

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 M09H

47-051-01931-00-00

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 M09H

Farm Name: DONALD HINES ET UX
U.S. WELL NUMBER: 47-051-01931-00-00

Horizontal 6A / New Drill

Date Issued: 8/15/2017

Promoting a healthy environment.

PERMIT CONDITIONS 7 0 5 1 0 1 9 3

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.

PERMIT CONDITION'S 7 0 5 1 0 1 9 3 1

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 57th Street Charleston, WV 25304 (304) 926-0450 fax (304) 926-0452

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

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

TO: Chevron Appalachia, LLC 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:

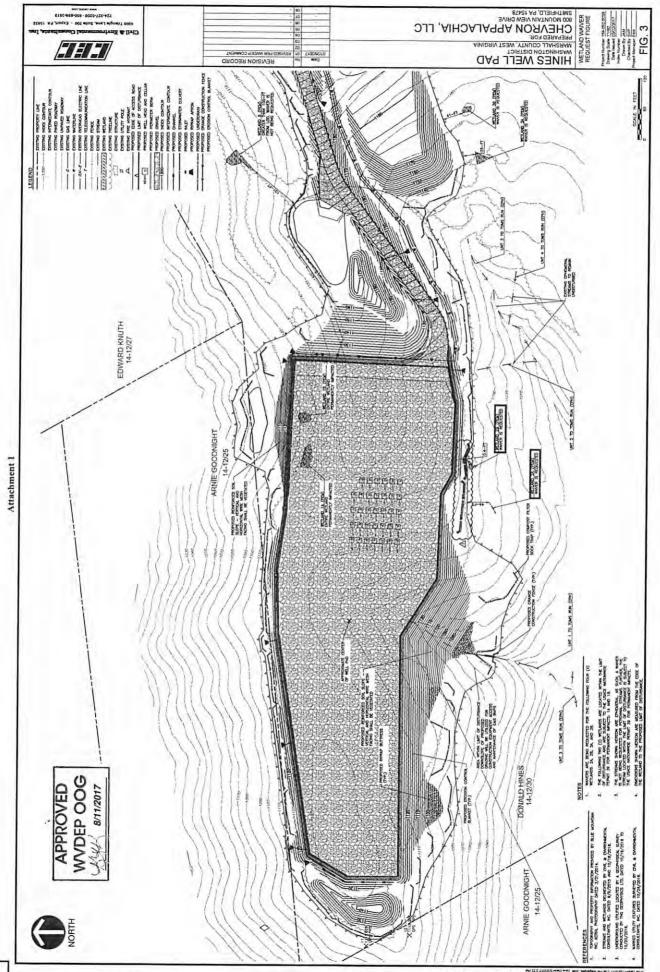
- a. A berm shall be constructed around the perimeter of the pad to contain any potential spills and storm water runoff. Berm is to be at least twenty-four inches (24") in height;
- b. Erosion control blankets shall be installed on all slopes and down gradient locations of the pad as erosion and sediment 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 57th 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 wetland to the nearest boundary of the LOD is as follows: APR 2 4 2017

Environmental Protection
4000 Triangle Lane, Suite 200 | Export, PA 15632 | p: 724-327-5200 | 1: 724-327-5280 | www.cecintlon

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- 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

SVP:KLM/jg Enclosures

cc: Jenny Hayes, Chevron Appalachia, LLC

Katie L. Moberg Project Manager

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WV Department of Environmental Post 4862017

ATTACHMENT A WETLAND AND PERENNIAL STREAM WAIVER REQUEST FORM

REGEIVED
Office of Oil and Gas
APR 24 2017

WV Department of Environmental Protoction

API Number:	47-051-01931
Operator's Well Number:	MO9H

Well Operator: Chevron Appalachia, LLC

Well Number: Well Pad Name: Hines Well Pad

County, District, Quadrangle of Well Location: Marshall County, 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 waters of the state or within the restricted areas referenced in this section.

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WV Department of Environmental Protection

11/3/14	
Wetland and Perennial Stream	Waiver Request

API Number:	
Operator's Well Number:	

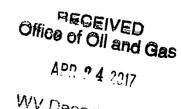
Answer in the space provided, or use additional pages as necessary to fully answer the questions below:

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.



11/3/14					
Wetland	and	Perennia	l Stream	Waiver	Request

API Number:	
Operator's Well Number:	

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

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

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

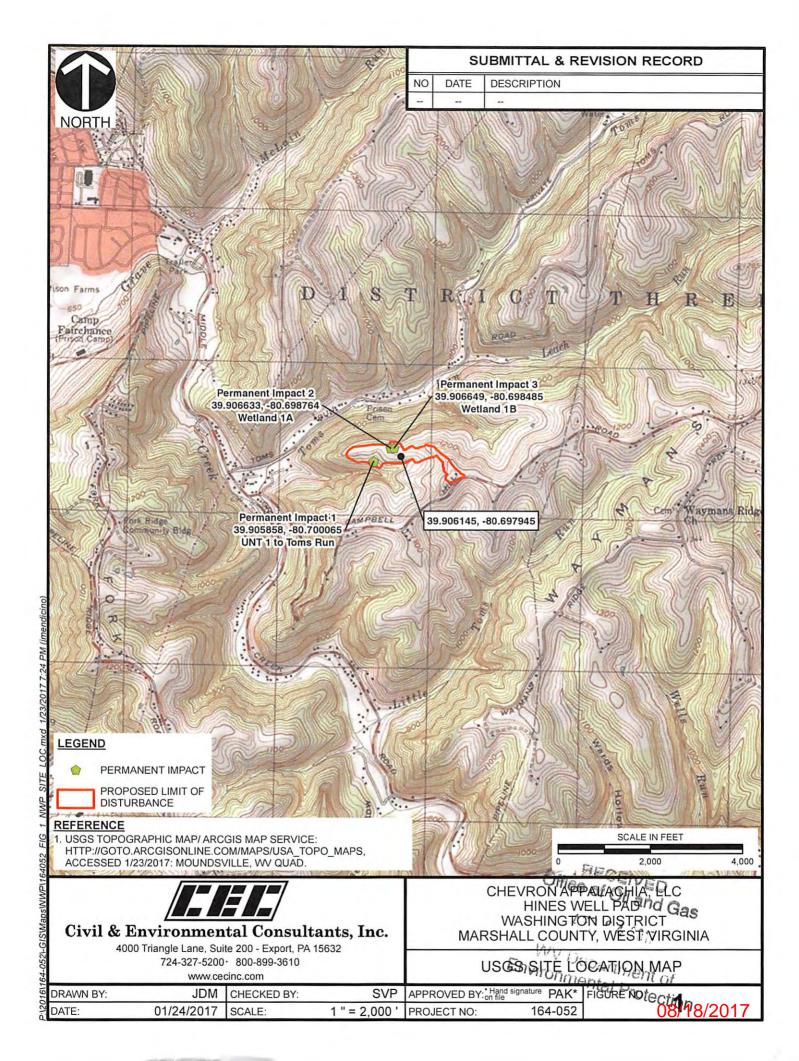
Please refer to Section 2.0, Question 4 of the letter.

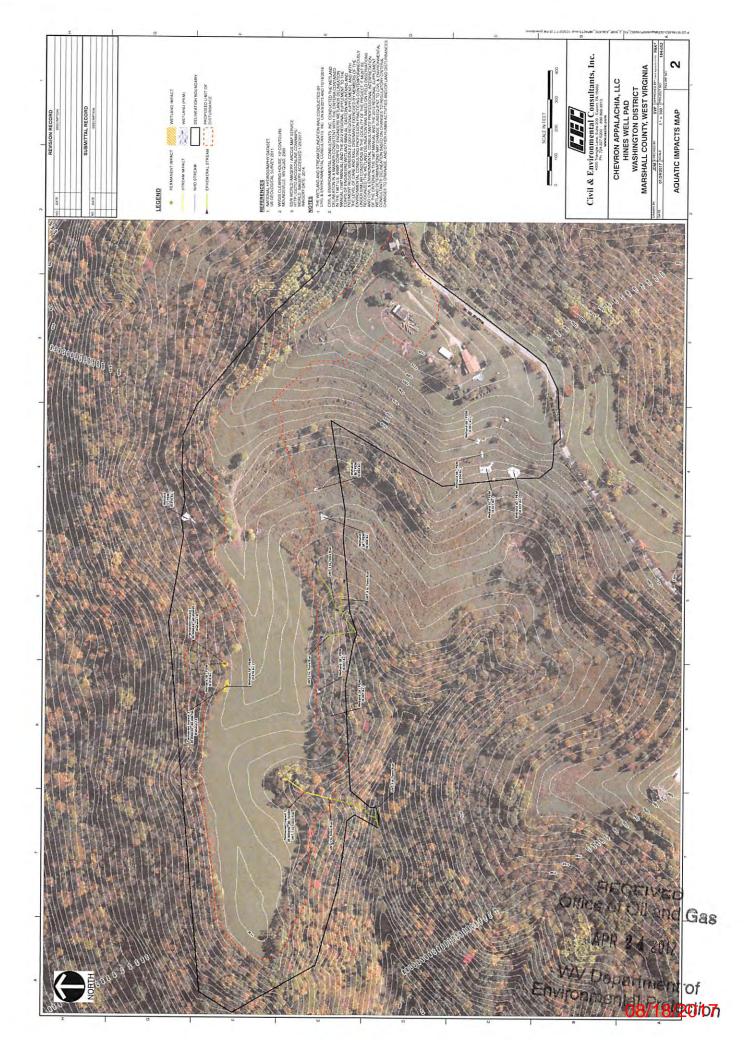


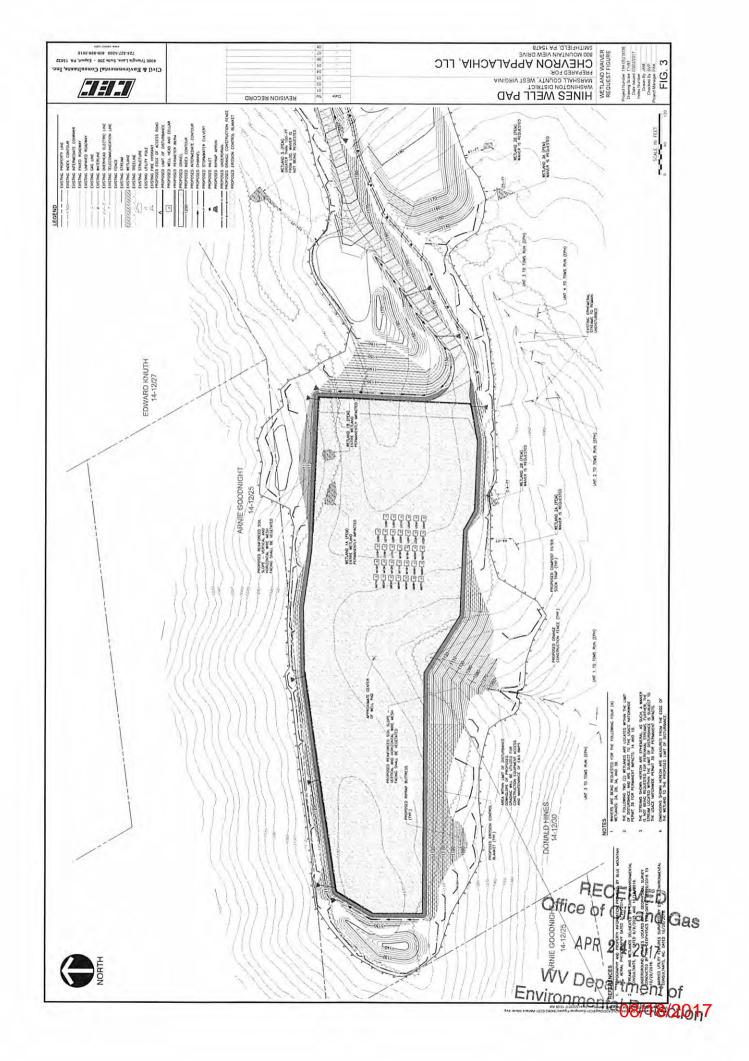
ATTACHMENT B FIGURES

Office of Oil and Gas

Environmental Protection 08/18/2017





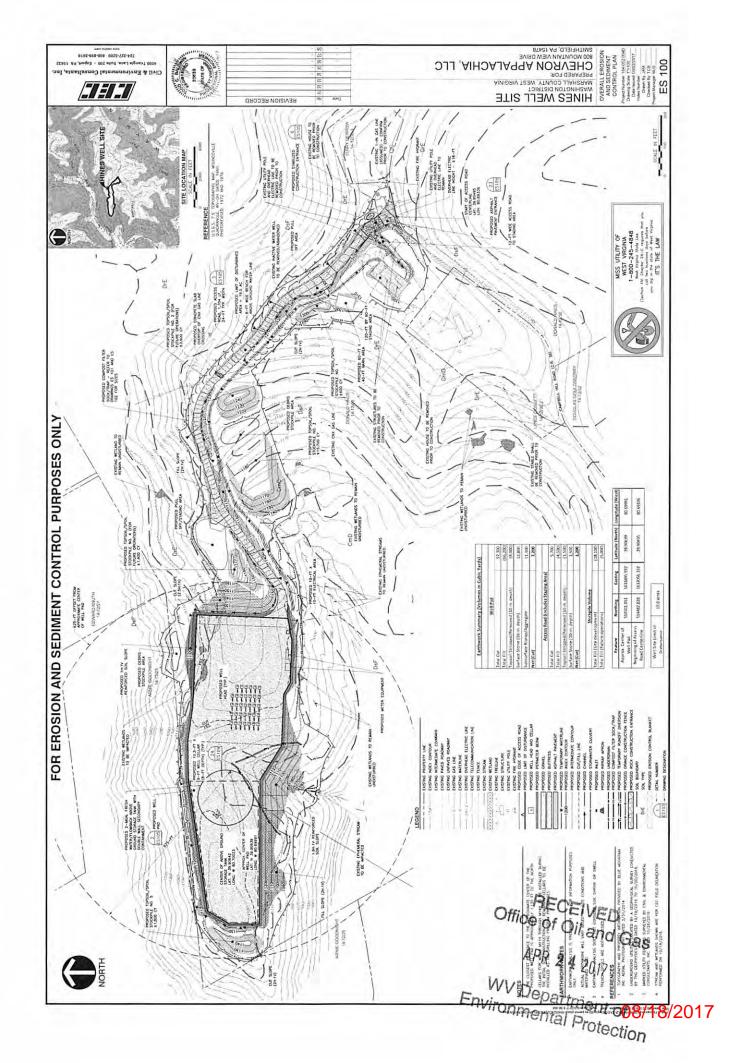


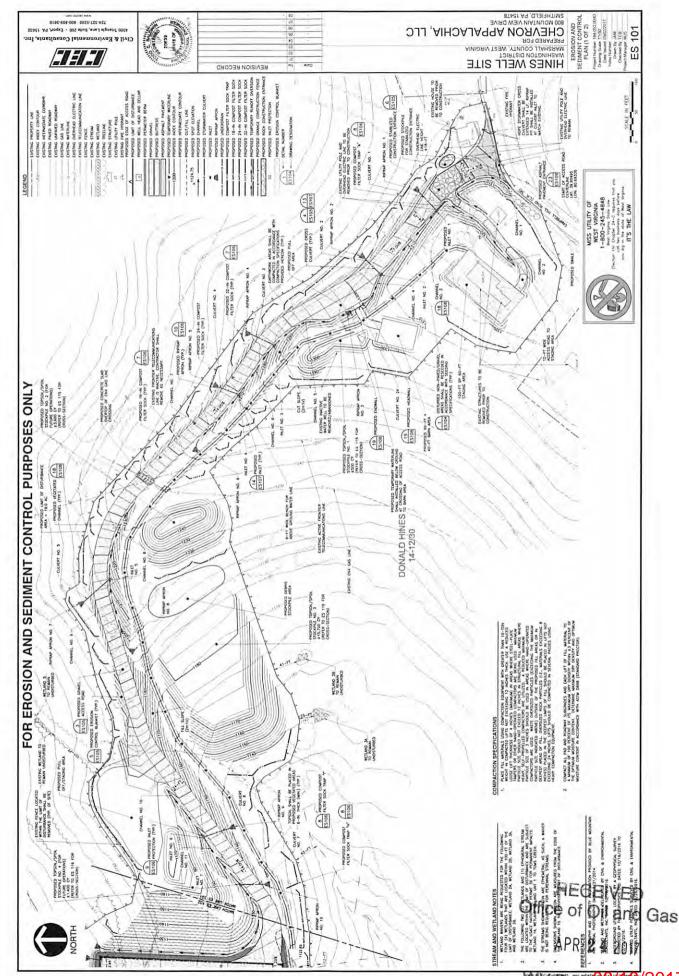
ATTACHMENT C EROSION AND SEDIMENT CONTROL PLAN

REGEIVED
Office of Oil and Gas

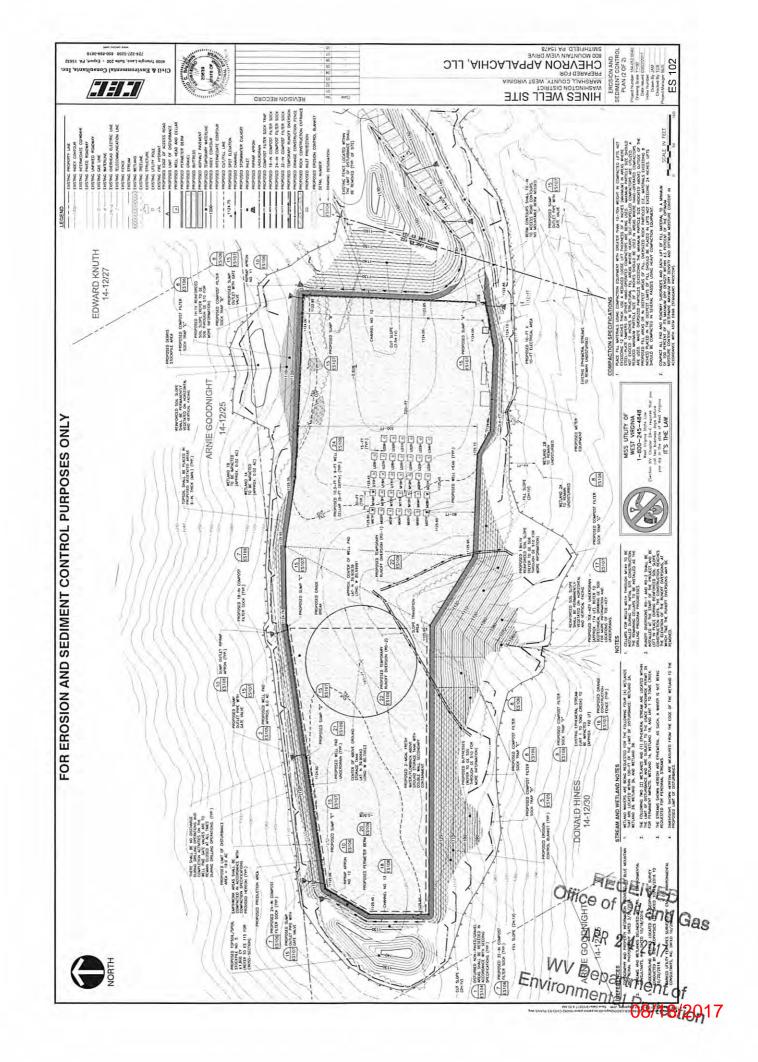
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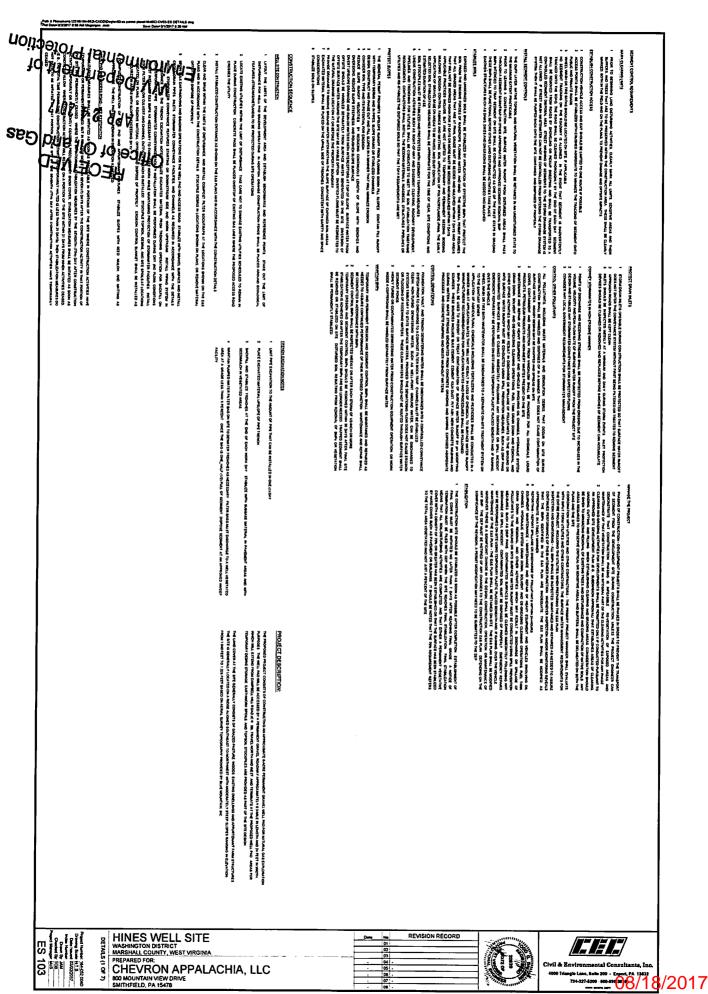
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HINES WELL SITE

SMITHTELD, PA 19478

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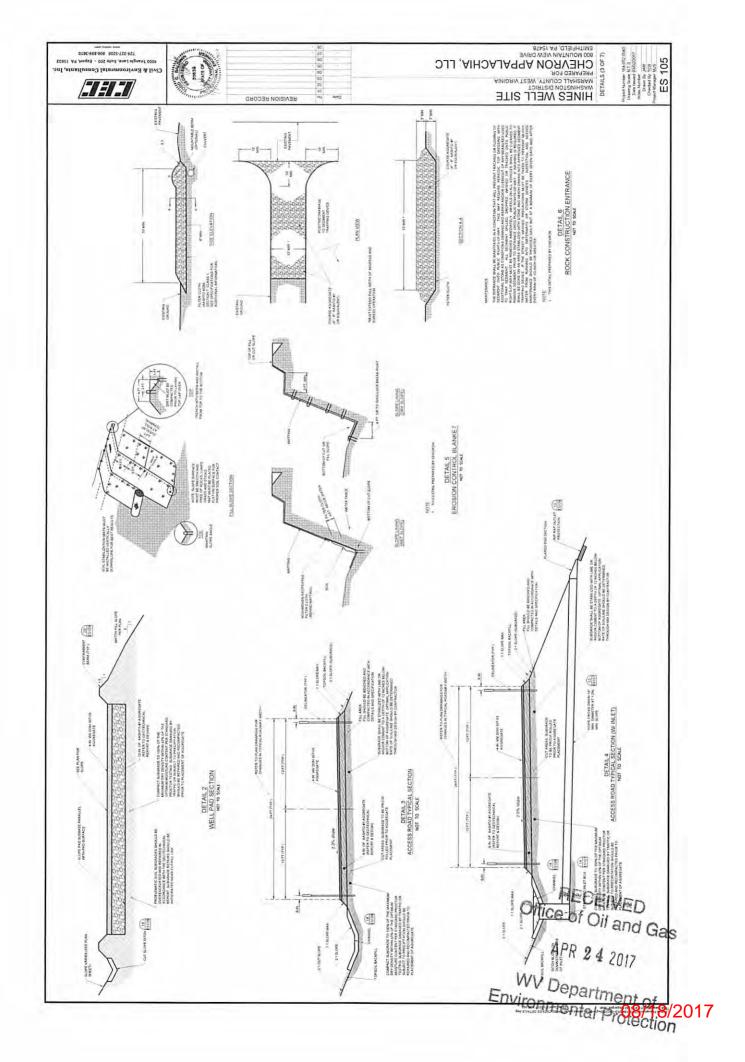
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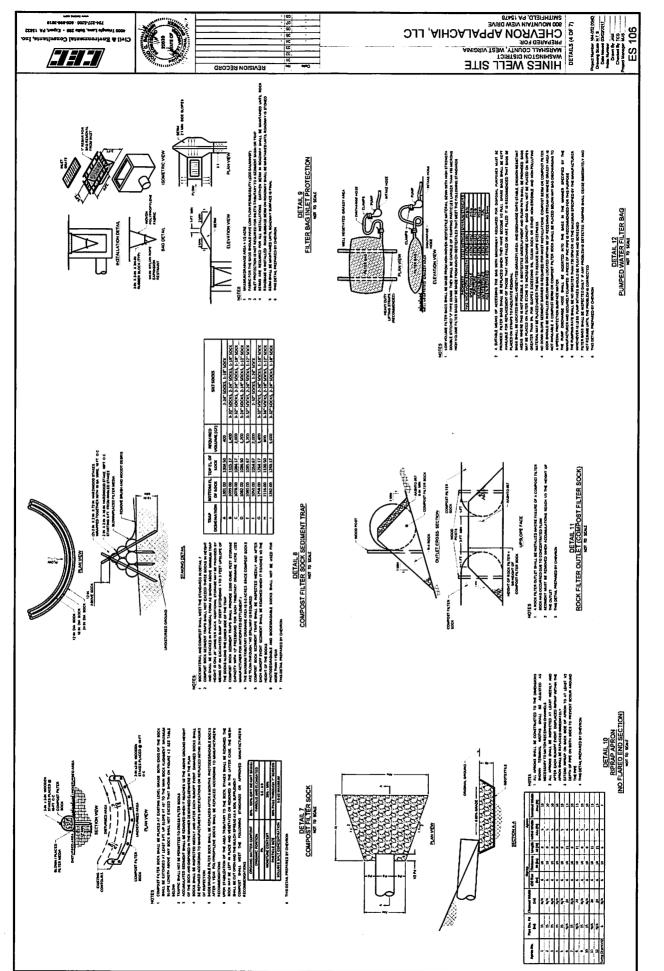
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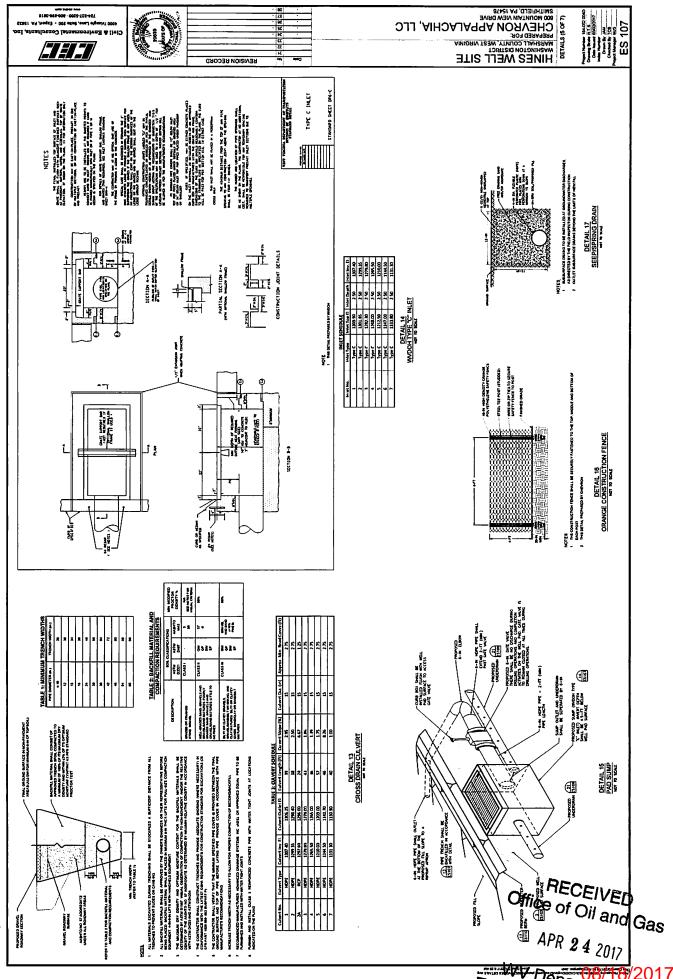
TEMPORARY SEEDING SPECIFICATIONS

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Office of Oil and Gas

APR 24 2017







Environmental Protection

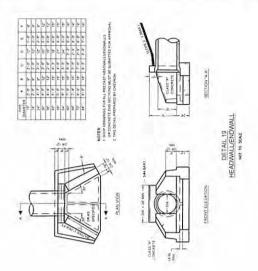
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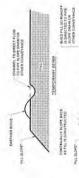


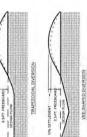
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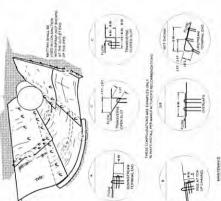
TEMPORARY FILL DIVERSIONS

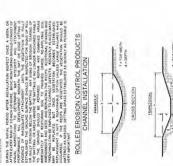
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dA.

Designation	Length (ft)	Mn Sope	Mas Slopes	Worth (h)	Top Wdth.	Desthill
	162	1.0	3.5		105	1.5
2	181	3.0	56	3	00	13
3	140	7.0	7.0	1	100	15
	9	2.0	2.0	2	00	1.5
S	144	7.0	14.0	1	100	1.5
9	100	140	140	1	100	15
7	113	24.0	140	. 2	80	1.5
*	136	140	14.0	2		1.5
6	122	140	140	2	10	1.5
10	300	140	140	2	00	1.5
11	100	140	14.0	7	.00	15
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13	117	dA.	5.0	0	100	.15

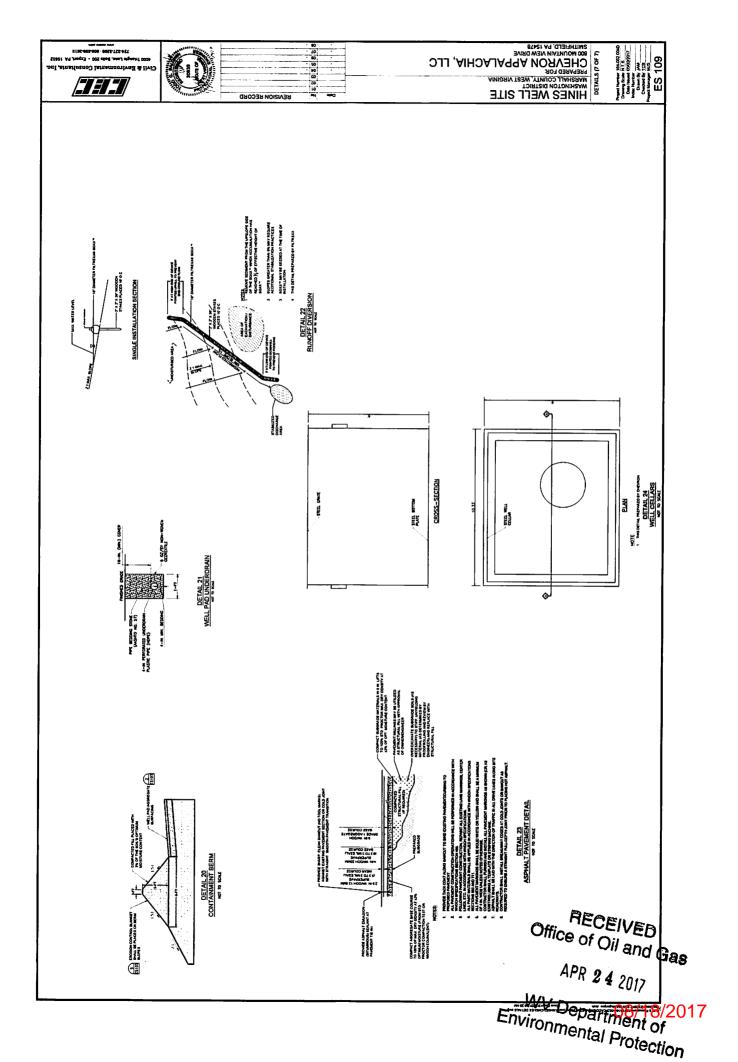


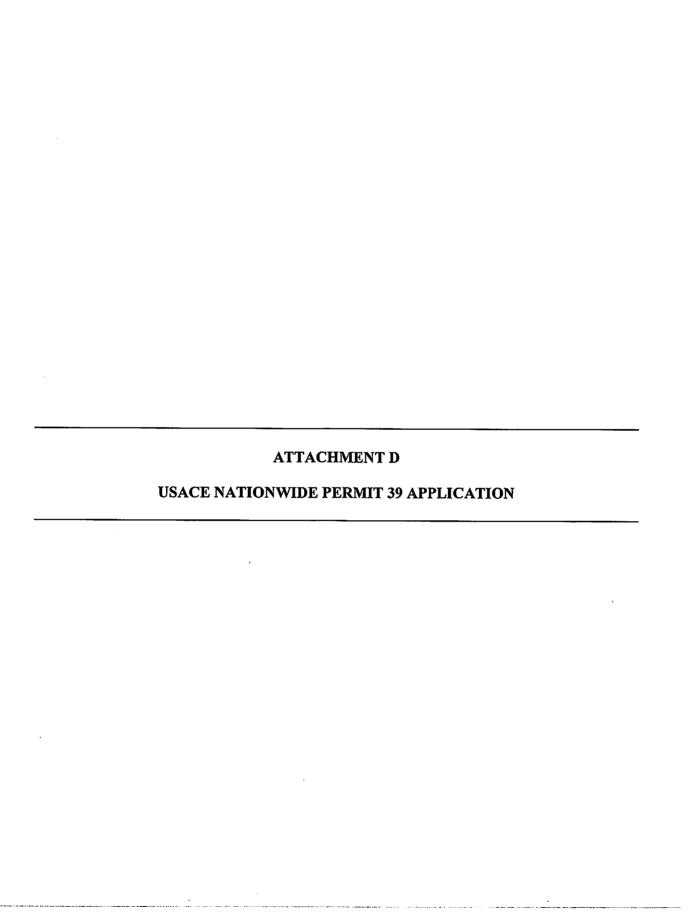




Office of Oil and Gas
APR 2 4 2017

WV Department of 2017
Environmental 98/18/2017





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

PRIVACY ACT STATEMENT

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

(ITEMS 1 THRU 4 TO BE FILLED BY THE CORPS)								
1. APPLICATION NO.	2. FIELD OFFICE CODE	3. DATE RECEIVED	4	DATE APPLICATION COMPLETE				
	(ITEMS BELOW TO B	E FILLED BY APPLICAL	<u> </u> אי					
5. APPLICANT'S NAME	8. AUTHORIZED AGENT'S NAME AND TITLE (agent is not required)							
First - Jenny Middle -	Last - Hayes	First - Katie Middle - L Last - Moberg						
Company - Chevron Appalachia, L.		Company - Civil &	Environmental (
E-mail Address - jhayes@chevron.co	om	E-mail Address - kmoberg@cecinc.com						
6. APPLICANT'S ADDRESS:		9. AGENT'S ADDRESS:						
Address- 800 Mountain View Driv	e	Address- 4000 Triangle Lane, Suite 200						
City - Smithfield State - PA		City - Export	State - PA					
7. APPLICANT'S PHONE NOs. WARE	10. AGENTS PHONE NOs. WAREA CODE							
a. Residence b. Business 724-564-37	c. Fax 81 724-564-3894	a. Residence	b. Business 724-327-520	c. Fax				
	STATEMENT OF	AUTHORIZATION		70 12T-J2[-J20U				
11. I hereby authorize, CEC, Inc. to act in my behalf as my agent in the processing of this application and to furnish, upon request, supplemental information in support of this permit application. SIGNATURE OF APPLICANT DATE								
	NAME, LOCATION, AND DESCRI	PTION OF PROJECT OF	A A ATRIANI					
12. PROJECT NAME OR TITLE (see in Hines Well Pad	structions)	FROM OF PROJECT OF	RACHVITY					
13. NAME OF WATERBODY, IF KNOW	14. PROJECT STREET ADDRESS (if applicable)							
Refer to Waters Impact Summary To	Address Campbell Hill Road							
15. LOCATION OF PROJECT Latitude: •N 39.906145 L	City - Moundsville State, WV Dr. 7 70, 26041							
16. OTHER LOCATION DESCRIPTIONS, IF KNOWN (see instructions) State Tax Parcel ID Mindelegian								
Section - Towns	Municipality ship - Washington District	Range - Mar	shall County	Office of Oil and Gas APR 24 2017				

turn right onto WV-88 S/Ridgecrest Road.	Drive 8.2 miles and turn left agr	y 91/1. Drive 0.4 mile, and continue onto 29th S ain onto Roberts Ridge Road. Drive 0.1 mile, and Drive 2 miles, and turn right onto Campbell Hill load. Drive 0.2 mile, and the entrance to the site
18. Nature of Activity (Description of project, inc Chevron Appalachia, LLC is proposing to disturbance is approximately 19 acres and	construct a new natural gas well pad and associately are active cattle pasture and wanted to	
	f palustrine emergent (PEM) wetlands and 192	linear feet of an ephemeral stream.
19. Project Purpose (Describe the reason or pur The purpose of the project is to construct a	pose of the project, see instructions) natural gas well pad and access road.	
USE BLOCKS	20-23 IF DREDGED AND/OR FILL MATERIAL IS 1	TO BE DISCHARGED
20. Reason(s) for Discharge The construction of the facility will require	the placement of fill material into any	
·		
Type(s) of Material Being Discharged and the ype	Amount of Each Type in Cubic Yards:	T
Amount in Cubic Yards	Amount in Cubic Yards	Type Amount in Cubic Yards
O CY of earthen material into wetlands	500 CY of earthen material into streams	N/A

22. Surface Area in Acres of Wetlands or Other Waters Filled (see instructions)

Acres 0.026 acre of PEM wetlands

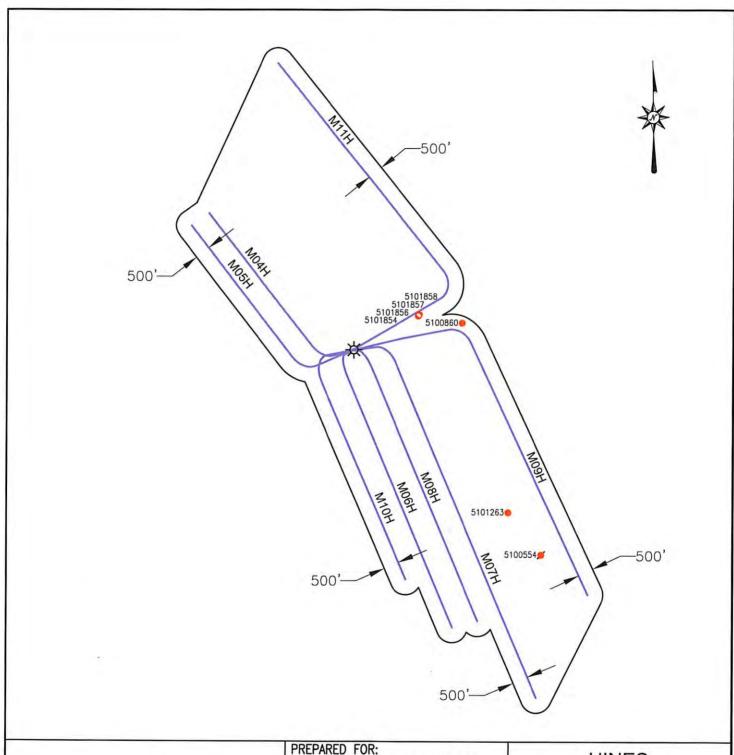
or

Linear Feet 192 linear feet of stream

23. Description of Avoidance, Minimization, and Compensation (see instructions)

Chevron analyzed numerous on-site configurations for the siting of the facility, and the proposed site plan represents the layout which minimizes impacts to the furthest extent practicable while still meeting the project's purpose and need. Grading was minimized along the southern side of the well pad to limit the impact to UNT 1 to Toms Run and to avoid impacts to Wetlands 2A and 2B. Compost filter sock traps and orange construction fencing will be installed around the downstream portion of the impacted stream to avoid additional impacts.

WVDEP Special Condition A Not yet assigned January 2017 Pending WVDEP Horizontal 6A Well P Not yet assigned January 2017 Pending WVDEP Horizontal 6A Well P Not yet assigned January 2017 Pending WVDEP Wetland Waiver Not yet assigned January 2017 Pending Would include but is not restricted to zoning, building, and flood plain permits 27. Application is hereby made for permit or permits to authorize the work described in this application. I certify that this information in this application is perplicant. 28. Application is hereby made for permit or permits to authorize the work described herein or am acting as the duly authorized agent of the applicant. 29. Signature of APPLICART DATE The Application must be signed by the person who desires to undertake the proposed activity (applicant) or it may be signed by the person who desires to undertake the proposed activity (applicant) or it may be signed by the person who desires to undertake the proposed activity (applicant) or it may be signed by the person who desires to undertake the proposed activity (applicant) or it may be signed by the person who desires to undertake the proposed activity (applicant) or it may be signed by the person who desires to undertake the proposed activity (applicant) or it may be signed by flux or it may be signed by the person who desires to undertake the more than \$10,000 or imprisoned not more than \$10,000 or imprisoned not more than \$10,000 or imprisoned	24. Is Any Portion	of the Work Already Complet	le? ∐Yes ⊠No IF \	/ES, DESCRIBE THE CON	IPLETED WORK		
a. Address- Hines Donald ET UX - 301 4TH Street City - Gien Dale State - West Virginia Zip - 26038 b. Address- Gossett Lance J ET UX - RD I BOX 428 A City - Moundsville State - West Virginia Zip - 26041 City - Moundsville State - West Virginia Zip - 26041 City - Moundsville State - West Virginia Zip - 26041 City - Moundsville State - West Virginia Zip - 26041 d. Address- City - State - Zip - B. List of Other Certificates or Approvate/Denials received from other Federal, State, or Local Agencies for Work Described in This Application. AGENCY TYPE APPROVAL - IDENTIFICATION DATE APPLIED DATE APPROVED DATE APPROVED DATE APPROVED DATE APPROVED DATE APPROVED DATE APPROVED AGENCY TYPE APPROVAL - Not yet assigned January 2017 Pending VDEP Horizontal 6A Well P Not yet assigned January 2017 Pending VDEP Wetland Waiver Not yet assigned January 2017 Pending VDEP Wetland Waiver Not yet assigned January 2017 Pending VDEP Wetland Waiver Not yet assigned January 2017 Pending VDEP Wetland Waiver Not yet assigned January 2017 Pending VDEP Wetland Waiver Not yet assigned January 2017 Pending VDEP Wetland Waiver Not yet assigned January 2017 Pending VDEP Wetland Waiver Not yet assigned January 2017 Pending VDEP Wetland Waiver Not yet assigned January 2017 Pending VDEP Wetland Waiver Not yet assigned January 2017 Pending VDEP Wetland Waiver Not yet assigned January 2017 Pending VDEP Wetland Waiver Not yet assigned January 2017 Pending VDEP Wetland Waiver Not yet assigned January 2017 Pending VDEP Wetland Waiver Not yet assigned January 2017 Pending VDEP Wetland Waiver Not yet assigned January 2017 Pending VDEP Wetland Waiver Not yet assigned January 2017 Pending VDEP Wetland Waiver Not yet assigned January 2017 Pending VDEP Wetland Waiver Not yet assigned January 2017 Pending VDEP Wetland Waiver Not yet assigned January 2017 Pending VDEP Wetland Waiver Not yet assigned January 2017 Pending Wetland Waiv							
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10125 MASON DIXON HIGHWAY BURTON, WV 26562 PHONE: (304) 662-6486 CHEVRON APPALACHIA, LLC 800 MOUNTAIN VIEW DRIVE SMITHFIELD, PA 15478

LEGEND

☆ – WELL LOCATION

ACTIVE WELL

PLUGGED WELL

PERMITTED WELL

HINES AREA OF REVIEW MAP MARSHALL COUNTY WASHINGTONE STRICT Office TO VIRGINIA

TOPO QUAD: MOUNDSVILLE, WY

SCALE: 1"A ER3000' 2017 DATE: MARCH 2, 2017

WV Department of Environmental Prosection

WW-6B (04/15)

API NO. 47	
OPERATOR WELL NO. Hines M09H	
Well Pad Name: Hines	

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

1) Well Opera	tor: Chevron	Appalachia	, LLC	49449935	Marshall	Washing	Moundsville, WV
				Operator ID	County	District	Quadrangle
2) Operator's \	Well Number:	Hines M09H	<u> </u>	Well Pac	d Name: Hines		
3) Farm Name	/Surface Owne	Donald Hines a	and Wanda	L. Hines Public Roa	nd Access: Rou	te 38/Can	npbell Hill Road
4) Elevation, c	urrent ground:	1125'	El	evation, proposed	post-construction	on: 1125'	
5) Well Type	(a) Gas X	<u> </u>	Oil	Unde	erground Storag	ge	
	Other _						
	(b)If Gas	Shallow 2	(Deep			
	1	Horizontal 🔰	<u> </u>			O_{4}	3/26/17
6) Existing Page	-			**	_	U	3/26/17
-	arget Formatio 260' GL, 50' an		, Antici	ipated Thickness a	•	` ,	
8) Proposed To	otal Vertical D	epth: 6260			47	3	
9) Formation a	t Total Vertica	al Depth: Ma	arcellus		U	15 y	
10) Proposed 7	Total Measured	d Depth: <u>17</u>	491			9570	⁷ 0
11) Proposed I	Horizontal Leg	Length: 96	41				
12) Approxima	ate Fresh Wate	r Strata Deptl	ıs:	360' GL			
13) Method to	Determine Fre	sh Water Dep	oths: 1	.5 mi radius offset	wells, freshwater	wells, and	freshwater base level
14) Approxima	ate Saltwater D	Depths: <u>840',</u>	1620',	and 1961' GL			
15) Approxima	ate Coal Seam	Depths: 360	' and 6	35' GL			
16) Approxima	ate Depth to Po	ossible Void (coal mi	ne, karst, other):	NA - solid coal	anticipate	ed
17) Does Prope directly overly				ns Yes X	No		
(a) If Yes, pro	ovide Mine Inf	fo: Name:	Irelan	d Mine			
		Depth:	635' (GL			
		Seam:	Pittsb	urgh Coal		REG	EIVED Oil and Gas
		Owner:	Murra	y Energy Corpor	ration		
						ΛPR	2 4 2017

W	W	-6	В
(0	4/	15)

API NO. 47	
OPERATOR WELL NO). Hines M09H
Well Pad Name: Hine	es

18)

CASING AND TUBING PROGRAM

TYPE	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	17,491	17,491	2,358
Tubing							
Liners							

JN 3/26/17

ТҮРЕ	Size (in)	Wellbore Diameter (in)	Wall Thickness (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							

		47n -	
	<u>PACKERS</u>	** 0 3 7 0	1934
Kind:			
Sizes:			
Depths Set:			REGEIVED
		0	ffice of Oil and Gas

APR 24 2017

WV Department of Environmental Protection Page 2 of 3 08/18/2017

WW-6B	}
(10/14)	

.PI NO. 47	
OPERATOR WELL NO.	Hines M09H
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.

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 mud properties are achieved.

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*Note: Attach additional sheets as needed.

WV Department of Environment of Province The Control of The Contro

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

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₩ Hines M09H										
Washington Twp, Marsh	zell Co, WV		-					Ground	Level Elev. (ft above SL):	1,120
DRILLING FLUID / BIT TYPE / TFA	CENTRALIZER PROGRAM	CASING SIZE / FORMATION	DEI MD (FT)	TVD (FT)	WELLHEAD DESIGN		HOLE SIZE (IN)		CASING SPECS	CEMENT PROGRAM
Core Barrel / Auger	2 Bowspring per Ji	20" Conductor	60	so 2	INC AZM	W. Charles	26		Conductor 20" API 5L Minimum 40 ft from GL or	Grout to Surface
	Bow Spring: (1) on shoe track w' stop collar & (1) per it over coupling to surface							,	Surface Casing 13-3/8" 54.5# J-55 BTC 0.380" Wall Coupling OD (in) 14.1 ID (in) 12.4 ID (in) 12.4 ID (in) 12.5 ID (in) 13.7 ID (in) 14.1 ID (in) 13.7 ID (in)	Surface Blend (Class A) Cement to Surface 375 515 529 330
	Bow Spring: (1) on shoe track w' stop collar & (1) per 3 its over coupling	13-3/8" Casing	1,658				17.6 2.375 -	Yi	Intermediate Casing	Intermediate (I Blend (Class A) Cement to Surface 325 335 79 50 80
	Bow Spring: (1) per every other it over coupling SpiraGlider or Centek: (1) per it of cag to KOP								Production Casing	78 53 60 90
										GEIVED Oil and Gas
Non-Conservation	Float Equip. Float Equip.	5-1/2" Casing	12,677 - 20,778			8	.75 - 8.5		APF	2 4 2017

			Hines	Pad Area of	Review		s u	ä	*c
Well ID	Prior Operator On Record	Operator - DEP	Status	Latitude	Longitude	Vertical TD	Producing Formation	Producing Zones NOT	Perforated
47-051-00860	CNX Gas Company LLC	CNX Gas Company LLC	Active	39.908767	-80.686817	840'	Rittsburgh Sean®	None 4 2 2	E C
47-051-01263	Chevron Appalachia, LLC	Chevron Appalachia, LLC	Active	39.892007	-80.681121	Unknown	thknown 22	None	To 3
47-051-00554	Kentucky Central & Co.	Unknown	Plugged	39.888303	-80.677210		Rottsville + -	None D & &	20 6
47-051-01854	Chevron Appalachia, LLC	Chevron Appalachia, LLC	Permitted	39.909336	-80.691893	6317 ш	Marcellus Q ti	None L o A	0
47-051-01856	Chevron Appalachia, LLC	Chevron Appalachia, LLC	Permitted	39.909383	-80.691856	6317'	Marællus 0	None	3 2
47-051-01857	Chevron Appalachia, LLC	Chevron Appalachia, LLC	Permitted	39.909430	-80.691819	6317'	Marcellus> 5	None O	>
47-051-01858	Chevron Appalachia, LLC	Chevron Appalachia, LLC	Permitted	39.909477	-80.691782	6317'	Marcellus 5	None	LL:

API Number 47 -	4	
Operator's Well No. Hind	es M09H	

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 V
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
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
-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust)
-Landfill or offsite name/permit number? Arden Landfill #100172, South Hills Landfill #100592, Short Creek Landfill #WV0109517
Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action. I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment. Company Official Signature **Company Official Signature**
Company Official (Typed Name) Jenny Hayes
Company Official Title Permitting Team Lead Office of Oil and Gas
Subscribed and swom before me this 13th day of March , 20 17 COMMONWEALTH OF PENNSYLVAN
Notary Public Sept. 2, 2018 Notary Public Smithfield Foro Applied Sounty My commission expires Sept. 2, 2018 My commission expires Sept. 2, 2018

08/18/2017

Proposed Revegetation Treatment:	Acres Disturbed 11.6 acres	Preveg etation p	Per soils testing report
Lime 3 T	ons/acre or to correct to pH		
Fertilizer type 10-20-20			
Fertilizer amount 300	lbs/	acre /acre	
Mulch 3, 5 for winter st	tabilizationTons/ac	re	
	Seed I	<u> Mixtures</u>	
Temporar	у	Perma	anent
Seed Type	lbs/acre	Seed Type	lbs/acre
see attached		see attached	
Photocopied section of involved 7.5' Plan Approved by: Comments:	topographic sheet.	470570	
		075	
			*
			J.
			J.
			J +
			J _f
			RECEIVE Office of Oil ar
Title: Oil + Gas lusp	sactor	Date: 3/27/17	RECEIVE Office of Oil ar

			SEED	MIXTURES			
Temporary			Perman	ent		Permanent	
Seed Type		lbs/acre	Seed Type	lbs/acre		Seed Type	lbs/acre
Annual Ryegrass	or	50	Non Agricultural Upland		and	Hayfield, Pastureland, and Cropland	
Winter Wheat		75	Tall Fescue	100		Orchard Grass	80
			Perennial Ryegrass	33		Timothy	80
			Ladino Clover	18		Birdsfoot - Trefoil	20
			Birdsfoot - Trefoil	18		Ladino Clover	20
			Red Top	6			

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Chevron

Appalachian LLC WV Well Site Safety Plan

Pad: Hines Pad A Well # M06H

JN 3/26/17

1256 Campbell Hill Road

Moundsville, WV 260410 5 1 0 1 9 3 1

Washington District

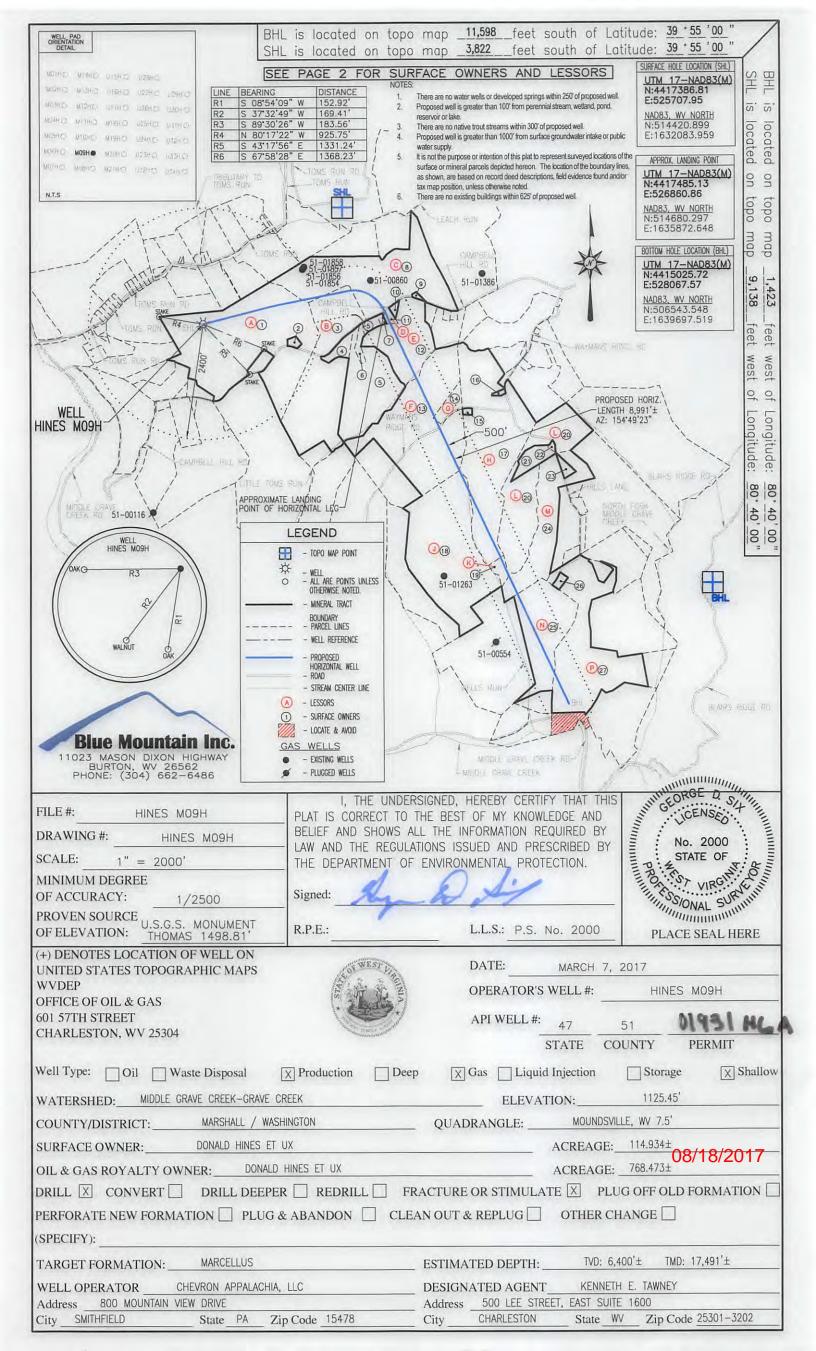
Marshall County, WV

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

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WV Department of Environment 8/2017



HINES M09H PAGE 2 OF 2

	LESSOR	DIST-TM/PAR
Α	DONALD HINES ET UX	14-12/30
В	PATRICIA S. HOSKINS	14-12/31
С	OKEY L. RINE JR.	14-11/1
D	CARL A. COCHRAN ET UX	14-11/16.1
E	FRANCIS TURNER ET UX	14-11/2
F	PATRICIA C. LINDGREN	14-11/14
G	PATRICIA C. LINDGREN	14-11/14.1
Н	ELLEN I. HEATH	14-11/13
	COLLEEN MCLAIN MOORE	
J	JAMES J. CAVENEY ET UX	14-13/8
K	ELLEN I. HEATH ET AL	14-11/12
L	ELLEN I. HEATH	14-11/11
	COLLEEN MCLAIN MOORE	
М	DENNIS W. CROW ET UX	14-11/11.3
N	DENNIS W. CROW ET UX	14-13/11
P	BARBARA BEVERIDGE	14-13/13
	DAVID L. BEVERIDGE ET UX	

	SURFACE OWNER	DIST-TM/PAR
1	DONALD HINES ET UX	14-12/30
2	TERRY L. DERROW ET UX	14-12/30.3
3	PATRICIA SUE HOSKINS	14-12/31
4	EARNEST L. ROBERTS ET UX	14-12/31.1
5	PAUL E. & BRENT L. SHIPLEY	14-11/16
6	BRENT L. & LORI L. SHIPLEY	14-11/16.3
7	JODY L. & ERIC M. WADE	14-11/16.2
В	OKEY L. RINE JR.	14-11/1
9	STEVEN M. LAVENSKI	14-11/1.1
10	FRANCIS D. TURNER ET UX	14-11/2.1
1.1	CARL A. COCHRAN ET UX	14-11/16.1
12	D. FRANCIS TURNER ET UX	14-11/2
13	COUNTRY ROADS PROPERTIES LLC	14-11/14
14	DONALD A. & PATTIANNE PARSONS	14-11/14.1
15	QUAY A. HORNER, ET UX	14-11/13.1
16	COLLEEN MCCLAIN	14-11/13.2
17	JOHN D. & WM K. HEATH ESTS	14-11/13
18	JAMES J. CAVENEY ET UX	14-13/8
19	WM K. & JOHN D. HEATH ESTS	14-11/12
20	JOHN D. & WM K. HEATH ESTS	14-11/11
21	CHAD E. FRANCIS	14-11/11.2
22	KATHLEEN I. FRANCIS	14-11/11.1
23	DARYL A. CROW	14-11/11.4
24	DENNIS W. & DONNA CROW	14-11/11.3
25	DENNIS W. CROW ET UX	14-13/11
26	DAVID LEE BEVERIDGE ET UX	14-13/13.1
27	DAVID LEE BEVERIDGE	14-13/13

SURFACE HOLE LOCATION (SHL)

UTM 17-NAD83(M)
N:4417386.81
E:525707.95

NAD83, WV NORTH N:514420.899 E:1632083.959 APPROX. LANDING POINT

UTM 17—NAD83(M)

N:4417485.13

E:526860.86

NAD83, WV NORTH N:514680.297 E:1635872.648 UTM 17-NAD83(M) N:4415025.72 E:528067.57

NAD83, W NORTH N:506543.548 E:1639697.519

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

470510193

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

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

WV Division of Water and Waste Management

WV Division of Natural Resources WV Division of Highways

U.S. Army Corps of Engineers

U.S. Fish and Wildlife Service

County Floodplain Coordinator

APR 24 2017

Office of Oil and Gas

WV Department of Environmental Protection

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

Well Operator: Chevron Appalachia, LLC

By:

Its: Permitting Team Lead

Page 1 of 3

HINES MO9H

HINES MU9H							
Plat ID	Lessor	Lessee	Royalty	Book/Page	Assignment #1	Assignment #2	Assignment #3
14-0012-0030-0000-0000	HINES DONALD ET UX	CHEVRON U.S.A. INC.	0.160	774/290	N/A	N/A	N/A
14-0012-0031-0000-0000	HOSKINS PATRICIA S	CHEVRON U.S.A. INC.	0.150	655/564	N/A	N/A	N/A
14-0011-0001-0000-0000	RINE OKEY L JR	CHEVRON U.S.A. INC.	0.160	1366613	N/A	N/A	N/A
14-0011-0016-0001-0000	COCHRAN CARL A ET UX	CHEVRON U.S.A. INC.	0.150	815/130	N/A	N/A	N/A
14-0011-0002-0000-0000	TURNER FRANCIS ET UX	TRIENERGY, INC.	0.125	677/471	21/531 TRIENERGY, INC. to AB RESOURCES LLC	24/466 AB RESOURCES LLC to CHIEF EXPLORATION & DEVELOPMENT, LLC	25/1 CHIEF EXPLORATION & DEVELOPMENT, LLC to CHEVRON U.S.A. INC.
14-0011-0014-0000-0000	LINDGREN PATRICIA C	TRIENERGY, INC.	0.160	691/102	23/74 TRIENERGY, INC. to NPAR, LLC	24/490 NPAR, LLC to CHIEF EXPLORATION & DEVELOPMENT, LLC	25/1 CHIEF EXPLORATION & DEVELOPMENT, LLC to CHEVRON U.S.A. INC.
14-0011-0014-0001-0000	LINDGREN PATRICIA C	TRIENERGY, INC.	0.160	691/102	23/74 TRIENERGY, INC. to NPAR, LLC	24/490 NPAR, LLC to CHIEF EXPLORATION & DEVELOPMENT, LLC	25/1 CHIEF EXPLORATION & DEVELOPMENT, LLC to CHEVRON U.S.A. INC.
14-0011-0013-0000-0000	HEATH ELLEN I	NPAR, LLC	0.170	701/142	24/466 NPAR, LLC to CHIEF EXPLORATION & DEVELOPMENT, LLC/ RADLER 2000	25/1 CHIEF EXPLORATION & DEVELOPMENT, LLC to CHEVRON U.S.A. INC.	756/332 NPAR, LLC to CHEVRON U.S.A. INC.
14-0011-0013-0000-0000	MOORE COLLEEN MCLAIN SFX	NPAR, LLC	0.170	701/140	24/466 NPAR, LLC to CHIEF EXPLORATION & DEVELOPMENT, LLC/ RADLER 2000	26/130 CHIEF EXPLORATION & DEVELOPMENT, LLC to CHEVRON U.S.A. INC.	756/332 NPAR, LLC to CHEVRON U.S.A. INC.
14-0013-0008-0000-0000	CAVENEY	TRIENERGY, INC.	0.125	663/497	20/252 TRIENERGY, INC. to AB RESOURCES LLC	24/319 AB RESOURCES LLC to CHIEF EXPLORATION & DEVELOPMENT, LLC	25/1 CHIEF EXPLORATION & DEVELOPMENT, LLC to CHEVRON U.S.A. INC.
14-0011-0012-0000-0000	HEATH ELLEN I ET AL	CHEVRON U.S.A. INC.	0.160	811/396	N/A	N/A	N/A
14-0011-0011-0000-0000	HEATH ELLEN I	TOPAR, LLC	0.170	701/142	C24/466 NPAR, LLC to GHIEF EXPLORATION & DEVELOPMENT, LLC/ RADLER 2000	25/1 CHIEF EXPLORATION & DEVELOPMENT, LLC to CHEVRON U.S.A. INC.	756/332 NPAR, LLC to CHEVRON U.S.A. INC.
14-0011-0011-0000-0000	MOORE COLLEEN MCLAIN SFX	CONFORR II C. W	10.170	701/140	24/466 NPAR, LLC to CHIEF EXPLORATION & DEVELOPMENT, LLC/ RADLER 2000	26/130 CHIEF EXPLORATION & DEVELOPMENT, LLC to CHEVRON U.S.A. INC.	756/332 NPAR, LLC to CHEVRON U.S.A. INC.
14-0011-0011-0003-0000	CROW DENNIS W ET UX	CHEVREN U.S. T. INC.	0.180	853/249	N/A	N/A	N/A
14-0013-0011-0000-0000	CROW DENNIS W ET UX	CHOVIGEN U.S CINC.	0.180	853/249	N/A	N/A	N/A
		Dermous Jasont of CHERON	v	2			

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	Assignment #3	25/105 CHIEF EXPLORATION & DEVELOPMENT, LLC to CHEVRON U.S.A. INC.	N/A	
	Assignment #2	24/319 AB RESOURCES LLC to CHIEF EXPLORATION & DEVELOPMENT, LLC	N/A	
М09Н	Assignment #1	19/623 TRIENERGY, INC. to AB RESOURCES LLC	N/A	
HINES M09H	Book/Page	356/631 & 748/19;	844/483	
	Royalty	0.125	0.180	
	Lessee	TRIENERGY, INC.	CHEVRON U.S.A. INC.	RECEIVED Office of Gil and Gas APR 2 4 2017 WV Department of Environmental Protection
	Lessor	BEVERIDGE BARBARA	BEVERIDGE DAVID LET UX	
	lat ID	013-0000-0000		08/18



April 12, 2017

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

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

4705101971

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APR 2 4 2017

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

Date of Notice Certification: 04/13/2017			No. 47	
		Oper	ator's Well No. Hine	s M09H
		Well	Pad Name: Hines	
Notice has b				
	e provisions in West Virginia Code	§ 22-6A, the Operator has provided t	the required parties v	vith the Notice Forms listed
State:	tract of land as follows:	P4		
County:	West Virginia Marshall	UTM NAD 83 Easti		
District:	Washington	Public Road Access:	Route 38/Campb	ell Hill Road
Quadrangle:	Moundsville, WV 7.5'	Generally used farm na		en Hill Noau
Watershed:	Middle Grave Creek - Grave Creek	Concludy used farm ha		
prescribed by it has provide information re of giving the requirements Virginia Code	West Virginia Code § 22-6A-7(b), the secretary, shall be verified and set the owners of the surface described and the owners of the surface described and (c), set surface owner notice of entry to surface owner notice of entry to surface owner notice of subsection (b), section sixteen of \$22-6A-11(b), the applicant shall thave been completed by the applicant	hall contain the following information bed in subdivisions (1), (2) and (4) ection sixteen of this article; (ii) that ervey pursuant to subsection (a), see if this article were waived in writing ender proof of and certify to the sec	on: (14) A certificati b, subsection (b), sec the requirement was ction ten of this arti g by the surface ov	on from the operator that (i) ction ten of this article, the deemed satisfied as a result cle six-a; or (iii) the notice vner; and Pursuant to West
that the Ope	West Virginia Code § 22-6A, the Oprator has properly served the require		tice Certification	OOG OFFICE USE ONLY
☐ 1. NOT	FICE OF SEISMIC ACTIVITY or	■ NOTICE NOT REQUIRED B SEISMIC ACTIVITY WAS CON		☐ RECEIVED/ NOT REQUIRED
☐ 2. NO	FICE OF ENTRY FOR PLAT SURV	YEY or 🔳 NO PLAT SURVEY W	AS CONDUCTED	☐ RECEIVED
■ 3. NOT	FICE OF INTENT TO DRILL or	☐ NOTICE NOT REQUIRED B NOTICE OF ENTRY FOR PLAT WAS CONDUCTED or		☐ RECEIVED/ NOT REQUIRED
		☐ WRITTEN WAIVER BY SU (PLEASE ATTACH)	JRFACE OWNER	
■ 4. NOT	FICE OF PLANNED OPERATION	1700		☐ RECEIVED
■ 5. PUB	BLIC NOTICE	705:070		□ RECEIVED
■ 6. NOT	TICE OF APPLICATION	~	REG	RECEIVED
Dogwined As	440 alb an 4a.		Office of	Oil and Gas

Required Attachments:

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

Certification of Notice is hereby given:

Well Operator: Chevron Appalachia, LLC

By:
Its: Permitting Team Lead

Telephone: 724-564-3755

Smithfield, PA 15478 Facsimile: 724-564-3894

Email:

Address:

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	13th day of	A	pril	201

800 Mountain View Drive

Kristen Brooks

Notary Public

My Commission Expires_

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

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REGEIVED
Office of Oil and Gas

APR 24 2017

WW-6A (9-13)

API NO. 47	
PERATOR WELL	NO. Hines M09H
Well Pad Name: Hine	es

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

Notice Time Requirement: notice shall be provided no later the	an the filing date of permit application.
Date of Notice: <u>3/16/1</u> 7 Date Permit Application Filed: <u>4</u> Notice of:	<u> 20 1</u> 7
PERMIT FOR ANY CERTIFICATE OF API WELL WORK CONSTRUCTION OF	PROVAL FOR THE AN IMPOUNDMENT OR PIT
Delivery method pursuant to West Virginia Code § 22-6A-10	O(b)
☐ PERSONAL ☐ REGISTERED ☑ METH	IOD OF DELIVERY THAT REQUIRES A
	IPT OR SIGNATURE CONFIRMATION
the surface of the tract on which the well is or is proposed to be loc oil and gas leasehold being developed by the proposed well work, i described in the erosion and sediment control plan submitted pursus operator or lessee, in the event the tract of land on which the well p more coal seams; (4) The owners of record of the surface tract or travell work, if the surface tract is to be used for the placement, constrimpoundment or pit as described in section nine of this article; (5) A have a water well, spring or water supply source located within one provide water for consumption by humans or domestic animals; and proposed well work activity is to take place. (c)(1) If more than threse subsection (b) of this section hold interests in the lands, the applicate records of the sheriff required to be maintained pursuant to section provision of this article to the contrary, notice to a lien holder is not Code R. § 35-8-5.7.a requires, in part, that the operator shall also pwater purveyor or surface owner subject to notice and water testing	the tenants in common or other co-owners of interests described in the 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 as provided in section 15 of this rule.
☑ Application Notice ☑ WSSP Notice ☑ E&S Plan Notice	☑ Well Plat Notice is hereby provided to:
SURFACE OWNER(s)	COAL OWNER OR LESSEE
Name: Donald Hines and Wanda L Hines	Name: Consol Mining Company LLC
Address: 301 4th Street Glen Dale, WV 26038	Address: 1000 Consol Energy Drive Canonsburg, PA 15317
Name:	COAL OPERATOR
Address:	
addicss.	Name:Address:
SURFACE OWNER(s) (Road and/or Other Disturbance)	Address.
	SURFACE OWNER OF WATER WELL
Name:	
Address:	AND/OR WATER PURVEYOR(s)
Namo	Name: see attached
Name:	Address:
Address:	TOPER ATTOR OF ANY MATTER AND
- CLIDEA CE ONDIED() (I	OPERATOR OF ANY NATURAL GAS STORAGE FIELD
SURFACE OWNER(s) (Impoundments or Pits)	Name: Office of Oil and Gas
Name:	Address: Unice of Oil and Gas
Address:	
	*Please attach additional forms if necessary APR 2 4 2017

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 $\sqrt{}$

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Office of Oil and Gas

APR 24 2017

WW-6A (8-13)

API NO. 47	
OPERATOR WELL NO.	Hines M09H
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 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Well Location Restrictions

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

WW-6A	
(8-13)	

API NO. 47	
OPERATOR WELL	NO. Hines M09H
Well Pad Name: Hins	es

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

Water Well Testing:

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

Water Testing Laboratories:

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

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

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

Written Comment:

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

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

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Office of Oil and Gas

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

WV Department of Environmental Procedure 2017

WW-6A (8-13)

API NO. 47	
OPERATOR WELL NO.	Hines M09H
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 http://www.dep.wv.gov/oil-and-gas/Horizontal- Permits/Pages/default.aspx and the applicant will automatically be forwarded an email notice that such comments have been submitted. The applicant will be expected to provide a response to comments submitted by any surface owner, water purveyor or natural gas storage operator noticed within the application.

Permit Denial or Condition

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

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

rules promulgated hereunder, which time may not be unreasonable.

(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

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.

prescribed by the secretary pursuant to the provisions of subdivisions (1) and (2), subsection (a), section five of this article and the

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APR 24 2017

WW-6A
(8-13)

API NO. 47OPERATOR WELL NO. Hines M09H
Well Pad Name: Hines

Notice i	s here	by gi	ven	by:
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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 deprivacyofficer@wv.gov.

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 13th day of March 2017.

Kusten Brouco Notary Public

My Commission Expires Sept. 2, 2018.

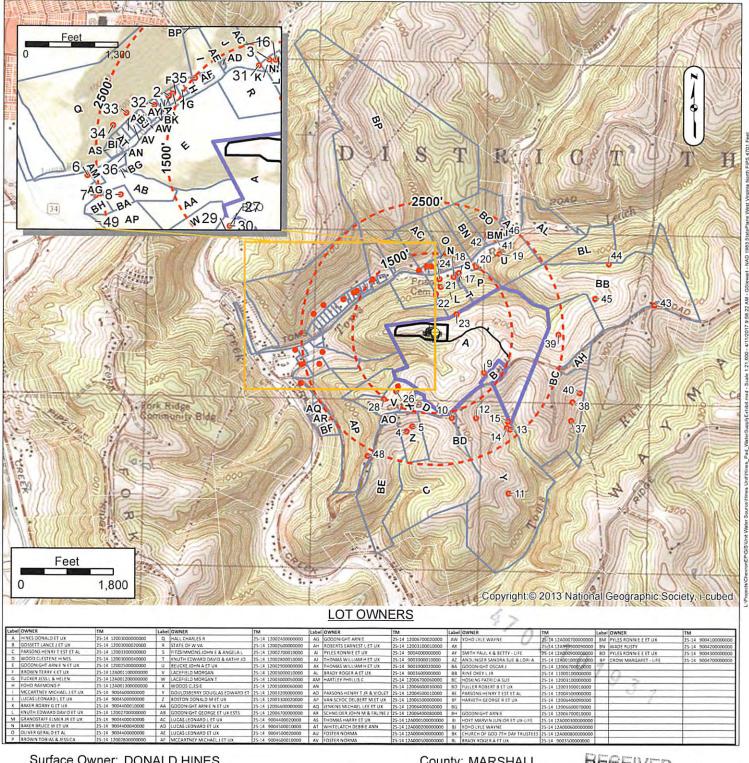
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Office of Oil and Gas

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

County: MARSHALL

Township: MOUNDSVILLE WWW of Oil and Gas

GROUNDWATER & ENVIRONMENTAL

Surveyor: SERVICES, INC.

Address: 301 COMMERCE PARK DR

CRANBERRY TOWNSHIP PATISOSS 1

Phone: 800-267-2549 Ironmenta





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	304-845-8505	
7	GOODNIGHT, ARNIE N.	Well 654 102 GOODNIGHT LANE		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	Ноэм	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	2,357	2,368
15	39°54'05.810" N 80°41'37.546" W	2,306	2,295	2,285	2,274	2,253	2,264	2,274	2,285

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Office of Oil and Gas

APR 2 4 2017

WV Department of Environmenta 87120017





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	Spring 752 899 TOM		304-845-6315	
20	HARDING, JODI L. & TERRY A.	Stream	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	304-845-751	
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	Н07М	H08M	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	1,192	1,205	1,218

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APR 2 4 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	M80H	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

REGEIVED Office of Oil and Gas

APR 2 4 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	Н08М	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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REGEIVED
Office of Oil and Gas

APR 2 4 2017

WV Department of Environmental Bertiem 7

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.

North Comment	Danisament Notice shall be	e provided at least TEN (10) days prior to filing a	Definit application.
Notice Time R Date of Notice	e: 03/16/2017	Date Permit Application Filed: 42017	
Delivery meth	od pursuant to West Virgir	nia Code § 22-6A-16(b)	
☐ HAND	■ CERTIFIED !	MAIL	
DELIVE		ECEIPT REQUESTED	
receipt request drilling a hori: of this subsect subsection ma and if availabl	ted or hand delivery, give the zontal well: <i>Provided</i> , That it ion as of the date the notice v	t least ten days prior to filing a permit application, a surface owner notice of its intent to enter upon the notice given pursuant to subsection (a), section te was provided to the surface owner: <i>Provided, how</i> a surface owner. The notice, if required, shall inclutionic mail address of the operator and the operator	on of this article satisfies the requirements evever, That the notice requirements of this ude the name, address, telephone number,
Notice is nei	lines and Wanda L Hines	Name:	<i>_</i>
Address: 301 4	th Street		
Glen Dale, WV 26			
Notice is her	reby given:	16(b), notice is hereby given that the undersigned f drilling a horizontal well on the tract of land as for	JIIOW3.
Notice is her Pursuant to W the surface ov State: County: District: Quadrangle:	reby given: Vest Virginia Code § 22-6A-l wner's land for the purpose of West Virginia Marshall Washington Moundsville, WV 7.5'	UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name:	well operator has an intent to enter upon ollows: 525707.95 4417386.81 Route 38/Campbell Hill Road Hines
Notice is her Pursuant to W the surface ov State: County: District: Quadrangle: Watershed: This Notice Pursuant to Y facsimile nur	reby given: Vest Virginia Code § 22-6A-1 wner's land for the purpose of West Virginia Marshall Washington Moundsville, WV 7.5' Middle Grave Creek - Grave Creek e Shall Include: West Virginia Code § 22-64 mber and electronic mail add	UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name:	525707.95 4417386.81 Route 38/Campbell Hill Road Hines Iress, telephone number, and if available, and representative. Additional information of:Environmental Protection headquarters,
Notice is her Pursuant to W the surface ov State: County: District: Quadrangle: Watershed: This Notice Pursuant to M facsimile nur related to hollocated at 60	reby given: Vest Virginia Code § 22-6A-1 wner's land for the purpose of West Virginia Marshall Washington Moundsville, WV 7.5' Middle Grave Creek - Grave Creek Shall Include: West Virginia Code § 22-6A mber and electronic mail addrizontal drilling may be obta 1 57th Street, SE, Charleston,	UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: A-16(b), this notice shall include the name, add dress of the operator and the operator's authorizationed from the Secretary, at the WV Department of WV 25304 (304-926-0450) or by visiting www.d	525707.95 4417386.81 Route 38/Campbell Hill Road Hines Aress, telephone number, and if available, and representative. Additional information of Environmental Protection headquarters, lep. w. gov/oil-and-gas/pages/default.aspx.
Notice is her Pursuant to We the surface ov State: County: District: Quadrangle: Watershed: This Notice Pursuant to Ve facsimile nurrelated to how located at 60 Notice is her	reby given: Vest Virginia Code § 22-6A-1 wner's land for the purpose of West Virginia Marshall Washington Moundsville, WV 7.5' Middle Grave Creek - Grave Creek e Shall Include: West Virginia Code § 22-64 mber and electronic mail add	A-16(b), this notice shall include the name, add dress of the operator and the operator's authorized Representative Authorized Representative	525707.95 4417386.81 Route 38/Campbell Hill Road Hines Aress, telephone number, and if available, and representative. Additional information of Environmental Protection headquarters, lep. w. gov/oil-and-gas/pages/default.aspx.
Notice is her Pursuant to We the surface ov State: County: District: Quadrangle: Watershed: This Notice Pursuant to Ve facsimile nurrelated to how located at 60 Notice is her	reby given: Vest Virginia Code § 22-6A-1 wner's land for the purpose of West Virginia Marshall Washington Moundsville, WV 7.5' Middle Grave Creek - Grave Creek Shall Include: West Virginia Code § 22-6A mber and electronic mail add rizontal drilling may be obta 1 57th Street, SE, Charleston, ereby given by:	UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: A-16(b), this notice shall include the name, add dress of the operator and the operator's authorizationed from the Secretary, at the WV Department of WV 25304 (304-926-0450) or by visiting www.d	525707.95 4417386.81 Route 38/Campbell Hill Road Hines Aress, telephone number, and if available, and representative. Additional information of Environmental Protection headquarters, lep. w. gov/oil-and-gas/pages/default.aspx.
Notice is her Pursuant to W the surface ov State: County: District: Quadrangle: Watershed: This Notice Pursuant to V facsimile nur related to hor located at 60 Notice is her Well Operator	reby given: Vest Virginia Code § 22-6A-1 wner's land for the purpose of West Virginia Marshall Washington Moundsville, WV 7.5' Middle Grave Creek - Grave Creek e Shall Include: West Virginia Code § 22-64 mber and electronic mail addrizontal drilling may be obta 1 57th Street, SE, Charleston, ereby given by: Or: Chevron Appalachia, LLC 800 Mountain View Drive	A-16(b), this notice shall include the name, add dress of the operator and the operator's authorizationed from the Secretary, at the WV Department of WV 25304 (304-926-0450) or by visiting www.d	525707.95 4417386.81 Route 38/Campbell Hill Road Hines Aress, telephone number, and if available, and representative. Additional information of Environmental Protection headquarters, lep. w. gov/oil-and-gas/pages/default.aspx.
Notice is her Pursuant to W the surface ov State: County: District: Quadrangle: Watershed: This Notice Pursuant to M facsimile nur related to hollocated at 60 Notice is her Well Operato Address:	reby given: Vest Virginia Code § 22-6A-1 wner's land for the purpose of West Virginia Marshall Washington Moundsville, WV 7.5' Middle Grave Creek - Grave Creek e Shall Include: West Virginia Code § 22-64 mber and electronic mail addrizontal drilling may be obta 1 57th Street, SE, Charleston, ereby given by: Or: Chevron Appalachia, LLC 800 Mountain View Drive	A-16(b), this notice shall include the name, add dress of the operator and the operator's authorized from the Secretary, at the WV Department of WV 25304 (304-926-0450) or by visiting www.d	525707.95 4417386.81 Route 38/Campbell Hill Road Hines Aress, telephone number, and if available, and representative. Additional information of Environmental Protection headquarters, lep. w. gov/oil-and-gas/pages/default.aspx.
Notice is her Pursuant to W the surface ov State: County: District: Quadrangle: Watershed: This Notice Pursuant to V facsimile nur related to hollocated at 60 Notice is her Well Operator Address: Smithfield, PA 1	reby given: Vest Virginia Code § 22-6A-1 wner's land for the purpose of West Virginia Marshall Washington Moundsville, WV 7.5' Middle Grave Creek - Grave Creek Shall Include: West Virginia Code § 22-6A mber and electronic mail addrizontal drilling may be obta 1 57th Street, SE, Charleston, ereby given by: DT: Chevron Appalachia, LLC 800 Mountain View Drive	A-16(b), this notice shall include the name, add dress of the operator and the operator's authorizationed from the Secretary, at the WV Department of WV 25304 (304-926-0450) or by visiting www.d	525707.95 4417386.81 Route 38/Campbell Hill Road Hines Aress, telephone number, and if available, and representative. Additional information of Environmental Protection headquarters, lep. w. gov/oil-and-gas/pages/default.aspx.

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 disclosed to comply with statutory or regulatory requirements, including Freedom of Information of Information of Information of Information of Information of Information, please on the proportion of Information of Information of Information, please on the proportion of Information of Informa APR 24 2017 DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

WV Department of Environmental Prejection 17

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

		O3/16/2017 Date Pern		o later than the filing oplication Filed: <u>L</u>		application.
Deliver	y metho	od pursuant to West Virginia Co	de § 2	22-6A-16(c)	, , ,	
		ED MAIL RECEIPT REQUESTED		HAND DELIVERY		
return re the plan required drilling damages	eceipt re ned ope to be profession to of a house to the s notices re	quested or hand delivery, give the tration. The notice required by the rovided by subsection (b), section rizontal well; and (3) A proposed surface affected by oil and gas ope	surfa his su ten of surfa ration	ce owner whose land absection shall include f this article to a surfa ace use and compense as to the extent the da	will be used for de: (1) A copy ace owner whos ation agreemen mages are comp	cation, an operator shall, by certified mail or the drilling of a horizontal well notice of of this code section; (2) The information e land will be used in conjunction with the t containing an offer of compensation for pensable under article six-b of this chapter. Ited in the records of the sheriff at the time
(at the a	ddress li Oonald Hine	y provided to the SURFACE OV isted in the records of the sheriff at s and Wanda L Hines				
	, WV 26038			Address		
	t to Wes n on the M	at Virginia Code § 22-6A-16(c), not be surface owner's land for the purposest Virginia larshall viashington loundsville, W 7.5'			I well on the trace Easting: Northing: Access:	well operator has developed a planned ct of land as follows: 525707.95 4417386.81 Route 38/Campbell Hill Road Hines
This No Pursuan to be pr horizont surface information	etice Sha t to West covided al well; affected tion rela	by W. Va. Code § 22-6A-10(b) thand (3) A proposed surface use and by oil and gas operations to the sted to horizontal drilling may be proceed at 601 57th Street, SE,	o a s nd co exten obta	surface owner whose mpensation agreemer t the damages are co ined from the Secret	land will be unt containing an impensable undary, at the WV (304-926-0450)	code section; (2) The information required ised in conjunction with the drilling of a offer of compensation for damages to the er article six-b of this chapter. Additional Department of Environmental Protection or by visiting

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at deprivacyofficer@wv.gov.

ABBR22442007



WW-6AW
(1-12)

API NO.	
OPERATOR WELL NO.	Hines M09H
Well Pad Name:	Hines

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

Instructions to Persons Named on Page WW-6A

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

Comment and Waiver Provisions

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

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

VOLUNTARY STATEMENT OF NO OBJECTION 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: West Virginia State: Easting: 1,663,520.156 WVSPN NAD 27 County: Marshall Northing: District: Washington Public Road Access: MOUNDSVILLE Generally used farm name: Quadrangle: 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 514,384.289, East 1,663,520.156. 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 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** Date:

OPERATOR OF ANY NATURAL GAS STORAGE FIELD

Oil and Gas Privacy Notice:

APR 0 7 2017
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 appropriate DEP to the property of the proper

Office of Oil and Gas

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

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

Instructions to Persons Named on Page WW-6A

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VOLUNTARY STATI	EMENT OF N	O OBJEC	CTION
I, Casey V. Saunders, hereby state that I have read the Ins	structions to Persons	Named on Pa	ue WW.64 and the accordated muscinian
listed above, and that I have received copies of a Notice of Application	on, an Application fo	r a Well Worl	Permit on Form W/W/ 64 and stack-
consisting of pages one (1) through, including the erosi	ion and sediment cor	trol plan, if re	equired, and the well plat, all for proposed
well work on the tract of land as follows:		•	The set and the tren place an for proposed
State: West Virginia	WVSPN NAD 27	Easting:	1,663,520.156
County: Marshall		Northing:	514,384.289
	Public Road Access		
	Generally used farm	name:	
Watershed:			
I further state that I have no objection to the planned work descissued on those materials, provided that Chevron U.S.A. Inc. 514,384.289, East 1,663,520.156. This statement does not sea any responsibility for any damage to the well or surface fac Statement of No Objection does not waive 's Common Law	drills the well on rve as notice that ilities associated v Property Rights	WV North has waived with the wel in the State	NAD27 coordinates of North its rights to mine all the coal or accept ll by mining activity. This Voluntary of West Virginia.
*Please check the box that applies	FOR E	XECUTION	BY A NATURAL PERSON
SURFACE OWNER			0010101
	Signati	ure:	4 / 9 3 3
SURFACE OWNER (Road and/or Other Disturbance)			
	·	ate:	
SURFACE OWNER (Impoundments/Pits)			
	FOR EX	KECUTION	BY A CORPORATION, ETC.
☑COAL OWNER OR LESSEE	Compa		CONSOL Mining Company, LLC
300.200		By:	Casey V. Saunders
☑COAL OPERATOR		Its:	Senior Project Engineer
Zoole of Eld Hok			1 0/0/6
∃WATER PURVEYOR	Signatu	ıre:	losur 1- Jamos
_ WILL CONTLOR	•	ite:	4/3/2017
	1		TIDIMULI
OPERATOR OF ANY NATURAL GAS STORAGE F	IELD		
Oil and Gas Privacy Notice:			HEBEIVED

Oil and Gas Privacy Notice:

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 is an experience of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory is an experience. 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 propriately your personal propriatel have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov

API NO. 47-	
OPERATOR WELL NO.	Hines M09H
Well Pad Name: Hines	

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

Instructions to Persons Named on Page WW-6A

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Comment and Waiver Provisions

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VOLUNTARY STATEMENT OF NO OBJECTION

State:	the well plat, all for proposed well work on West Virginia	- LITM NAD 83 Easting: 525707.95				
County:	Marshall	Northing: 4417386.81				
District:	Washington	Public Road Access: Route 38/Campbell Hill Road				
Quadrangle: Watershed:	Moundsville, WV 7.5' Middle Grave Creek - Grave Creek	Generally used farm name: Hines				
*Please checl	the box that applies	FOR EXECUTION BY A NATURAL PERSON				
issued on tho	se materials.					
*Please checl	the box that applies	FOR EXECUTION BY A NATURAL PERSON				
☐ SURFACE OWNER						
□ SURFA	CE OWNER	Signature:				
	CE OWNER CE OWNER (Road and/or Other Disturb	Signature:				
□ SURFA		ance) Print Name:				
□ SURFAC	CE OWNER (Road and/or Other Disturb	FOR EXECUTION BY A CORPORATION, ETC Company: (MeVron U.S. A. Mo.				
□ SURFAC □ SURFAC □ COAL C	CE OWNER (Road and/or Other Disturb CE OWNER (Impoundments/Pits)	FOR EXECUTION BY A CORPORATION, ETC Company: (he vron u.s. A. me. By: (hoc) Fisenman				
□ SURFAC □ SURFAC □ COAL C □ COAL C	CE OWNER (Road and/or Other Disturb CE OWNER (Impoundments/Pits) OWNER OR LESSEE	FOR EXECUTION BY A CORPORATION, ETC Company: (MeVron U.S. A. Mo.				

Oil and Gas Privacy Notice:

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WV Department of Environment 8/2000 Tion

API NO. 47	
OPERATOR WELL NO.	Hines M09H
Well Pad Name: Hines	

STATE OF WEST VIRGINIA

DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

VOLUNTARY STATEMENT OF NO OBJECTION

Instructions to Persons Named on Page WW-6A

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

Comment and Waiver Provisions

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

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

VOLUNTARY STATEMENT OF NO OBJECTION

provisions lis WW-6A and required, and State: County: District: Quadrangle: Watershed:	Middle Grave Creek - Grave Creek that I have no objection to the planned work de	Notice of A ough tract of land UTM NAE Public Roa Generally t	pplication, an App , including to as follows: 83 Easting: Northing: d Access: used farm name:	blication for a Well Work Permit on Form the erosion and sediment control plan, if 525707.95 4417386.81 Route 38/Campbell Hill Road Hines
*Please check	the box that applies		FOR EXECUT	ION BY A NATURAL PERSON
□ SURFAC	CE OWNER		Signature:	A racks On
□ SURFAC	CE OWNER (Road and/or Other Disturband	ce)	Print Name: Date:	
□ SURFAC	CE OWNER (Impoundments/Pits)		Ž.	7
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□ COAL O	PERATOR		By: Its:	
₩ATER	PURVEYOR			
□ OPERA	TOR OF ANY NATURAL GAS STORAG	E FIELD	Date:	

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 pormal course of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the pormal course of our regulatory as needed to comply with statutory or regulatory requirements, including Freedom of Information AbCacous Deprice as ill 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.

APR 2 4 2017



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

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

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 M6H

Hines A Unit M7H

Hines A Unit M8H

Hines A Unit M9H - 51-01931

Hines A Unit M10H

Hines A Unit M11H

Dear Mr. Martin,

Jim Justice

Governor

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

Cc: Mandy Fordyce

Chevron Appalachia, LLC

CH, OM, D-6

File

Office of Oil and Gas

APR 24 2017

WV Department of Environmental Protection 08/198/

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

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APR 24 2017

WV Department of Environmental Proteption 2017

COMPANY TO ANY TO A

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WISS UTILITY OF WEST VIRGINIA

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EROSION AND SEDIMENT CONTROL PLAN HINES WELL SITE

CAMPBELL HILL ROAD (C.R. 38)

WASHINGTON DISTRICT, MARSHALL COUNTY, WEST VIRGINIA

WVDEP OOG

7. 31 S. 115, 2017

APPROVED

CHEVRON APPALACHIA, LLC PREPARED FOR:

800 MOUNTAIN VIEW DRIVE

SMITHFIELD, PA 15478

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GEOTECHNICAL, ENGINEER CONTACT; WICHAEL J. SHELEHEDA, EMAIL ADDRESS: mahalahadococine.com

SITE COORDINATES AND WATERSHED
START OF ACCESS ROAD
LATTUDE: 39.99495" N, LONGTUDE: 80.69336" W END OF ACCESS ROAD LATTIUDE: 80,69811" W APPROXIMATE CENTER OF WELL PAD
LATITUDE: 39,90839" N. LONGITUDE: 80,89991" W

CONIL/SITE ENGINEER CONTACT: TODO C. BALDWIN, P.E. EMAIL ADDRESS: tholdwind:eccine.com

CONSULTANTS
CONIL & EWRONMENTAL CONSULTANTS, INC.
4000 TRANCIL LIVE, SUITE 200
CEPPORT, PA 1563,2
PHONE: 724–327–5200

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STREAM AND WETLAND PERMANENT IMPACTS (SUBJECT TO USACE NATIONWIDE PERMIT 39)

UNT 1 TO TOWS CREEK (EPH) - 192 LF

WETLAND 1A (PEM) - 0.02 AC WETLAND 18 (PEM) - 0.01 AC

*BASED ON NAD 83, WEST VIRGINIA NORTH ZONE

CENTER OF ABOVE CROUND STORAGE TANK
LATTUDE: 39,90642" N, LONGITUDE: 80,70023"

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

WETLAND ZA (PEM) - 44 FT FROM LOD

WETLAND 28 (PEW) — 0.4 LF FROW LOD WETLAND 34 (PEW) — 25 LF FROW LOD WETLAND 44 (PEW) — 41 LF FROM LOD

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TOPOGRAPHY AND PROPERTY SECREMENDA PROFIDED BY BLUE MOUNTAIN NC. ADML, PHOTOGRAPHY DATED 3/31/2014.
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