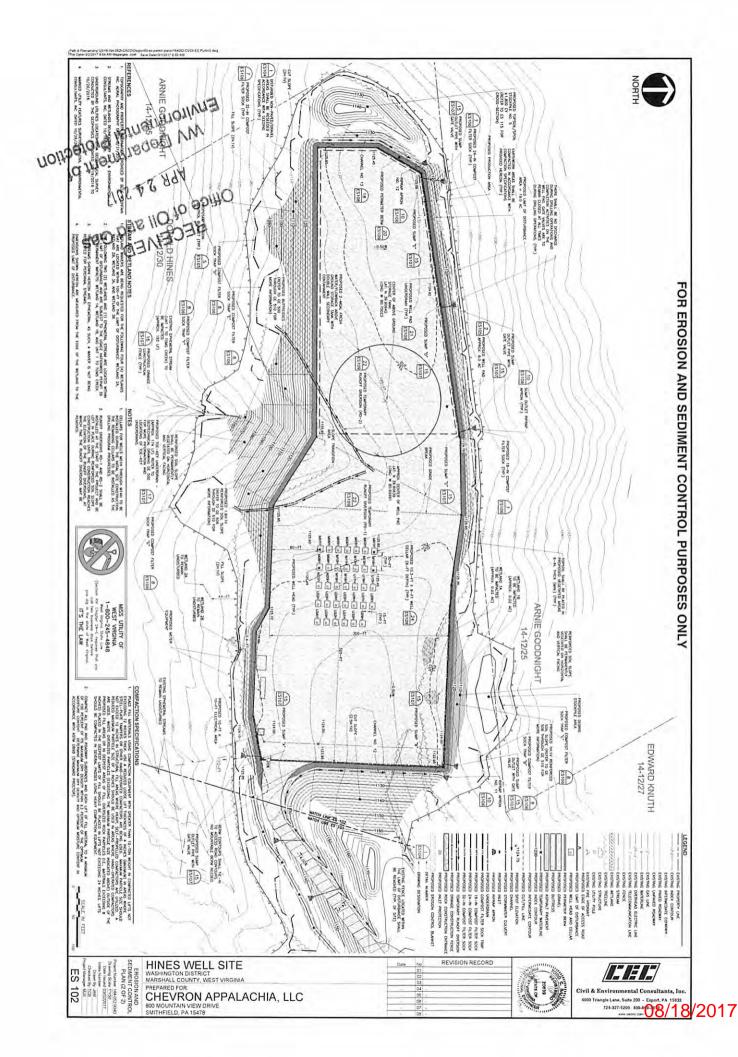
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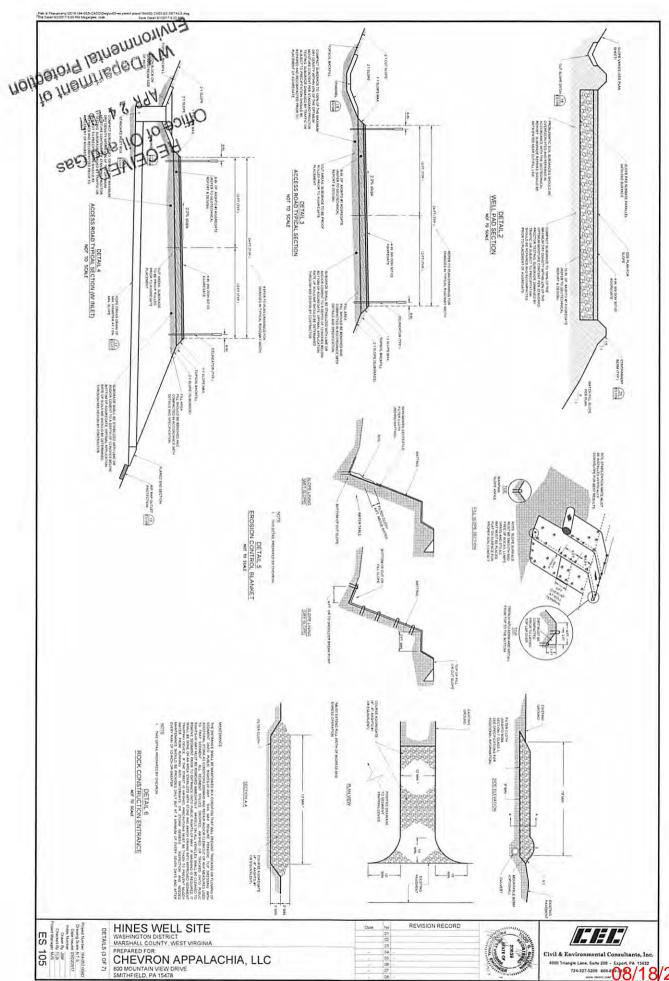


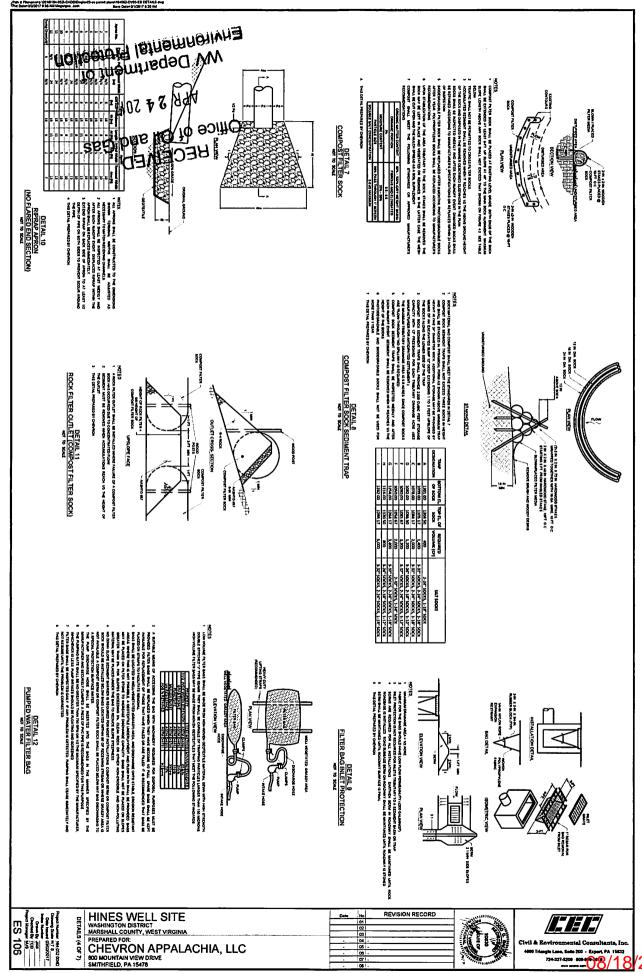
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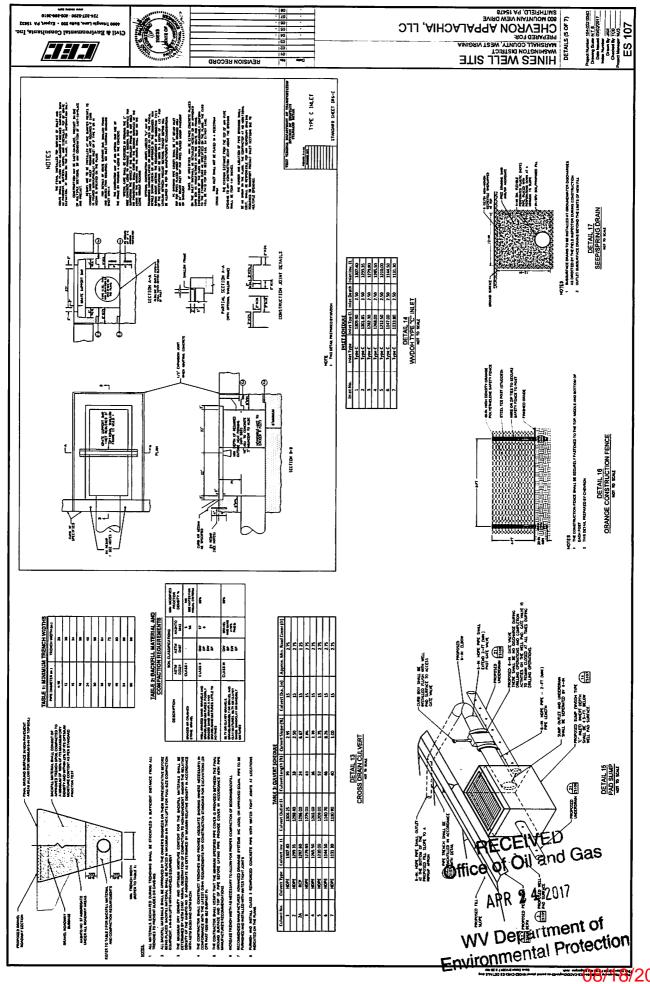
WV Department of Environmental Protection

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REVISION RECORD

HINES WELL SITE

SMITHFIELD, PA 19478

CHEVRON APPALACHIA, LLC

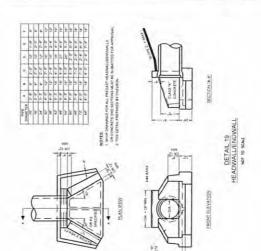
CHEVRON APPALACHIA, LLC

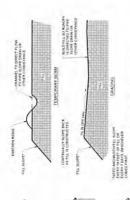
SMITHFIELD, PA 19478

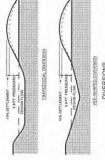
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SMITHFIELD, PA 19478

SMITHFIELD, PA 19478



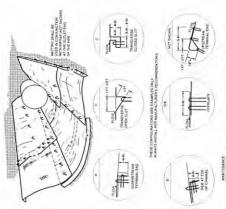




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FOR SEDMENT DEPOSITS, CONSTRUCTIONS AND BLOI	DKAGES REMOVE AN
BLOCKAGE MAKEDATELY DAMAGES CAUSED BY CONST	PROCTION ACTIVITIES O
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DUTLET, OR POINTS OF SEDARBIT DEPOSITION, MAY NE	EDED REPARES SHALL B
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4	99	2.0	2.0	2	100	1.5	2	-
2	141	2.0	140	2	10	1.5	1	r
9	100	14.0	140	3		1.5	2	-
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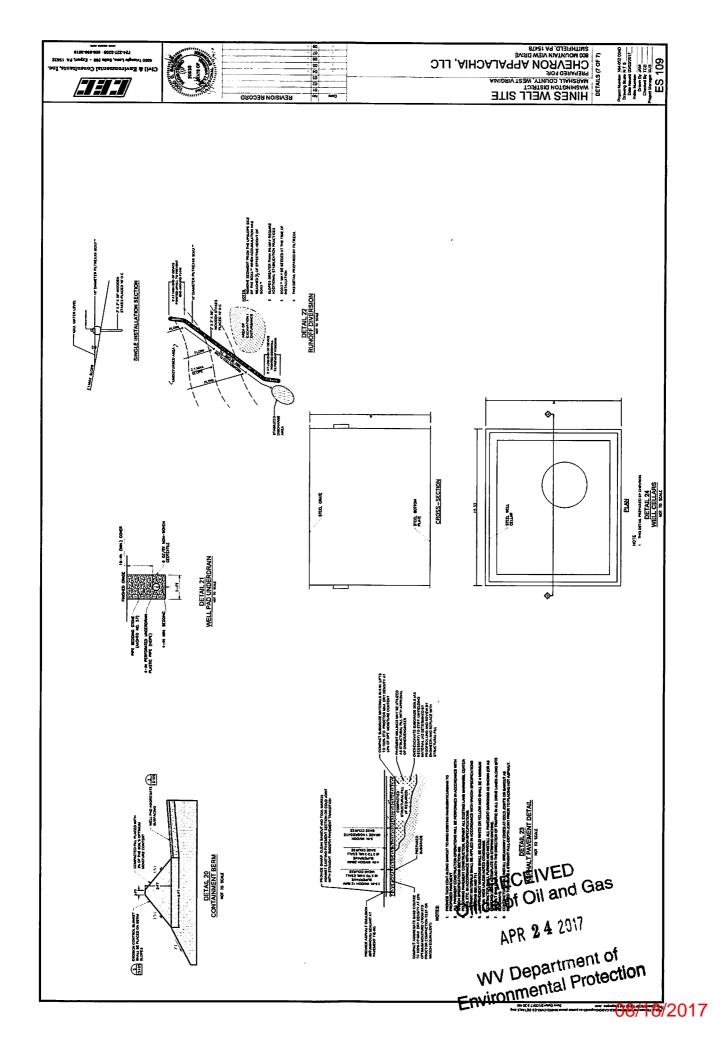
HEARIGH		NNEL	
THE DETAIL PREPARED BY C	DETAIL 18	VEGETATED CHA	ANDE OF TOM







WV Department of Environmental Protection



# ATTACHMENT D USACE NATIONWIDE PERMIT 39 APPLICATION

RECEIVED
Office of Oil and Gas
APR 24 2017

WV Department of Environmental Protection 08/18/2017

### U.S. ARMY CORPS OF ENGINEERS APPLICATION FOR DEPARTMENT OF THE ARMY PERMIT

33 CFR 325. The proponent agency is CECW-CO-R.

Form Approved -OMB No. 0710-0003 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 falling to comply with a collection of Information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to either of those addresses. Completed applications must be submitted to the District Engineer having jurisdiction over the location of the proposed activity.

#### PRIVACY ACT STATEMENT

Authorities: Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section 103, 33 USC 1413; Regulatory Programs of the Corps of Engineers; Final Rule 33 CFR 320-332. Principal Purpose: Information provided on this form will be used in evaluating the application for a permit. Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public and may be made available as part of a public notice as required by Federal law. Submission of requested information is voluntary, however, if information is not provided the permit application cannot be evaluated nor can a permit be issued. One set sample 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

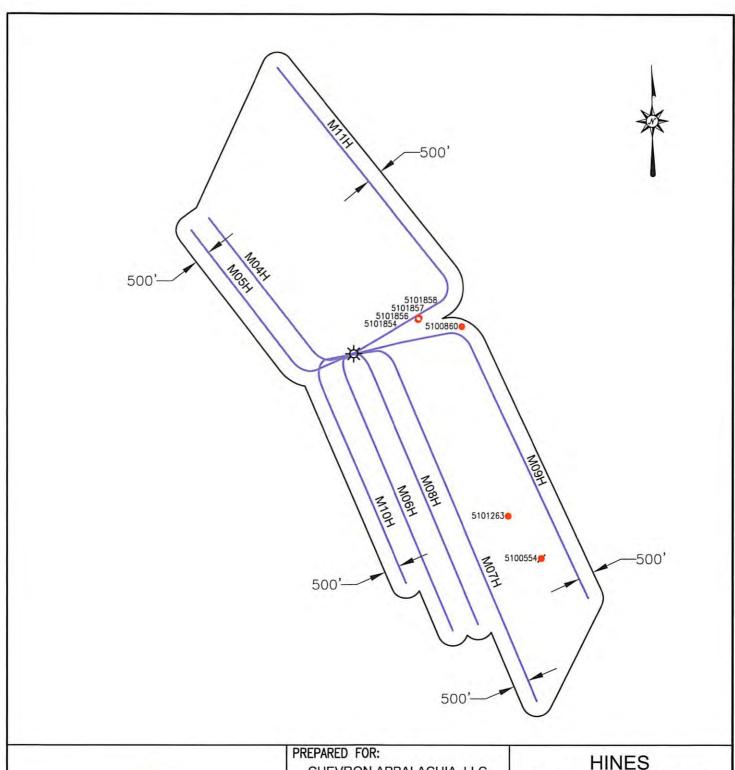
	(ITEMS 1 THRU 4 TO I	BE FILLED BY THE CORPS)	)	
1. APPLICATION NO.	2. FIELD OFFICE CODE	3. DATE RECEIVED	4. DA	TE APPLICATION COMPLETE
5. APPLICANT'S NAME	(ITEMS BELOW TO E	BE FILLED BY APPLICANT)		
		8. AUTHORIZED AGENT	<b>PS NAME AND TITI</b>	LE (agent is not required)
First - Jenny Middle -	Last - Hayes	First - Katie	Middle - L	Last - Moberg
Company - Chevron Appalachia, L		Company - Civil & Env	vironmental Cons	_
E-mail Address - jhayes@chevron.co	om	E-mall Address - kmober		
6. APPLICANT'S ADDRESS:		9. AGENT'S ADDRESS:		
Address- 800 Mountain View Driv	ve	Address- 4000 Triangle	e Lane, Suite 200	
City - Smithfield State - PA	15410 County - 03	City - Export	State - PA	Zip - 15632 Country - US
7. APPLICANT'S PHONE NOs. WARE	EA CODE	10. AGENTS PHONE NO		
a. Residence b. Business		1	b. Business	c. Fax
724-564-37	12. 20, 20,7		724-327-5200	724-327-5280
	STATEMENT O	OF AUTHORIZATION		
11. I hereby authorize, CEC supplemental information in support of t	C, Inc. to act in my behalf a	as my agent in the processing	of this application a	and to furnish, upon request,
	OM NIN H			
	SIGNATURE OF APPLI	ICANT DAT	<u>4.17</u>	
	U		5	
	NAME, LOCATION, AND DESCR	RIPTION OF PROJECT OR A	CTIVITY	
12. PROJECT NAME OR TITLE (see in	nstructions)			
Hines Well Pad		•	-0	
13. NAME OF WATERBODY, IF KNOV		14. PROJECT STREET A	DDRASGIPS Dolical	hiai
Refer to Waters Impact Summary 7	Sable in Attachment D	14. PROJECT STREET AL	Road	ncy
15. LOCATION OF PROJECT	A	- Office	1017	
	Longitude: •W -80.697938	City - Moundsville R 2	State- W	• •
16. OTHER LOCATION DESCRIPTION	•	~ ~ ~ ~ ~	artment of wartment of wartmen	าก
State Tax Parcel ID	Municipality	MA Deh.	atal Protection	,
Section - Town	nship - Washington District	Bangaronalsha	artment or ntal Protection all County	

17. DIRECTIONS TO THE SITE From I-470 W, take Exit 2 toward Bethele Blvd/W Bethlehem Blvd. Drive 2.2 miles	them Drive 0.2 mile, and turn left onto Co	Hwy 91/1. Drive 0.4 mile, and continue onto 29th St again onto Roberts Ridge Road. Drive 0.1 mile, and
turn right onto WV-88 S/Ridgecrest Road Road/Waymans Ridge Road. Drive 2.2 m will be on the right.	Drive 8.2 miles and turn left onto US-25 iles, and turn slight right onto Campbell H	t again onto Roberts Ridge Road. Drive 0.1 mile, and 0 S. Drive 2 miles, and turn right onto Campbell Hill ill Road. Drive 0.2 mile, and the entrance to the site
18. Nature of Activity (Description of project, in	oludo ell Cartura	
Chevron Appalachia, LLC is proposing to disturbance is approximately 19 acres and	COMMITTED IN THE COMMIT	ssociated access road. The proposed limit of ed hillslopes. The construction of the well pad will 192 linear feet of an ephemeral stream.
19. Project Purpose (Describe the reason or pur The purpose of the project is to construct a	roose of the project, see Instructions) natural gas well pad and access road.	
USE BLOCKS	20-23 IF DREDGED AND/OR FILL MATERIAL	IS TO BE DISCUARGED
20. Reason(s) for Discharge The construction of the facility will require	the placement of fill	amed tributary (UNT) to Toms Run and one PEM ociated with grading activities for construction of the
11. Type(s) of Material Being Discharged and the Type	Amount of Each Type in Cubic Yards:	
Amount in Cubic Yards	Type Amount in Cubic Yards	Type Amount in Cubic Yards
30 CY of earthen material into wetlands	500 CY of earthen material into streams	
2. Surface Area in Acres of Wellands or Other W	/aters Filled (see instructions)	BECEIVED
Acres 0.026 acre of PEM wetlands		Office of Oil and Gas
inear Feet 192 linear feet of stream		RECEIVED  RECEIVED ffice of Oil and Gas  RECEIVED ffice of Oil and Gas  APR 24 2017  Office of Oil and APR 24 2017
3. Description of Avoidance, Minimization, and Chevron analyzed numerous on-site configuration inimizes impacts to the furthest extent pracouthern side of the well pad to limit the impacts and orange construction fencing will be	rations for the siting of the facility, and the	proposed size plan represents the layout sphistoctic pose and need. Grant size the layout sphistoctic pacts to Wenness A and 25. Compost filter sock of the hipacted speaking to avoid additional impacts.
IG FORM 424E DEC 2044		Elia

08/plg/z-p

24. Is Any Portion o	of the Work Already Comple	te? Yes No IF	YES, DESCRIBE THE CO	MPLETED WORK	
25. Addresses of Adje	pining Property Owners, Le	SSRRS Fic Mass Propo	de Autoto de la companya		
a. Address- Hines D	onald ET UX - 301 4TH	I Street	ny Adjoins the Waterbody (	if more than can be entered here, pleas	a altach a supplemental (et)
City - Glen Dale		State - West Vi			
b. Address- Gossett 1	_ance J ET UX - RD   E		rginia Zip - 2	26038	
City - Moundsville					
	La 4 - 21 mm and	State - West Vit	rginia Zip - 2	6041	
	ht Amie N ET UX - RD	1 BOX 437			
Olty - Moundsville		State - West Vi	rginia Zip - 2	6041	
. Address-					
City -		State -	Zip -		
. Address-		·			
City -		State -	Zip -		
i. List of Other Certific	ales or Approvals/Denials re	eceived from other Federa	al, State, or Local Agencies	for Work Described in This A	nlication
AGENCT	TYPE APPROVAL*	IDENTIFICATION NUMBER	DATE APPLIED	DATE APPROVED	DATE DENIED
VDNR OLS	Right of Entry	Not yet assigned	January 2017	Pending	
VDEP	Special Condition A	Not yet assigned	January 2017	Pending	
VDEP VDEP			January 2017	Pending	
	Wetland Waiver	Not yet assigned	January 2017	Pending	
Application is beauty	t restricted to zoning, building	ng, and flood plain permits	<b>.</b>		
nplete and accurate. I	made for permit or permits further certify that I posses	to authorize the work des s the authority to undertal	cribed in this application. It to the work described herei	certify that this information in n or am acting as the duly au	this application is horized agent of the
SIGNATURE	OF APPLICAÇIT	1.24.17	SIGNAT	W Katie Mobers TURE OF AGENT	/-24-17 DATE
e Application must be thorized agent if the	e signed by the person v statement in block 11 ha	vho desires to undertal is been filled out and si		(applicant) or it may be sig	ned by a duly
U.S.C. Section 1001 wingly and willfully to adulent statements of	provides that: Whoever alsifies, conceals, or cov	, in any manner within vers up any trick, schen	the jurisdiction of any de ne, or disguises a mater	eparlment or agency of the lal fact or makes any false	United States
FORM 4345. DEC 20		t more than \$10,000 or	imprisoned not more th	an five years or both.	

08/1<mark>8/20</mark>1





10125 MASON DIXON HIGHWAY BURTON, WV 26562 PHONE: (304) 662-6486 CHEVRON APPALACHIA, LLC 800 MOUNTAIN VIEW DRIVE SMITHFIELD, PA 15478

**LEGEND** 

- ACTIVE WELL

PLUGGED WELL

PERMITTED WELL

HINES
AREA OF REVIEW MAP
MARSHALL COUNTY
WASHINGTON DISTRICT
WEST VIRGINIA

TOPO QUAD: MOUNDSVILLE, WV

SCALE: 1" = 3000' DATE: MARCH 2, 2017 WW-6B (04/15)

API NO. 47	
OPERATOR WELL NO.	Hines M06H
Well Pad Name: Hines	

# STATE OF WEST VIRGINIA OFFICE OF OIL AND GAS WELL WORK PERMIT APPLICATION

	hours A-	nalachic		49449935	B 4 = 1		Machine	Manuala :: 11 - 100 / -
1) Well Operator: C	nevion Ap	palachia,	LLC		Marsh D County			Moundsville, WV
	. 11%	MOOL!		Operator II	•	•	District	Quadrangle
2) Operator's Well N	umber: Hir	ies iviu6H		We	Il Pad Name:	Hines		
3) Farm Name/Surfac	ce Owner:	Donald Hines an	nd Wanda	L. Hines Publi	c Road Acces	s: Rout	te 38/Can	pbell Hill Road
4) Elevation, current	ground:	1125'	El	evation, prop	osed post-con	structio	n: 1125'	
5) Well Type (a) G Other		(	Oil		Underground	l Storage	e	
(b)If		llow X		Dee	р			
6) Existing Pad: Yes	or No <u>No</u>							JN 3/26/17
7) Proposed Target Foundation Marcellus, 6260' GI		-	Antic	ipated Thicki	ness and Expe	ected Pre	essure(s):	<i>,</i>
8) Proposed Total Ve	rtical Depth	n: <u>6260</u>						
9) Formation at Total	Vertical D	epth: Mai	rcellus	; 				
10) Proposed Total M	leasured De	epth: 156	526					
11) Proposed Horizon	ntal Leg Lei	ngth: 902	26	<u> </u>				
12) Approximate Free	sh Water St	rata Depth:	s:	360' GL	= <del></del> -			
13) Method to Detern	nine Fresh	Water Dept	ths: 1	.5 mi radius d	offset wells, fre	shwater	wells, and	freshwater base level
14) Approximate Salt	water Dept	hs: 840',	1620',	and 1961' G	<u> </u>	·		
15) Approximate Coa	ıl Seam Dej	oths: 360'	and 6	35' GL				
16) Approximate Dep	oth to Possil	ble Void (c	oal mi	ne, karst, oth	er): NA - sol	id coal	anticipate	ed
17) Does Proposed w directly overlying or				ns Yes	<	No		
(a) If Yes, provide M	Mine Info:	Name:	Irelan	d Mine				
		Depth:	635'	GL				RECEIVED
		Seam:	Pittsb	urgh Coal			Of	RECEIVED fice of Oil and Ga
		Owner:	Murra	ay Energy C	orporation	-		APR 2 4 7017
								~! T & 4 7017

WV Department of Environmental Protection

Page 1 of 3 08/18/2017

WW-6E	ţ
(04/15)	

API NO. 47	
OPERATOR WELL NO.	Hines M06H
Well Pad Name: Hines	

						Well Pad Na	me: Hines
18)			CAS	SING AND TUB	ING PROGRAM	470510	1929
ТҮРЕ	Size (in)	New or Used	<u>Grade</u>	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	20	New			60	60	CTS
Fresh Water	13.375	New	J-55	54.5	410	410	CTS
Coal							
Intermediate	9.625	New	L-80	40	1,858	1,858	CTS
Production	5.50	New	P110	20	15,626	15,626	2,358
Tubing							
Liners							

JN 3/26/17

ТҮРЕ	Size (in)	Wellbore Diameter (in)	<u>Wall</u> <u>Thickness</u> (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	20	26					
Fresh Water	13.375	17.5	0.38	2730	1911	Class A	1.2
Coal							
Intermediate	9.625	12.375 & 12.25	0.395	5750	2768	Class A	1.19
Production	5.5	8.75 & 8.5	0.361	14360	9975	Class A, G, or H	1.25
Tubing							-
Liners							

# **PACKERS**

Kind:	
Sizes:	Office of Oil and Gas
Depths Set:	APR 2 4 2017

WW-6B	
(10/14)	

API NO. 47		
<b>OPERATOR WELL</b>	NO.	Hines M06H
Well Pad Name:	Hines	
		_

JN 3/26/17

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 6,260 feet. Drill horizontal leg.

470510167

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

18,762 bbl fluid - 1,000,000 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): 19.0
- 22) Area to be disturbed for well pad only, less access road (acres): 10.3
- 23) Describe centralizer placement for each casing string:

Surface: (1) on shoe track w/ stop collar & (1) per jt over coupling to surface; Intermediate: (1) on shoe track w/ stop collar & (1) per 3 jts over coupling; Production String: (1) centralizer every jt in the lateral and curve & (1) every other joint from KOP 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 intermediate will contain class A cement, 3% CaCl2, 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.

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 multiple are achieved.

Office of Oil and Gas

APR 24 2017

WV Department of Environmental Protection

\*Note: Attach additional sheets as needed.

470510+---

RECEIVED
Office of Oil and Gas

APR 2 4 2017

			Hines	Pad Area of Review	Review			/2017
Well ID	Prior Operator On Record	Operator - DEP	Status	Latitude	Longitude	Vertical TD	Producing Formation	Producing 20nes NOT Perforated
47-051-00860	CNX Gas Company LLC	CNX Gas Company LLC	Active	39.908767	-80.686817	840'	Pittsburgh Seam	None 8
47-051-01263	Chevron Appalachia, LLC	Chevron Appalachia, LLC	Active	39.892007	-80.681121	Unknown	Unknown	None
47-051-00554	Kentucky Central & Co.	Unknown	Plugged	39.888303	-80.677210	1441'	Pottsville	None
47-051-01854	Chevron Appalachia, LLC	Chevron Appalachia, LLC	Permitted	39.909336	-80.691893	6317	Marcellus	None
47-051-01856	Chevron Appalachia, LLC	Chevron Appalachia, LLC	Permitted	39.909383	-80.691856	6317'	Marcellus	None
47-051-01857	Chevron Appalachia, LLC	Chevron Appalachia, LLC	Permitted	39.909430	-80.691819	6317'	Marcellus	None
47-051-01858	Chevron Appalachia, LLC	Chevron Appalachia, LLC	Permitted	39.909477	-80.691782	6317'	Marcellus	None

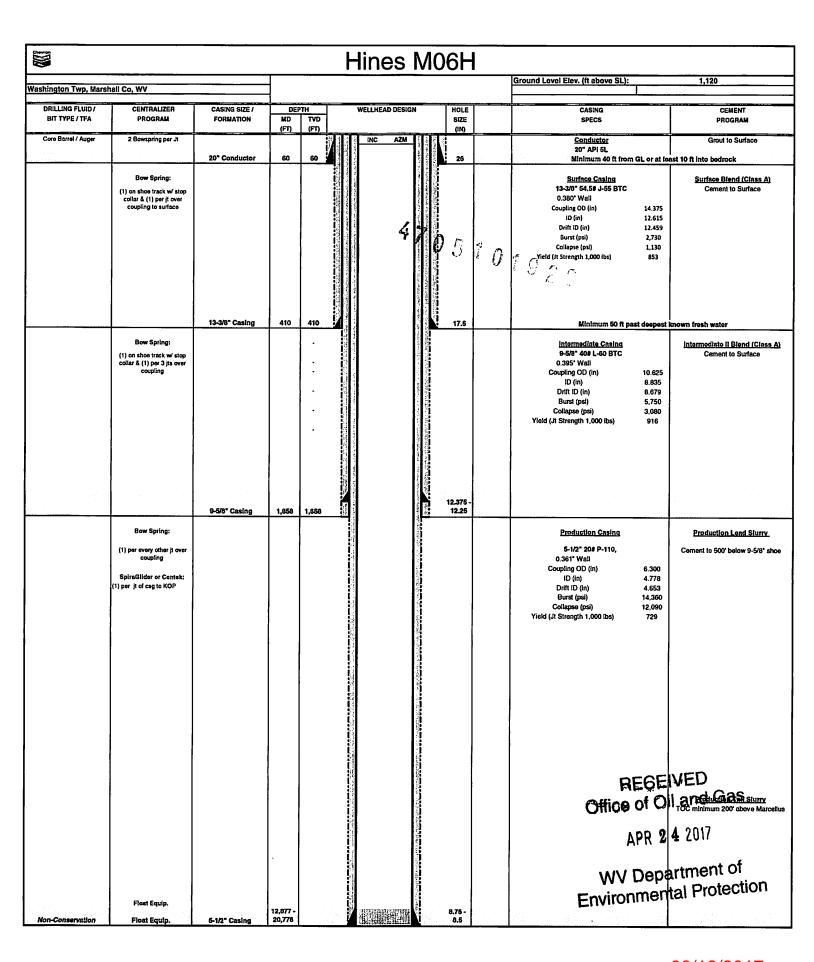
# **HINES PAD CEMENT ADDITIVES**

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

4705707020

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Office of Oil and Gas

APR 24 2017



API Number 47 -	
Operator's Well No. I	Hines M06H

# 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) Middle Grave Creek - Grave Creek Quadrangle Moundsville, WV 7.5'	
Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes	No No
Will a pit be used? 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 Wastes:	
Land Application (if selected provide a completed form WW-9-GPP)	
Underground Injection ( UIC Permit Number	)
Reuse (at API Number at next anticipated well  Off Site Disposal (Supply form WW-9 for disposal location)	)
Other (Explain	
	<del></del>
Will closed loop systembe used? If so, describe: Yes, we will be utilizing multiple open/closed top tanks	
Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Air to	KOP, SBM 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	1000
-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust)	1929
-Landfill or offsite name/permit number? Arden Landfill #100172, South Hills Landfill #100592, Short C	reek Landfill #WW0109517
Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associately the Striginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee it was properly disposed.	ated waste rejected at any nittee shall also disclose
I certify that I understand and agree to the terms and conditions of the GENERAL. WATER POON April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Prot provisions of the permit are enforceable by law. Violations of any term or condition of the general permit or regulation can lead to enforcement action.  I certify under penalty of law that I have personally examined and am familiar with the in application form and all attachments thereto and that, based on my inquiry of those individuals immediate the information, I believe that the information is true, accurate, and complete. I am aware that there submitting false information, including the possibility of fine or imprisonment.	ection. I understand that the it and/or other applicable law formation submitted on this ely responsible for obtaining
Company Official Signature	REGEIVED
Company Official (Typed Name) Jenny Hayes	Office of Oil and Gas
Company Official Title Permitting Team Lead	APR 2 4 2017
Kristen Broads Notary Public Sont 2 2018	WV Department of COMMONWEALTH OF PRINTS OF LOANING ENVIRONMENT OF PRINTS OF LOANING ENVIRONMENT OF MATERIES OF LOANING OF MOTARIES

	T-100 J T - T - T -	44.6		
Proposed Revegetation Tre				pH Per soils testing report
Lime 3	Tons/acre or to co	rrect to pH unless otherwise n	oted in soils report	
Fertilizer type 10	)-20-20			
Fertilizer amount	300	lbs/acre		
Mulch 3, 5 for	winter stabilization	Tons/acre		
			470	5101975
		Seed Mixtures		
1	Гетрогагу		Perm	anent
Seed Type	lbs/acre		Seed Type	lbs/acre
see attached		see a	ttached	
			*	
L, W), and area in acres, o	of the land application area	a.	nclude dimensions (L	., W, D) of the pit, and dimension
Photocopied section of inv	olved 7.5' topographic she	eet.		
1	(1)			
Plan Approved by:	utulola	_		
Comments:				
				<del>-</del>
				RECEIVED Office of Oil and G
Title: 0-/+ Gas	lusocator	Date:	1 1	
Field Reviewed?			3/27/17	APR 2 4 2017

# WV Department of Environmental Protection

7105 \$ 4 2017

Office of Oil and Gas

0761019029

			ų	Red Ton			
20	Ladino Clover		18	Birdsfoot - Trefoil			
20	Birdsfoot - Trefoil		18	Ladino Clover			
80	Timothy		33	Perennial Ryegrass			
80	Orchard Grass		100	Tall Fescue	75		Winter Wheat
	Hayfield, Pastureland, and Cropland	and		Non Agricultural Upland	50	or	Annual Ryegrass
lbs/acre	Seed Type		lbs/acre	Seed Type	lbs/acre		Seed Type
	<u>Permanent</u>		nt	Permanent		Temporary	Tem
		S	SEED MIXTURES	SEED			



# Chevron

Appalachian LLC WV Well Site Safety Plan

Pad: Hines Pad A Well # M09H

JN 3/26/17

1256 Campbell Hill Road Moundsville, WV 26041 Washington District Marshall County, WV

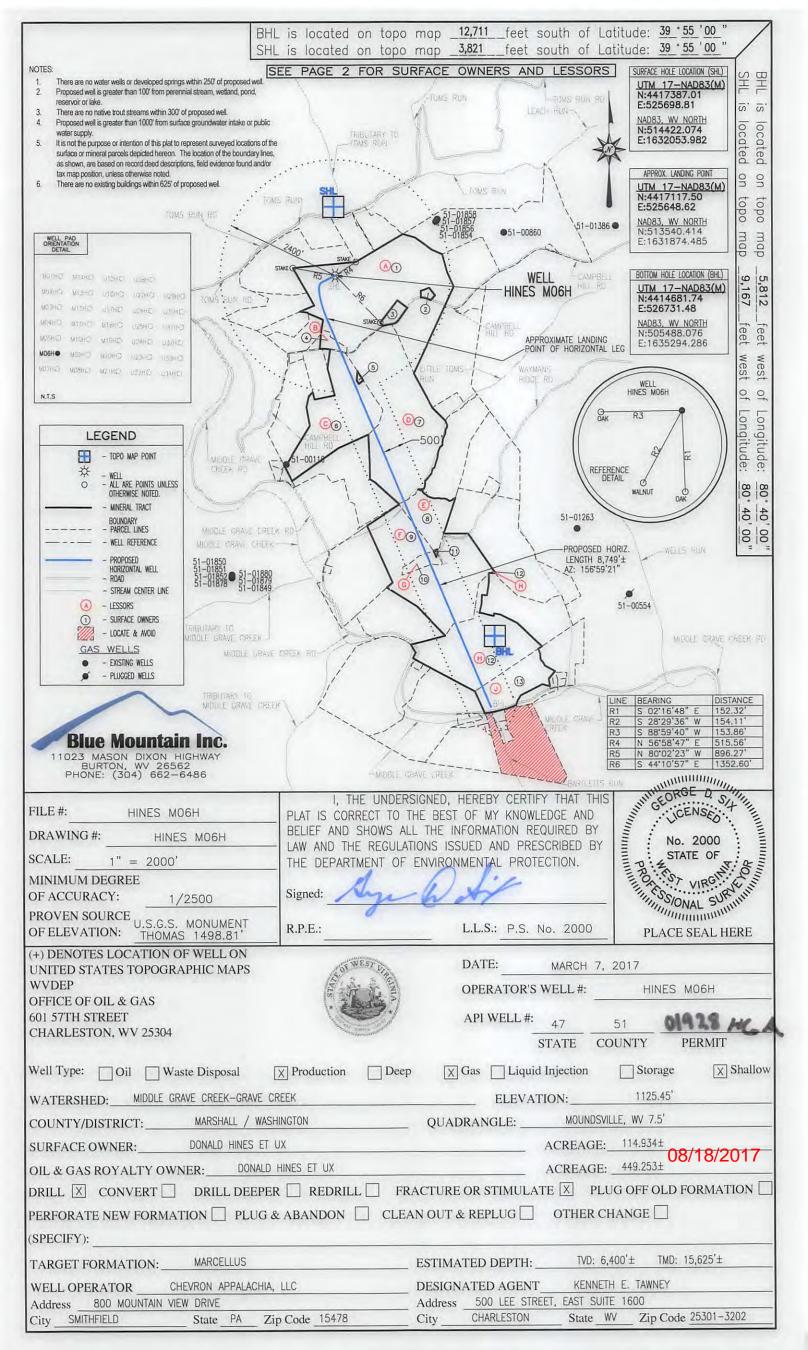
Access Point – [39.904947°N, 80.693363°W] Well Site – [39.906387°N, 80.699914°W] Marshall County, West Virginia

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Office of Oil and Gas

APR 2 4 2017

WV Department of Environmental Protection

08/18/2017



# HINES **M06H** PAGE 2 OF 2

	LESSOR	DIST-TM/PAR
Α	DONALD HINES ET UX	14-12/30
В	GIBBS DAVIDSON ET UX	14-12/30.4
C	SHANNETTE OMEAR	14-12/33
	SANDRA K. FULLER	
	DOUGLAS L. PARSONS	
	DONALD M. BOSTON ET UX	
	DAVID D. PARSONS ET UX	
	JAMES CRAIG PARSONS	
	ROBERT B. FULLER TEST TRUSTEE	
	GRACE I. SCARBOROUGH	
D	DOUGLAS EDWARD GOULDSBERRY ET UX	14-12/32
E	TODD R. KETTLER ET UX	14-13/3
F	TODD R. KETTLER ET UX	14-13/2
G	KEVIN J. BROWN	14-13/2.1
Н	RICHARD F. VARGO ET UX	14-13/21.1
J	ROBERT W. COFFIELD ET UX	14-13/18

	SURFACE OWNER	DIST-TM/PAR
1	DONALD HINES ET UX	14-12/30
2	TERRY L. DERROW ET UX	14-12/30.3
3	CHEVRON U.S.A. INC.	14-12/30.2
4	CHEVRON U.S.A. INC.	14-12/30.4
5	ROBERT B. FULLER ET UX	14-12/33.1
6	HENRY T. PARSONS EST ET AL	14-12/33
7	DOUGLAS EDWARD GOULDSBERRY ET UX	14-12/32
В	TODD R. & DAWN R. KETTLER	14-13/3
9	TODD & DAWN R. KETTLER	14-13/2
10	TODD R. & DAWN R. KETTLER	14-13/2.1
11	TODD R. & DAWN R. KETTLER	14-13/3.1
12		14-13/21.1
13	R. M. COFFIELD FAMILY TRUST	14-13/18

SURFACE HOLE LOCATION (SHL)

UTM 17—NADB3(M)
N:4417387.01
E:525698.81

NAD83, WV NORTH N:514422.074 E:1632053.982

APPROX. LANDING POINT UTM 17-NAD83(M) N:4417117.50 E:525648.62

NAD83, WV NORTH N:513540.414 E:1631874.485

BOTTOM HOLE LOCATION (BHL)

UTM 17-NAD83(M) N:4414681.74 E:526731.48

NAD83, WV NORTH N:505488.076 E:1635294.286

08/18/2017



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

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

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

Lease Name or Number

Grantor, Lessor, etc.

Grantee, Lessee, etc.

Royalty

Book/Page

see attached

4705101920

# 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

By:

- 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 nearly the control of the appropriate authority before the affected activity is nearly the control of the appropriate authority before the affected activity is nearly the control of the appropriate authority before the affected activity is nearly the control of the appropriate authority before the affected activity is nearly the control of the appropriate authority before the affected activity is nearly the control of the appropriate authority before the affected activity is nearly the control of the appropriate authority before the affected activity is nearly the control of the appropriate authority before the affected activity is nearly the control of the appropriate authority before the affected activity is nearly the control of the

> Office of Oil and Gas Well Operator: Chevron Appalachia, LLC

Its:

Permitting Team Lead

WV Department of Environmental Protection Page 1 of

APR 2 4 2017

14-0013-0018-0000-0000	14-0013-0021-0001-0000	14-0013-0002-0001-0000	14-0013-0002-0000-0000	14-0013-0003-0000-0000	14-0012-0032-0000-0000				11.0017.0000.0000	14-0013-0033-0000-0000				14-0012-0030-0004-0000	14-0012-0030-0000-0000	Plat ID	
COFFIELD ROBERT W ET UX	VARGO RICHARD F ET UX	BROWN KEVIN J	KETTLER TODD R ET UX	KETTLER TODD R ET UX	GOULDSBERRY DOUGLAS EDWARD ET UX	SCARBOROUGH GRACE L	FULLER ROBERT B TEST TRSTE	PARSONS JAMES CRAIG	PARSONS DAVID D ET UX	BOSTON DONALD M ET UX	PARSONS DOUGLAS L	FULLER SANDRA K	OMEAR SHANNETTE	DAVIDSON GIBBS ET UX	HINES DONALD ET UX	Lessor	
CHEVRON U.S.A. INC.	TH EXPLORATION, LLC	CHEVRON U.S.A. INC.	CHEVRON U.S.A. INC.	CHEVRON U.S.A. INC.	PROFESSIONAL LAND RESOURCES, LLC	CHEVRON U.S.A. INC.	CHEVRON U.S.A. INC.	CHEVRON U.S.A. INC.	CHEVRON U.S.A. INC.	CHEVRON U.S.A. INC.	CHEVRON U.S.A. INC.	CHEVRON U.S.A. INC.	CHEVRON U.S.A. INC.	CHEVRON U.S.A. INC.	CHEVRON U.S.A. INC.	Lessee	
0.180	0.180	0.140	0.180	0.180	0.150	0.180	0.180	0.180	0.180	0.180	0.180	0.180	0.180	0.160	0.160	Royalty	HINES MO
863/305	866/315	805/277	868/78	868/78	683/136 & 748/88	864/20	837/187	837/177	837/172	837/287	837/279	837/182	837/297	774/283	774/290	Book/Page	M06H
U.S.A. INC. N/A	36/168 TH EXPLORATION, LLC to CHEVRON	N/A	N/A	N/A	21/645 PROFESSIONAL LAND RESOURCES, LLC to HANNON & ASSOCIATES, INC.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Assignment #1	
N/A	N/A	N/A	N/A	N/A	24/170 HANNON &ASSOCIATES, INC to NPAR, LLC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	UNA	NA O NA	Assignment #2	
N/A	N/A	N/A	N/A	N/A	756/332 NPAR, LLC to CHEVRON U.S.A. INC.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	O N/A	8/1 N/A	Assignment #3	2017



April 12, 2017

West Virginia D.E.P. Office of Oil & Gas 601 57<sup>th</sup> Street SE Charleston, WV 25304-2345 4705101928

RE: Hines 4H, 5H, 6H, 7H, 8H, 9H, 10H, 11H

To whom it may concern,

This letter shall serve as confirmation of Chevron U.S.A. Inc.'s right to access the minerals under all roads traversed by the above referenced laterals. Please do not hesitate to contact myself, the undersigned, for any additional questions or to request further information.

Sincerely,

Kelly Bass

Land Representative

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Office of Oil and Gas

APR 24 2017

Data of Nation Contification, 04/12/2017

# STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE CERTIFICATION 0 5 1 0 1 9 2 3

Date of Hotic	e Certification: 04/15/2017	API No.	4/	
		Operato	r's Well No. Hine	s M06H
		Well Pa	d Name: Hines	
Notice has b	peen given:			
		22-6A, the Operator has provided the	required parties v	with the Notice Forms listed
below for the	tract of land as follows:		I	
State:	West Virginia	Easting:	525698.81	
County:	Marshall	UTM NAD 83 Pasting.	4417387.01	
District:	Washington	Public Road Access:	Route 38/Campb	pell Hill Road
Quadrangle:	Moundsville, WV 7.5'	Generally used farm name	Hines	
Watershed:	Middle Grave Creek - Grave Creek	<u> </u>		
it has provide information re of giving the requirements Virginia Code	ed the owners of the surface described and (c), see surface owner notice of entry to surface owner in surface owner notice of entry to surface owner notice of subsection (b), section sixteen or	hall contain the following information: bed in subdivisions (1), (2) and (4), substitution sixteen of this article; (ii) that the prively pursuant to subsection (a), section of this article were waived in writing be the ender proof of and certify to the secretant.	ubsection (b), see requirement was n ten of this arti by the surface ov	ction ten of this article, the deemed satisfied as a result icle six-a; or (iii) the notice wner; and Pursuant to West
that the Oper	West Virginia Code § 22-6A, the Oprator has properly served the require ECK ALL THAT APPLY	erator has attached proof to this Notice d parties with the following:	Certification	OOG OFFICE USE ONLY
☐ 1. NOT	TICE OF SEISMIC ACTIVITY or	■ NOTICE NOT REQUIRED BEC SEISMIC ACTIVITY WAS CONDU		☐ RECEIVED/ NOT REQUIRED
☐ 2. NOT	TICE OF ENTRY FOR PLAT SURV	YEY or   NO PLAT SURVEY WAS	CONDUCTED	□ RECEIVED
■ 3. NO1	TICE OF INTENT TO DRILL or	NOTICE NOT REQUIRED BECONDTICE OF ENTRY FOR PLAT SURVING WAS CONDUCTED OF		☐ RECEIVED/ NOT REQUIRED
		☐ WRITTEN WAIVER BY SURF (PLEASE ATTACH)	ACE OWNER	
■ 4. NO1	TICE OF PLANNED OPERATION			☐ RECEIVED
■ 5. PUB	BLIC NOTICE			□ RECEIVED
■ 6. NOT	TICE OF APPLICATION		Off	RECEIVED ce of Oil and Gas

Required Attachments:

APR 24 2017

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 first 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:

Well Operator: Chevron Appalachia, LLC

By:

Permitting Team Lead

Smithfield, PA 15478

800 Mountain View Drive

Telephone: 724-564-3755

Facsimile: 724-564-3894

Email:

Address:

# COMMONWEADTH POFS PENNSYLVANIA

NOTARIAL SEAL
Kristen Brooks, Notary Public
Smithfield Boro, Fayette County
My Commission Expires Sept. 2, 2018
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

Subscribed and sworn before me this	13th day of	April	,2017
Kusten Bro	0400	1	ary Public

My Commission Expires Sept 2, 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 <a href="mailto:deprivacyofficer@wv.gov">deprivacyofficer@wv.gov</a>.

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APR 2 4 2017

WW-6A (9-13)

API NO. 47	
OPERATOR WELL	NO. Hines M06H
Well Pad Name: Hines	3

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

Notice Time Requirement: notice shall be pro	ovided no later th	nan the filing date of permit application.
Date of Notice: 3/14/17 Date Permit Applic	cation Filed: <u> </u>	1/20/17
		PROVAL FOR THE AN IMPOUNDMENT OR PIT
Delivery method pursuant to West Virginia	Code § 22-6A-1	0(b)
☐ PERSONAL ☐ REGISTERED	☑ метн	HOD OF DELIVERY THAT REQUIRES A
SERVICE MAIL		EIPT OR SIGNATURE CONFIRMATION
sediment control plan required by section seven of the surface of the tract on which the well is or is poil and gas leasehold being developed by the properator or lessee, in the event the tract of land on more coal seams; (4) The owners of record of the well work, if the surface tract is to be used for the impoundment or pit as described in section nine of have a water well, spring or water supply source be provide water for consumption by humans or dom proposed well work activity is to take place. (c)(1) subsection (b) of this section hold interests in the records of the sheriff required to be maintained puprovision of this article to the contrary, notice to a	of this article, and proposed to be locused well work, in submitted pursuent which the well pursuent which the well pursuent to the placement, consider that article; (5) cocated within one estic animals; and If more than three lands, the applications and lien holder is no perator shall also proposed within and the placement.	or signature confirmation, copies of the application, the erosion and the well plat to each of the following persons: (1) The owners of record of cated; (2) The owners of record of the surface tract or tracts overlying the if the surface tract is to be used for roads or other land disturbance as lant to subsection (c), section seven of this article; (3) The coal owner, proposed to be drilled is located [sic] is known to be underlain by one or racts overlying the oil and gas leasehold being developed by the proposed truction, enlargement, alteration, repair, removal or abandonment of any Any surface owner or water purveyor who is known to the applicant to be thousand five hundred feet of the center of the well pad which is used to d (6) The operator of any natural gas storage field within which the eet tenants in common or other co-owners of interests described in ant may serve the documents required upon the person described in the eight, article one, chapter eleven-a of this code. (2) Notwithstanding any at notice to a landowner, unless the lien holder is the landowner. W. Va. provide the Well Site Safety Plan ("WSSP") to the surface owner and any g as provided in section 15 of this rule.
	&S Plan Notice	e ☑ Well Plat Notice is hereby provided to:
☑ SURFACE OWNER(s) Name: Donald Hines and Wanda L Hines		COAL OWNER OR LESSEE Name: Consol Mining Company LLC
Address: 301 4th Street	_	Address: 1000 Consol Energy Drive
Glen Dale, WV 26038		Canonsburg, PA 15317
Name:		COAL OPERATOR
Address:	_	Name:
	_	Address:
SURFACE OWNER(s) (Road and/or Other D	Disturbance)	<del></del>
Name:		SURFACE OWNER OF WATER WELL
Address:	<u> </u>	AND/OR WATER PURVEYOR(s)
		Name: see attached
Name:	<u> </u>	Address:
Address:		RECEIVED
		OPERATOR OF ANY NATURAL GAS STORAGE FIELD GAS
SURFACE OWNER(s) (Impoundments or Pi		Name:
Name:		Address:APR 2 4 2017
Address:		
		*Please attach additional forms if necessary
		WV Department of
		Environmental Protection
		PITALIA

# WW-6A Notice of Application Attachment (Hines Pad)

# SURFACE OWNER OF WATER WELL AND/OR WATER PURYEOR(S):

Bobby G Baker RD 3 Box 249 Moundsville, WV 26041

Mark G. Grandstaff 762 Toms Run Rd Moundsville, WV 26041

Tobias & Jessica Brown 873 Toms Run Lane Moundsville, WV 26041

Edward D. Knuth 747 Toms Run Lane Moundsville, WV 26041

Morgan Lacefield 77 Bridge St. Plz Moundsville, WV 26041

Gerald Oliver 816 Toms Run Lane Moundsville, WV 26041

Chevron U.S.A. Inc. 800 Mountain View Drive Smithfield, PA 15478



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Office of Oil and Gas

APR 24 2017

WW-6A (8-13)

API NO. 47	
OPERATOR WELL NO.	Hines M06H
Well Pad Name: Hines	

# Notice is hereby given:

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

# This Notice Shall Include:

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

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

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

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

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

# **Well Location Restrictions**

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Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two hundred fifty feet measured horizontally from any existing water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided, whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements. (b) No well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No well pad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the department shall be measured as follows: (1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the lake or reservoir. (2) For a surface water intake on a flowing stream, the distance shall be measured from a semicircular radius extending upstream of the surface water intake. (3) For a groundwater source, the distance shall be measured from the wellhead or spring. The department may, in its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. A waiver, if granted, shall impose any permit conditions as the secretary considers necessary. (c) Notwithstanding the foregoing provisions of this Office not have called and conditions as the secretary considers necessary. 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 Page 2 4600 Aged 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 wens as they relate to the well location restrictions regarding occupied dwelling structures pursuant to this section. Upon a finding Environmental Archiection the well location restrictions regarding occupied dwelling structures are inadequate or otherwise require alteration to address the items

WW-6A	
(8-13)	

API NO. 47	
OPERATOR WELL NO.	Hines M06H
Well Pad Name: Hines	

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

# Water Well Testing:

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

# Water Testing Laboratories:

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

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

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

Written Comment:

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

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

APR 24 2017

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

Environmental Profestion

WW-6A (8-13)

API NO. 47	
OPERATOR WELL NO.	Hines M06H
Well Pad Name: Hines	

# 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 <a href="http://www.dep.wv.gov/oil-and-gas/Horizontal-Permits/Pages/default.aspx">http://www.dep.wv.gov/oil-and-gas/Horizontal-Permits/Pages/default.aspx</a> and the applicant will automatically be forwarded an email notice that such comments have been submitted. The applicant will be expected to provide a response to comments submitted by any surface owner, water purveyor or natural gas storage operator noticed within the application.

# Permit Denial or Condition

The Chief has the power to deny or condition a well work permit. Pursuant to West Virginia Code § 22-6A-8(d), the permit may not be issued or be conditioned, including conditions with respect to the location of the well and access roads prior to issuance if the director determines that:

- (1) The proposed well work will constitute a hazard to the safety of persons;
- (2) The plan for soil erosion and sediment control is not adequate or effective;
- (3) Damage would occur to publicly owned lands or resources; or
- (4) The proposed well work fails to protect fresh water sources or supplies.

A permit may also be denied under West Virginia Code § 22-6A-7(k), the secretary shall deny the issuance of a permit if the secretary determines that the applicant has committed a substantial violation of a previously issued permit for a horizontal well, including the applicable erosion and sediment control plan associated with the previously issued permit, or a substantial violation of one or more of the rules promulgated under this article, and in each instance has failed to abate or seek review of the violation within the time prescribed by the secretary pursuant to the provisions of subdivisions (1) and (2), subsection (a), section five of this article and the rules promulgated hereunder, which time may not be unreasonable.

Pursuant to West Virginia Code § 22-6A-10(g), any person entitled to submit written comments to the secretary pursuant to subsection (a), section eleven of this article, shall also be entitled to receive from the secretary a copy of the permit as issued or a copy of the order modifying or denying the permit if the person requests receipt of them as a part of the written comments submitted concerning the permit application. Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

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A 7 0 5 1 6 7 Office of Oil and Gas

APR 24 2017

WW-6A (8-13)

API NO. 47OPERATOR WELL NO. Hines M06H
Well Pad Name: Hines

Notice is hereby given by:

Well Operator: Chevron Appalachia, LLC
Telephone: 724-564-3700
Email:

Address: 800 Mountain View Drive

Smithfield, PA 15478

Facsimile: 724-564-3894

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 www.gov.

enry Hayes

COMMONWEALTH OF PENNSYLVANIA

NOTARIAL SEAL Kristen Brooks, Notary Public Smithfield Boro, Fayette County My Commission Expires Sept. 2, 2018

MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

Subscribed and sworn before me this 13 Hday of March 2017

Notary Public

My Commission Expires Sept. 2, 2018

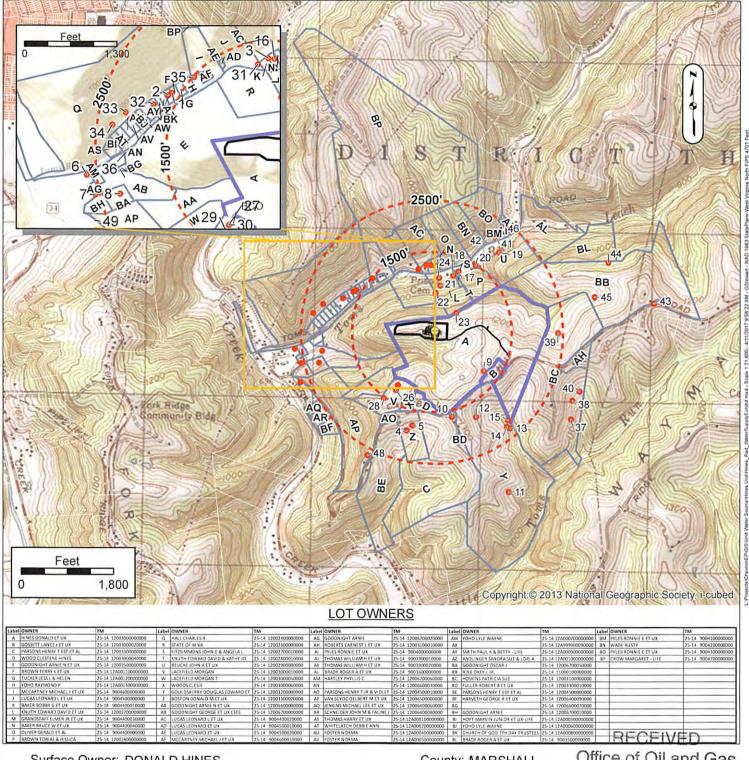
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Office of Oil and Gas

APR 24 2017







Surface Owner: DONALD HINES

Oil/Gas Owner: DONALD HINES

Well Operator: CHEVRON APPALACHIA, LLC

Address: 800 MOUNTAIN VIEW DRIVE

SMITHFIELD, PA. 15478

Phone: 724-564-3700

Office of Oil and Gas County: MARSHALL

Township: MOUNDSVILLE, WV

GROUNDWATER & ENVIRONMENTAL 2017

Surveyor: SERVICES, INC.

Address: 301 COMMERCE PARK DREPARTMENT of

CRANBERRY TOWNSHIP PARTE Frotection

Phone: 800-267-2549





No.	WATER PURVEYOR	SUPPLY	ELEV.	ADDRESS	PHONE #
1	ANDLINGER, SANDRA S. & KORN, LORI A.	Well	724	2315 HANCOCK STREET	304-280-1108
2	ANDLINGER, SANDRA S. (& D. ANDLINGER)	Well	754	2315 HANCOCK STREET	304-280-1108
3	BAKER, BOBBY G.	Well	621	RD 3 BOX 249	304-845-1836
4	BOSTON, DONALD M.	Spring	1,029	1770 CAMPBELL HILL ROAD	304-845-2506
5	BOSTON, DONALD M.	Spring	1,075	1770 CAMPBELL HILL ROAD	304-845-2506
6	GOODNIGHT, ARNIE N.	Well	556	102 GOODNIGHT LANE 304-	
7	GOODNIGHT, ARNIE N.	Well	654	102 GOODNIGHT LANE	304-845-8505
8	GOODNIGHT, OSCAR J.	Well	654	77 GOODNIGHT LANE	304-845-3813
9	GOSSETT, LANCE J.	Spring	1,134	1256 CAMPBELL HILL RD	304-639-4065
10	GOULDSBERRY, DOUGLAS E.	Dug well	1,293*	1584 CAMPBELL HILL RD	304-830-1265
11	GOULDSBERRY, DOUGLAS E	Spring	1,112*	1584 CAMPBELL HILL RD	304-830-1265
12	GOULDSBERRY, DOUGLAS E.	Spring	1,177*	1584 CAMPBELL HILL RD	304-830-1265
13	GOULDSBERRY, DOUGLAS E.	Spring	1,062*	1584 CAMPBELL HILL RD	304-830-1265
14	GOULDSBERRY, DOUGLAS E.	Stream	1,072*	1584 CAMPBELL HILL RD	304-830-1265
15	GOULDSBERRY, DOUGLAS E.	Stream	1,078*	1584 CAMPBELL HILL RD	304-830-1265

No.	SUPPLY COORDINATES	H04M	H05M	H06M	H07M	H08M	H09M	H10M	H11M
1	39°54'30.344" N 80°42'15.973" W	1,634	1,641	1,648	1,655	1,681	1,674	1,667	1,660
2	39°54'30.006" N 80°42'16.667" W	1,665	1,672	1,679	1,685	1,712	1,706	1,699	1,693
3	39°54'35,290" N 80°41'58.567" W	1,294	1,309	1,324	1,339	1,341	1,326	1,312	1,297
4	39°54'03.560" N 80°42'02.858" W	1,963	1,948	1,933	1,919	1,924	1,939	1,954	1,969
5	39°54'04.579" N 80°42'01.465" W	1,841	1,827	1,812	1,797	1,801	1,816	1,831	1,846
6	39°54'18.882" N 80°42'31.161" W	2,640	2,637	2,635	2,632	2,662	2,664	2,667	2,669
7	39°54'16.135" N 80°42'29.577" W	2,573	2,569	2,565	2,561	2,590	2,594	2,598	2,602
8	39°54'16.293" N 80°42'25.095" W	2,232	2,227	2,223	2,218	2,247	2,251	2,256	2,260
9	39°54'15.123" N 80°41'43.681" W	1,321	1,313	1,305	1,297	1,272	1,280	1,288	1,296
10	39°54'06.289" N 80°41'51.626" W	1,709	1,695	1,681	1,667	1,658	1,672	1,686	1,701
11	39°53'52.097" N 80°41'37.093" W	3,472	3,459	3,446	3,433	3,418	3,431	3,444	3,458
12	39°54'06,339" N 80°41'45.499" W	1,892	1,880	1,867	1,854	1,838	1,851	1,864	1,877
13	39°54'04.283" N 80°41'37.017" W	2,449	2,438	2,427	2,416	2,395	2,406	2,417	2,428
14	39°54'04.579" N 80°41'37.755" W	2,388	2,377	2,366	2,355	2,335	2,346	REGEIV	E[3,368
15	39°54'05.810" N 80°41'37.546" W	2,306	2,295	2,285	2,274	2,253		07.27311	nd (Sas

WV Department of

**Environmental Protection** 





No.	WATER PURVEYOR	SUPPLY	ELEV.	ADDRESS	PHONE #	
16	GRANDSTAFF, MARK G.	Well	617	762 TOMS RUN RD	304-780-8287	
17	BROWN, TOBIAS & JESSICA	Well	769	873 TOMS RUN LANE	304-374-3857	
18	KNUTH, EDWARD D	Spring	811	747 TOMS RUN LANE	304-845-7519	
19	HARDING, JODI L. & TERRY A.	Spring	752	899 TOMS RUN LANE	304-845-6315	
20	HARDING, JODI L. & TERRY A.	Stream	712	899 TOMS RUN LANE	304-845-6315	
21	KNUTH, EDWARD D	Spring	747	747 TOMS RUN LANE	304-845-7519	
22	KNUTH, EDWARD D	Spring	826	747 TOMS RUN LANE	304-845-7519	
23	KNUTH, EDWARD D	Spring	996	747 TOMS RUN LANE	304-845-7519	
24	KNUTH, EDWARD D	Well	692	747 TOMS RUN LANE	304-845-7519	
25	LACEFIELD, MORGAN	Spring	1,142	77 BRIDGE STREET PLZ	304-639-0727	
26	LACEFIELD, MORGAN	Spring	1,195	77 BRIDGE STREET PLZ	304-639-0727	
27	LACEFIELD, MORGAN	Spring	1,145	77 BRIDGE STREET PLZ	304-639-0727	
28	LACEFIELD, MORGAN	Spring	1,142	77 BRIDGE STREET PLZ	304-639-0727	
29	LACEFIELD, MORGAN	Spring	1,195	77 BRIDGE STREET PLZ	304-639-0727	
30	LACEFIELD, MORGAN	Spring	1,145	77 BRIDGE STREET PLZ	304-639-0727	

No.	SUPPLY COORDINATES	H04M	H05M	H06M	H07M	M80H	H09M	H10M	H11M
16	39°54'35.265" N 80°41'57.447" W	1,289	1,304	1,319	1,334	1,335	1,320	1,305	1,290
17	39°54'34.110" N 80°41'50.506" W	1,297	1,311	1,325	1,339	1,327	1,313	1,299	1,285
18	39°54'33.332" N 80°41'51.777" W	1,185	1,199	1,213	1,227	1,217	1,203	1,189	1,175
19	39°54'37.871" N 80°41'40.362" W	2,056	2,067	2,079	2,091	2,072	2,060	2,048	2,037
20	39°54'35.305" N 80°41'46.201" W	1,571	1,583	1,596	1,609	1,593	1,580	1,567	1,555
21	39°54'31.392" N 80°41'54.974" W	921	935	950	965	960	945	930	915
22	39°54'29.966" N 80°41'56.148" W	762	777	791	806	803	788	773	758
23	39°54'26.226" N 80°41'50.920" W	644	653	662	672	649	639	629	620
24	39°54'32.857" N 80°41'55.287" W	1,061	1,076	1,091	1,106	1,102	1,087	1,072	1,057
25	39°54'09.647" N 80°42'08.715" W	1,564	1,551	1,539	1,526	1,543	1,555	1,568	1,580
26	39°54'11.242" N 80°42'05.723" W	1,305	1,292	1,278	1,265	1,280	1,293	1,306	1,319
27	39°54'12.196" N 80°42'05.270" W	1,203	1,190	1,177	1,164	1,179	1,192	1,205	1,218
28	39°54'09.647" N 80°42'08.715" W	1,564	1,551	1,539	1,526	1,543	1,555	1,568	1,580
29	39°54'11.242" N 80°42'05.723" W	1,305	1,292	1,278	1,265	1,280	1,293	1,306	1,319
30	39°54'12.196" N 80°42'05.270" W	1,203	1,190	1,177	1,164	1,179	1,1923 F	CE309EI	1,218

Office of Oil and Gas

APR 24 2017





No.	WATER PURVEYOR	SUPPLY	ELEV.	ADDRESS	PHONE #	
31	OLIVER, GERALD	Stream	734*	816 TOMS RUN LANE	304-845-7675	
32	SCAMELHORN, DENISE	Well	705	432 TOMS RUN LANE	304-810-0336	
33	SCAMELHORN, DENISE	Spring	737	432 TOMS RUN LANE	304-810-0336	
34	SCAMELHORN, DENISE	Spring	767	432 TOMS RUN LANE	304-810-0336	
35	YOHO, RAYMOND P.	Well	726	524 TOMS RUN LANE	304-845-5250	
36	GOODNIGHT OSCAR J	Well	642	77 GOODNIGHT LANE MOUNDSVILLE, WV 26041	304-845-3813	
37	HOSKINS PATRICIA SUE	Spring	1026	19 CHARLES DRIVE MOUNDSVILLE, WV 26041	304-845-9769	
38	HOSKINS PATRICIA SUE	Spring	1094	19 CHARLES DRIVE MOUNDSVILLE, WV 26041	304-845-9769	
39	HOSKINS PATRICIA SUE	Spring	1016	19 CHARLES DRIVE MOUNDSVILLE, WV 26041	304-845-9769	
40	HOSKINS PATRICIA SUE	Pond	1117	19 CHARLES DRIVE MOUNDSVILLE, WV 26041	304-845-9769	
41	PYLES RONNIE E ET UX	Well	895	1056 TOMS RUN LANE MOUNDSVILLE, WV 26041	304-845-2288	
42	PYLES RONNIE E ET UX	Spring	705	1056 TOMS RUN LANE MOUNDSVILLE, WV 26041	304-845-2288	
43	RINE OKEY L JR	Well	1307	6 TRACY LANE MOUNDSVILLE, WV 26041	304-845-1533	
44	RINE OKEY L JR	Pond	1130	6 TRACY LANE MOUNDSVILLE, WV 26041	304-845-1533	
45	RINE OKEY L JR	Pond	1132	6 TRACY LANE MOUNDSVILLE, WV 26041	304-845-1533	

No.	SUPPLY COORDINATES	H04M	H05M	H06M	H07M	H08M	H09M	H10M	H11M
31	39°54'34.462" N 80°42'00.486" W	1,228	1,243	1,258	1,272	1,279	1,264	1,249	1,235
32	39°54'28.713" N 80°42'19.263" W	1,798	1,803	1,808	1,813	1,842	1,837	1,832	1,827
33	39°54'27.565" N 80°42'24.278" W	2,139	2,142	2,145	2,149	2,178	2,174	2,171	2,168
34	39°54'25.851" N 80°42'26.683" W	2,289	2,291	2,293	2,295	2,325	2,323	2,321	2,319
35	39°54'32.558" N 80°42'11.984" W	1,510	1,520	1,530	1,540	1,563	1,553	1,543	1,533
36	39°54'18.6012"N 80°42 24.3252"W	2,117	2,114	2,111	2,108	2,137	2,140	2,144	2,147
37	39°54'06.1092"N 80°41'21.7284"W	3,254	3,247	3,240	3,233	3,214	3,215	3,221	3,228
38	39°54'09.6840"N 80°41'21.4440"W	3,106	3,100	3,094	3,088	3,066	3,067	3,072	3,078
39	39°54'22.6440"N 80°41'25.2816"W	2,521	2,522	2,522	2,523	2,492	2,493	2,492	2,491
40	39°54'11.4516"N 80°41'19.6764"W	3,163	3,159	3,154	3,149	3,125	3,126	3,130	3,135
41	39°54'40.6620"N 80°41'41.1648"W	2,239	2,252	2,264	2,277	2,261	2,262	2,235	2,223
42	39°54'41.2812"N 80°41'43.4832"W	2,194	2,208	2,220	2,234	2,220	2,221	2,194	2,180
43	39°54'28.5516"N 80°41'01.3488"W	4,428	4,431	4,433	4,436	4,404	4,405	4,401	4,399
44	39°54'36.2196"N 80°41'12.9444"W	3,748	3,754	3,760	3,766	3,732	3,733	3,726	3,720
45	39°54'29.6064"N 80°41'16.2096"W	3,307	3,310	3,314	3,318	3,285	3,286	3,281	3,278

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47 0 5 1 0 1 1 - APR 24 2017





No.	WATER PURVEYOR	SUPPLY	ELEV.	ADDRESS	PHONE #	
46	THOMAS WILLIAM H ET UX	Well	689	TOMS RUN RD MOUNDSVILLE, WV 26041	304-845-6459	
47	THOMAS WILLIAM H ET UX	Well	689	TOMS RUN RD MOUNDSVILLE, WV 26041	304-845-6459	
48	VAN SCYOC DELBERT M ET UX	Spring	1137	2074 CAMPBELL HILL ROAD MOUNDSVILLE, WV	304-280-5104	
49	VAN SCYOC DELBERT M ET UX	Spring	693	2074 CAMPBELL HILL ROAD MOUNDSVILLE, WV	304-280-5104	

No.	SUPPLY COORDINATES	H04M	H05M	H06M	H07M	H08M	H09M	H10M	H11M
46	39°54'42.4584"N 80°41'39.0876"W	2,481	2,493	2,506	2,518	2,502	2,489	2,477	2,464
47	39°54'42.4584"N 80°41'39.0876"W	2,481	2,493	2,506	2,518	2,502	2,489	2,477	2,464
48	39°53'58.7400"N 80°42'12.6180"W	2,675	2,662	2,648	2,634	2,647	2,661	2,674	2,688
49	39°54'12.5064"N 80°42'29.6208"W	2,690	2,685	2,679	2,673	2,701	2,707	2,712	2,718

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APR 2 4 2017

# 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 ! Date of Notic	Requirement: No e: 03/16/2017	Date	e Permit A	TEN (10) days prior to filing a pplication Filed:	17
Delivery met	hod pursuant to	West Virginia Co	de § 22-6A-	-16(b)	
☐ HAND	<b>■</b> C	ERTIFIED MAIL			
DELIVE	RY R	ETURN RECEIPT	REQUEST	red	
receipt request drilling a hort of this subsection	ted or hand deliving the state of the delivition as of the date of the date of the date of the delivition as of the date of the delivition as of the delivit	ery, give the surface wided, That notice to the notice was properties by the surface withing by the surface was properties.	e owner not given pursu evided to the e owner. T	ant to subsection (a), section to	an operator shall, by certified mail return the surface owner's land for the purpose of en of this article satisfies the requirements wever, That the notice requirements of this lude the name, address, telephone number, or's authorized representative.
Notice is he	reby provided	to the SURFACI	E OMNE	R(s):	
Name: Donald	lines and Wanda L Hine	S		Name:	
Address: 301	4th Street			Address:	
Glen Dale, WV 2	6038				
Notice is he Pursuant to \	Vest Virginia Cod	le § 22-6A-16(b), r	otice is her	reby given that the undersigned tal well on the tract of land as fo	well operator has an intent to enter upon ollows:
Pursuant to \the surface of State: County:	Vest Virginia Cod	le § 22-6A-16(b), r e purpose of drillin	notice is her	UTM NAD 83  Public Road Access:	well operator has an intent to enter upon ollows: 525698.81 4417387.01 Route 38/Campbell Hill Road
Pursuant to V the surface of State: County: District:	Vest Virginia Coo wner's land for th West Virginia Marshall	e purpose of drillin	notice is her	tal well on the tract of land as for the UTM NAD 83  Easting: Northing:	525698.81 4417387.01
Pursuant to \ the surface or State: County:	Vest Virginia Coo wner's land for th West Virginia Marshall Washington	e purpose of drillin	notice is her	UTM NAD 83  Public Road Access:	525698.81 4417387.01 Route 38/Campbell Hill Road
Pursuant to V the surface of State: County: District: Quadrangle: Watershed: This Notice Pursuant to facsimile nu related to he located at 60	West Virginia Coc wner's land for th West Virginia Marshall Washington Moundsville, WV 7.5 Middle Grave Creek  Shall Include: West Virginia Comber and electro rizontal drilling r 1 57 <sup>th</sup> Street, SE,	e purpose of drillin  Grave Creek  ode § 22-6A-16(b)  nic mail address o	, this notice	UTM NAD 83  Easting: Northing: Public Road Access: Generally used farm name:  ee shall include the name, add tor and the operator's authorize teary, at the WV Department of	525698.81 4417387.01 Route 38/Campbell Hill Road
Pursuant to V the surface of State: County: District: Quadrangle: Watershed: This Notice Pursuant to facsimile nu related to he located at 60 Notice is he	Vest Virginia Coc wner's land for th West Virginia Marshail Washington Moundsville, WV 7.5 Middle Grave Creek Shall Include: West Virginia Comber and electro rizontal drilling r 1 57th Street, SE, ereby given by:	e purpose of drillin  Grave Creek  Ode § 22-6A-16(b)  nic mail address o  nay be obtained fre  Charleston, WV 2:	, this notice	UTM NAD 83  Easting: Northing: Public Road Access: Generally used farm name:  ee shall include the name, add tor and the operator's authorize retary, at the WV Department of 226-0450) or by visiting www.d	525698.81  4417387.01  Route 38/Campbell Hill Road  Hines  Alress, telephone number, and if available ted representative. Additional information of Environmental Protection headquarters lep.wv.gov/oil-and-gas/pages/default.aspx.
Pursuant to V the surface of State: County: District: Quadrangle: Watershed:  This Notice Pursuant to facsimile nu related to he located at 60  Notice is he Well Operate	West Virginia Coc wner's land for th West Virginia Marshail Washington Moundsville, WV 7.5 Middle Grave Creek Shall Include: West Virginia Comber and electro rizontal drilling r 1 57th Street, SE, ereby given by: Chevron Appalae	e purpose of drillings  Grave Creek  ode § 22-6A-16(b) nic mail address of may be obtained from the company of	, this notice	UTM NAD 83  Easting: Northing: Public Road Access: Generally used farm name:  ee shall include the name, add tor and the operator's authorize retary, at the WV Department (226-0450) or by visiting www.d	525698.81  4417387.01  Route 38/Campbell Hill Road  Hines  Alress, telephone number, and if available ted representative. Additional information of Environmental Protection headquarters lep.wv.gov/oil-and-gas/pages/default.aspx.
Pursuant to V the surface of State: County: District: Quadrangle: Watershed:  This Notice Pursuant to facsimile nu related to he located at 60  Notice is he Well Operate Address:	West Virginia Coc wner's land for th West Virginia Marshail Washington Moundsville, WV 7.5 Middle Grave Creek  Shall Include: West Virginia Comber and electro rizontal drilling r 1 57th Street, SE, ereby given by: Chevron Appalata 800 Mountain Vi	e purpose of drillings  Grave Creek  ode § 22-6A-16(b) nic mail address of may be obtained from the company of	, this notice	UTM NAD 83  Easting: Northing: Public Road Access: Generally used farm name:  ee shall include the name, add tor and the operator's authorize retary, at the WV Department of 226-0450) or by visiting www.d	525698.81  4417387.01  Route 38/Campbell Hill Road  Hines  Alress, telephone number, and if available ted representative. Additional information of Environmental Protection headquarters lep.wv.gov/oil-and-gas/pages/default.aspx.
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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 Agyrophysical appropriately secure your personal information. If you have any questions about our use or your personal information please of the privacy Officer at depprivacyofficer@wv.gov.

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

Notice Time I Date of Notic	Requirement: notice shall be provided no later the: 03/16/2017 Date Permit Application			application. 	
Delivery metl	nod pursuant to West Virginia Code § 22-6A-1	6(c)			
	TIED MAIL IN RECEIPT REQUESTED DELIV				
return receipt the planned o required to be drilling of a h damages to the	Y. Va. Code § 22-6A-16(c), no later than the data requested or hand delivery, give the surface owner peration. The notice required by this subsection provided by subsection (b), section ten of this arrorizontal well; and (3) A proposed surface use a surface affected by oil and gas operations to the surface by this section shall be given to the surface.	er whose land n shall inclu ticle to a surf and compend extent the da	d will be used fo de: (1) A copy ace owner whose sation agreement amages are comp	r the drilling of a horizontal well not of this code section; (2) The inform e land will be used in conjunction wi containing an offer of compensation ensable under article six-b of this ch	ice of nation th the on for apter.
(at the address		notice): Name: Addres			/
Notice is here Pursuant to W operation on t State: County:	est Virginia Code § 22-6A-16(c), notice is hereby the surface owner's land for the purpose of drillin	given that the gale of the grant of the gran	I well on the trac	vell operator has developed a planned et of land as follows: 525698.81	i
District:		Public Road	•	Route 38/Campbell Hill Road	
Quadrangle:			ed farm name:	Hines	
Watershed:	Middle Grave Creek - Grave Creek	•			
to be provided horizontal well surface affects information re	est Virginia Code § 22-6A-16(c), this notice shall by W. Va. Code § 22-6A-10(b) to a surface of l; and (3) A proposed surface use and compensated by oil and gas operations to the extent the dallated to horizontal drilling may be obtained fro located at 601 57th Street, SE, Charleston, V.	owner whose tion agreeme mages are co m the Secret	e land will be un the containing an compensable under tary, at the WV	sed in conjunction with the drilling offer of compensation for damages to article six-b of this chapter. Addit Department of Environmental Prote	of a to the tional ection
Well Operator	: Chevron Appalachia, LLC	Address:	200 Mountain Mauri	170510000	
Telephone:	724-564-3781	/ tuul 035.	Smithfield, PA 15478	#* U3 . 01000	
Email:	7273073701	Facsimile:	724-564-3894		
			. 27 007 0004	OFN/ED	
The Office of duties. Your p	Privacy Notice: Oil and Gas processes your personal information, personal information may be disclosed to other apply with statutory or regulatory requirements.	State agencie	es or third partie	s in the normal course of business	or as

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.

WW-6AW
(1-12)

API NO.	
OPERATOR WELL NO.	Hines M06H
Well Pad Name:	Hines

# 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** Casey V. Saunders , hereby state that I have read the Instructions to Persons Named on Page WW-6A and the associated provisions listed above, and that I have received copies of a Notice of Application, an Application for a Well Work Permit on Form WW-6A and attachments consisting of pages one (1) through , including the erosion and sediment control plan, if required, and the well plat, all for proposed well work on the tract of land as follows: State: West Virginia Easting: 1,663,489.179 **WVSPN NAD 27** County: Marshall Northing: 514,385.465 District: Washington Public Road Access: Quadrangle: MOUNDSVILLE Generally used farm 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, provided that Chevron U.S.A. Inc. drills the well on WV North NAD27 coordinates of North 514,385.465, East 1,663,489.179. This statement does not serve as notice that has waived its rights to mine all the coal or accept any responsibility for any damage to the well or surface facilities associated with the well by mining activity. This Voluntary Statement of No Objection does not waive 's Common Law Property Rights in the state of West Virginia. FOR EXECUTION BY A NATURAL PERSON \*Please check the box that applies ☐ SURFACE OWNER Signature: Print Name: \_\_\_\_ ☐ SURFACE OWNER (Road and/or Other Disturbance) Date: SURFACE OWNER (Impoundments/Pits) FOR EXECUTION BY A CORPORATION, ETC. Company: CONSOL Mining Company, LLC ☑COAL OWNER OR LESSEE By: Casey V. Saunders Its: Senior Project Engineer **⊠COAL OPERATOR** Signature: **□WATER PURVEYOR**

# Oil and Gas Privacy Notice:

□OPERATOR OF ANY NATURAL GAS STORAGE FIELD

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.

Date:

WW-6AW
(1-12)

API NO.	
OPERATOR WELL NO.	Hines M06H
Well Pad Name:	Hines

# 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 STAT	EMENT OF N	O OBJECTIO	N
I, Casey V. Saur	nders , hereby state that I have read the Ir	structions to Persons	Named on Page WV	V-6A and the associated provisions
listed above, and tha	t I have received copies of a Notice of Applicati	on, an Application for	r a Well Work Perm	it on Form WW-6A and attachments
consisting of pages of	one (1) through, including the cross	sion and sediment co	trol plan, if required	and the well plat all for proposed
well work on the trac	ct of land as follows:	•		, and the west plat, an for proposed
State:	West Virginia	1171(CD) 1 N 4 D 67	Easting:	1,663,489.179
County:	Marshall	WVSPN NAD 27	Northing:	514,385.465
District:	Washington	Public Road Acces	s: <u> </u>	
Quadrangle:	MOUNDSVILLE	Generally used fara	name:	
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Oil and Gas Privacy Notice:

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APR 2 4 2017

API NO. 47	
OPERATOR WELL NO.	Hines M06H
Well Pad Name: Hines	

# 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**

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VOLUNTARY STATEMENT OF NO OBJECTION

### , 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: West Virginia Easting: State: 525698.81 UTM NAD 83 County: Marshall Northing: 4417387.01 District: Washington Public Road Access: Route 38/Campbell Hill Road Quadrangle: Moundsville, WV 7.5' Generally used farm name: Hines Watershed: Middle Grave Creek - Grave Creek

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

*Please check the box that applies	FOR EXECUTION BY A NATURAL PERSON
☐ SURFACE OWNER	Signature:
☐ SURFACE OWNER (Road and/or Other Disturbance)	Print Name:
☐ SURFACE OWNER (Impoundments/Pits)	FOR EVECUTION BY A CORPORATION FIG.
☐ COAL OWNER OR LESSEE	FOR EXECUTION BY A CORPORATION, ETC. Company: Chevion U.S.A. Inc.
☐ COAL OPERATOR	By: Chack Eisenman Its: Legislative & Regulatory Advisor
X WATER PURVEYOR	Signature: Clack
☐ OPERATOR OF ANY NATURAL GAS STORAGE FIELD	Date: 4 10 17 RECEIVED
	Office of Oil and G

Oil and Gas Privacy Notice:

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Environmental Protection

API NO. 47	
OPERATOR WELL NO.	Hines M06H
Well Pad Name: Hines	

# Instructions to Persons Named on Page WW-6A

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# **VOLUNTARY STATEMENT OF NO OBJECTION**

County: District: Quadrangle: Watershed:	Marshall Washington Moundsville, WV 7.5'	UTM NAD 83 Northing: 4417387.01 Public Road Access: Route 38/Campbell Hill Road
Quadrangle:		
•	Moundsville, WV 7.5'	
watersned:	Middle Grave Creek - Grave Creek	Generally used farm name: Hines
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 tho		, , , , , , , , , , , , , , , , , , , ,
*Please chec	the box that applies	FOR EXECUTION BY A NATURAL PERSON
□ SURFA	CE OWNER	Signature: Lirald aliver
	OF OWNER (Bood and I'm Other Die	Duint Nomes O . A A . S
□ SURFA	CE OWNER (Road and/or Other Dis	sturbance) Print Name: GERACD GLIVET
	CE OWNER (Road and/or Other Dis	Date:
□ SURFA	`	FOR EXECUTION BY A CORPORATION, ETC. Company:
□ SURFA	CE OWNER (Impoundments/Pits)	Date: 3 - 2 2 - 17  FOR EXECUTION BY A CORPORATION, ETC.
□ SURFAC	CE OWNER (Impoundments/Pits) OWNER OR LESSEE	Date: 3 - 2 - 17  FOR EXECUTION BY A CORPORATION, ETC. Company: 9  By: 9

# Oil and Gas Privacy Notice:

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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

Jim Justice Governor

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

February 14, 2017

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 Hines Pad A Well Site, Marshall County

Hines A Unit M4H Hines A Unit M5H Hines A Unit M7H Hines A Unit M8H Hines A Unit M10H Hines A Unit M11H Hines A Unit M6H 51-01928

Hines A Unit M8H

Dear Mr. Martin.

Cc:

Mandy Fordyce

CH, OM, D-6

File

Chevron Appalachia, LLC

The West Virginia Division of Highways has issued Permit #06-2017-0073 for the subject site to Chevron Appalachia, LLC for access to the State Road for the well site located off of Marshall County Route 38 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,

Gary K. Clayton, P.E. Regional Maintenance Engineer

Central Office Oil & Gas Coordinator

RESEIVED Gas

APR 24 2017

WV Department of Environmental Protection 08/18/2017

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

47051010-

RECEIVED
Office of Oil and Gas

APR 24 2017

WETLAND 3A (PEM) - 25 LF FROM LOD WETLAND 2A (PEM) - 44 FT FROM LOD

VETLAND 4A (PEN) - 41 UF FROM LOD VETUAND 28 (PEM) - 0.4 LF FROM LOD

STIEMS AND NETWOS DELIGATED BY CAR, & ENVIRONMENTAL CONSULTANTS, INC. DATED 10/10/2016. UNDERGROUND UNLITES LOCATED BY A GEOPHYSICAL SURVEY CONDUCTED BY THE GEOPHYSICS LTD. DATED 10/19/2016 TO 10/20/2016. WARED UTLITY FEATURES SURVEYED BY O'AL & DANSONUDITAL CONSULTANTS, SEC. DATED 10/26/2016.

TOPOGRAPHY AND PROPERTY SYCHMATION PROVIDED BY BUIL MOUNTAIN NO. ACEN. PROTECULARY DATED 3/31/2014.

WETLANDS WITHIN 100 LF OF THE LIMIT OF DISTURBANCE (SUBJECT TO WETLAND WAIVER REQUEST)

FORD LOST OF ACCESS FIND POSCED LIFE OF CONTRIBUNCE POSCED PETWATED BETW POSCED DETWATED POSCED BETWEEN POSCED DETWEEN POSCED DETWEEN WITHOUT POSCED TEPPORATE WITHOUT POSCED TEPPORATE WITHOUT

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W1124.75 PROPOSED SPOT ELENTON

WETLAND IB (PEM) - 0.01 AC WETLAND TA (PEM) - 0.02 AC JNT 1 TO TOMS CREEK (EPH) - 192 LF WATERSHED NAME: UPPER OHIO SOUTH RECEIVING STREAM: UNIXAMED TRIBUTARIES TO TOMS RUN

EAM AND WETLAND PERMANENT IMPACTS BJECT TO USACE NATIONWIDE PERMIT 39)

BASED ON NAD 83, WEST VIRGINIA NORTH ZONE

# **EROSION AND SEDIMENT CONTROL PLAN** HINES WELL SITE



CONSULTANTS

COVIL & EXAMPLANTAL CONSULTANTS, INC.
4000 TRANCE LANE, SUITE 200
EXPORT, PA. 19632

PHONE: 724–327–5200

WASHINGTON DISTRICT, MARSHALL COUNTY, WEST VIRGINIA CAMPBELL HILL ROAD (C.R. 38)

PREPARED FOR:

# CHEVRON APPALACHIA, LLC

800 MOUNTAIN VIEW DRIVE SMITHFIELD, PA 15478

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MODA	HHOM	HEOM	HON	HODM	HBDM	HOM	MODH	HITM	MIZH	HEEM	HPDM	HSTO	Ulea	NUTU	HEEN	MISH	HOOM	мазн	UZZH	UZSH	U2494	UZSH	UZGH	HZZN	UZBH	HEZD	HOEN	HIED	HEED	HEED
\$14467.039	514452.051	514417.062	S14422.074	514407.085	514405.910	508 009415	514435.887	514450.876	514465.864	514490.853	51495.841	51494.665	514479.678	514464.689	514449.701	514434.713	514419.724	5E4.101.736	195 1009-15	51418.549	514433.538	SCS Brints	514463.515	514478.503	\$14491.49Z	514477.328	514462.340	514447.351	21W32 363	514417.374
1632253744	1632055,157	1632054,569	1632053.982	1632053.394	1632083.371	1632083.959	1612084.546	1632085.134	1632085.721	1632086.309	1632086.896	1632116.673	1637116.786	1632115.698	1632115,111	1632114.523	1632113.936	1532113.348	1632143.325	1632143.913	1632144,500	1632145.088	1632145.675	1637146.763	1637146,850	1632176.340	1632175.652	1632175.065	1632174.477	1632173.890
39 906299	39.906258	39.906217	971305.05	\$1,506.66	39.906135	39.906174	39.900215	39.900256	39.906297	39.906339	39,9063400	39.906378	9419C6 bE	39.906295	39.900254	39.906213	39.906172	trigos se	39.906128	39.906170	39.906211	39.906252	39.906293	#E906.9E	39.906375	39 906332	39.906291	39 906250	39.906209	39.906167
276569 DB	PVE569 UR	SYCEGO US	974EK69 CB	BY(569.04	192569 DR	\$0,699240	8G 699238	10 695237	\$E2569 UB	PE2569 CB	CC2569 UN	80,699126	NO 699127	80 699128	OCT669 CB	16166908	EE1669 DR	\$C 599134	80 699027	920669 08	80,699024	E20669 DR	80,699022	020669 DM	810669 DB	£16955 D8	\$16869 DR	916869 08	BO 698917	80 698919
	0.699344	D. EMERGE CO	J. 976569 T.		D 899241	0.698240	D 699238	0.695237	O 699235	C 699234	D 699233	0.699126	O 699127	D 699128	DC1569 C	0.699131	O 699133	C 699134	0 699027	D 699026	0.699024	C 69023	D 699022	0.699020	0 699019	C 558913	C1686912	916869 0	C 698917	C 696919

APPROXIMATE CENTER OF WELL PAD LATITUDE: 39.90639" N, LONGTUDE: 80.69991" W

END OF ACCESS ROAD ... LONGITUDE: 80.69811' W

CENTER OF ABOVE GROUND STORAGE TANK
ATTUDE: 39.90642" N. LONGTUDE: 80.70023" W

SITE COORDINATES AND WATERSHED
START OF ACCESS ROAD
LATITUDE: 39:90495" N, LONGTUDE: 50:69336" W

GEOTECHNICAL ENGINEER CONTACT: MICHAEL J. SHELEHEDA, P.E. EMAIL ADDRESS: mshelehedo@cecinc.com CMIL/SITE ENGINEER CONTACT: TODO C. BALDWIN, P.E. EMAL ADDRESS: tboldwin@cecine.com

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WELL PAD DONALD HINES (AC)	ED ARCA DISTURBED	TOTAL AREA	STOCKPILES	ACCESS ROAD	WELL PAD	SITE UMTS OF DISTU
	DHINES (AC)	35	19.0	2.5	6.2	10.3

DWG NO.	TILL LIBES	INCL
CS 000	COVERSHEET	×
5000	EXISTING TOPOGRAPHIC PLAN	×
25 100	OVERALL EROSION AND SEDIMENT CONTROL PLAN	×
25 101	EROSION AND SEDIMENT CONTROL PLAN (1 OF Z)	×
20123	EROSION AND SEDIMENT CONTROL PLAN (2 OF 2)	ĸ
ES 103	EROSION AND SEDIMENT CONTROL DETAILS (1 OF 7)	×
55 104	EROSION AND SEDIMENT CONTROL DETAILS (Z OF 7)	×
ES 105	EROSION AND SEDIMENT CONTROL DETAILS (3 OF 7)	×
501 53	EROSION AND SEDIMENT CONTROL DETAILS (4 OF 7)	×
ES 107	EROSION AND SEDIMENT CONTROL DETAILS (5 OF 7)	×
ES 108	EROSION AND SEDIMENT CONTROL DETAILS (6 OF 7)	×
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		1	(v)	
			WINY GROOM	
			DISTURBED	-

SITE LOCATION MAP

U.S.G.S. 7.5" TOPOGRAPHIC MAP, NOUNOSYLLE GLAGRANGLE WY-DH DATED 1960, PHOTOREVISE 1972 AND 1976.

						W.S.				
DSOrome	CESCACORA III	COSTONOR PROPERTY	DESCRIPTION OF THE PROPERTY OF	PROPOSED	DECOROSED	DECADES	DECADE -	PROPOSED		
ENOSION CONTROL BLANKET	PROPOSED MLET PROTECTION	SOCK CONSTRUCTION DYTHWICE	DRANCE CONSTRUCTION FENCE	PROPOSED TEMPORARY RUNOFF DIVERSION	32-N COMPOST PLIDE SOCK	24-M COMPOST PLTCR SOCK	18-N CONFOST VILTR SOCK	PROPOSED COMPOST FILTER SOCK TIMP		



Description 1942/2020 Description 1942/2020

COVER SHEET

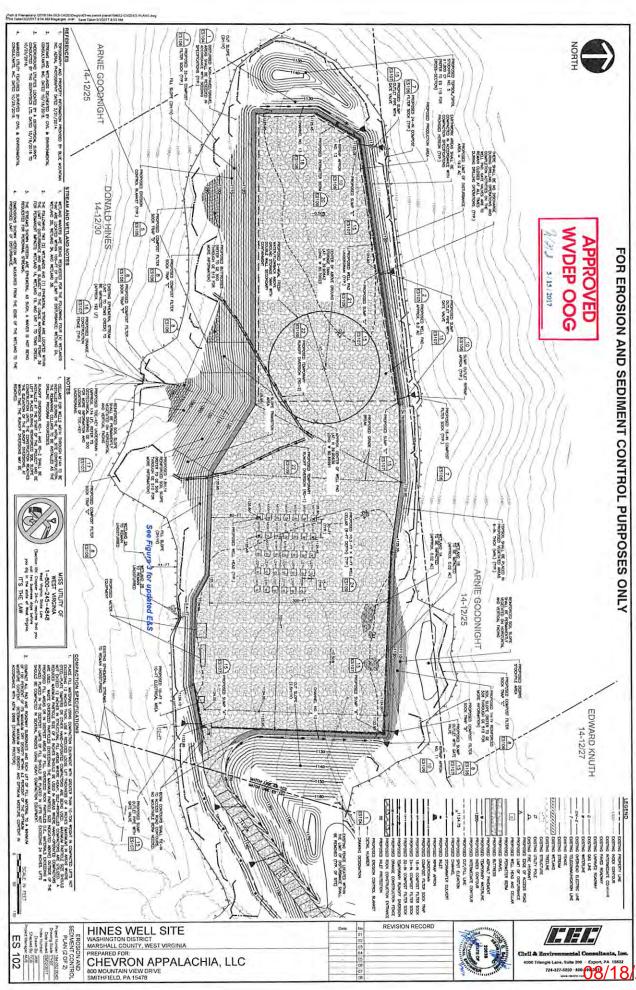
HINES WELL SITE
WASHINGTON DISTRICT
WARSHALL COUNTY, WEST VIRGINIA
PREPARED FOR
CHEVRON APPALACHIA, LLC
800 MOUNTAIN NEW DRIVE
SMITHFIELD, PA 15478



REVISION RECORD



2017



ngio Lane, Suite 200 - Export, PA 2017

