

## 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 M04H

47-051-01926-00-00

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 M04H Farm Name: DONALD HINES ET UX

U.S. WELL NUMBER: 47-051-01926-00-00

Horizontal 6A / New Drill

Date Issued: 8/15/2017

Promoting a healthy environment.

API Number:	

# **PERMIT CONDITIONS**

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

# **CONDITIONS**

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

API Number	r <b>:</b>

# **PERMIT CONDITIONS**

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



## west virginia department of environmental protection

Office of Oil and Gas 601 57<sup>th</sup> Street Charleston, WV 25304 (304) 926-0450 fax (304) 926-0452 Jim Justice, Governor Austin Caperton, Cabinet Secretary www.dep.wv.gov

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

TO: Chevron Appalachia, LLC 800 Mountain View Drive Smithfield, PA 15478 DATE: August 14, 2017 ORDER NO.: 2017-W-9

# INTRODUCTION

This Order (hereinafter "Order") is issued by the Office of Oil and Gas (hereinafter "OOG"), by and through its Chief, pursuant to the authority of W. Va. Code §§ 22-1-1, 22-6-1 and 22-6A-1 et seq. to Chevron Appalachia, LLC (hereinafter "Chevron" or "Operator"), collectively the "Parties."

# FINDINGS OF THE CHIEF

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

- 1. OOG, an office within the West Virginia Department of Environmental Protection, is the agency with the duty and authority to execute and enforce W. Va. Code §22-6-1 and §22-6A-1 et seq., and the rules and regulations promulgated thereunder.
- 2. Chevron is a "person" as defined by W. Va. Code §22-6-1(n), with a corporate address as 800 Mountain View Drive, Smithfield, Pennsylvania.
- 3. 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;
- l. All records from inspections shall be maintained on site for the life of the project and be available upon request.

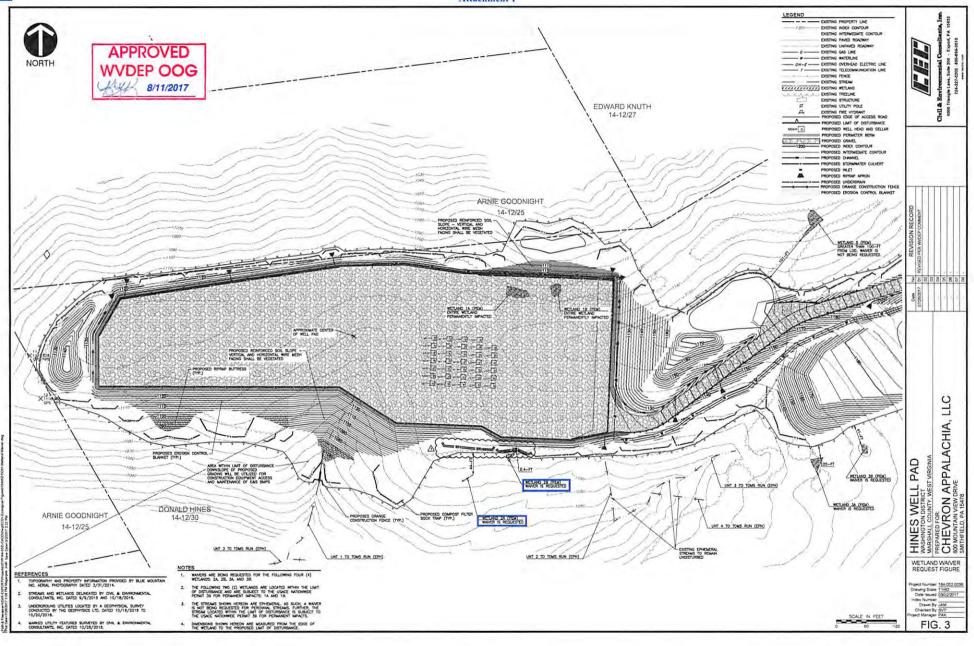
Thus ORDERED, the 14th day of August, 2017.

# IN THE NAME OF THE STATE OF WEST VIRGINIA:

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

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JAMES A. MARTIN, CHIEF





March 2, 2017

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

Dear Reviewer:

Subject: Wetland and Perennial Stream Waiver Request Form

Chevron Appalachia, LLC Hines Well Pad Project

Washington District, Marshall County, West Virginia

CEC Project 164-052

## 1.0 INTRODUCTON

On behalf of Chevron Appalachia, LLC (Chevron), Civil & Environmental Consultants, Inc. (CEC) is submitting a Wetland and Perennial Stream Waiver Request form pursuant to Chapter 22 Article 6A Section 12 of the West Virginia Code. Chevron is requesting a waiver to construct a natural gas well pad within 100 feet of four (4) palustrine emergent wetlands for their proposed Hines Well Pad Project located in Washington District, Marshall County, West Virginia.

Chevron is proposing to construct a natural gas well pad and associated access road. The total limit of disturbance (LOD) for the project is approximately 19 acres. The waiver request form is included in Attachment A. The following figures are included in Attachment B: Site Location Map, Aquatics Impact Map, and Wetland Waiver Request Figure. The Erosion & Sediment Control (E&S) Plan is included in Attachment C. Existing wetlands and streams were delineated by qualified CEC biologists on September 9, 2015 and October 18, 2016. The following section provides additional information as required by the waiver.

# 2.0 WETLAND WAIVER REQUEST

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

The proposed Hines Well Pad Project is located off Campbell Hill Road in Washington District, Marshall County, West Virginia southeast of the City of Moundsville, as shown on the Site Location Map. The project's proposed LOD is located within 100 feet of four (4) wetlands, as shown on the Aquatic Impacts Map. The approximate distance of each wetland to the hearest boundary of the LOD is as follows:

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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 Borice of Olivana Gas

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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.

Ouestion 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

Sarah V. Parker

Assistant Project Manager

SVP:KLM/jg Enclosures

cc: Jenny Hayes, Chevron Appalachia, LLC

Katie L. Moberg Project Manager Office of Oil and Gas

Office of Oil and Gas

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# ATTACHMENT A WETLAND AND PERENNIAL STREAM WAIVER REQUEST FORM

BEGEIVED Office of Oil and Gas

APR 2 4 2017

WV Department of Environmental Protection

11/3/14			
Wetland	and Perennial Stream	Waiver	Request

Well Operator: Chevron Appalachia, LLC

Well Number:

	API Number:	41-031-01476
Oj	perator's Well Number:	MOYH
	Hines Well Pad	-

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.

County, District, Quadrangle of Well Location: Marshall County, Washington District, Moundsville Quad

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.

Office of Oil and Gas

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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.

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

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

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

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

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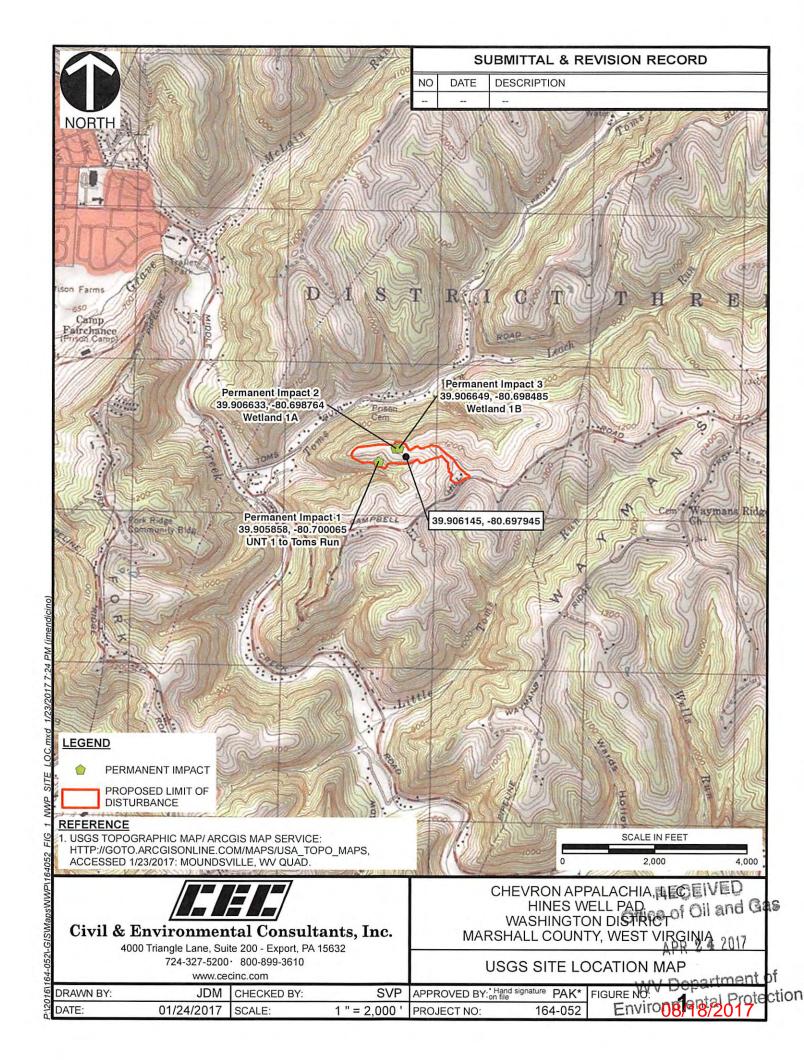
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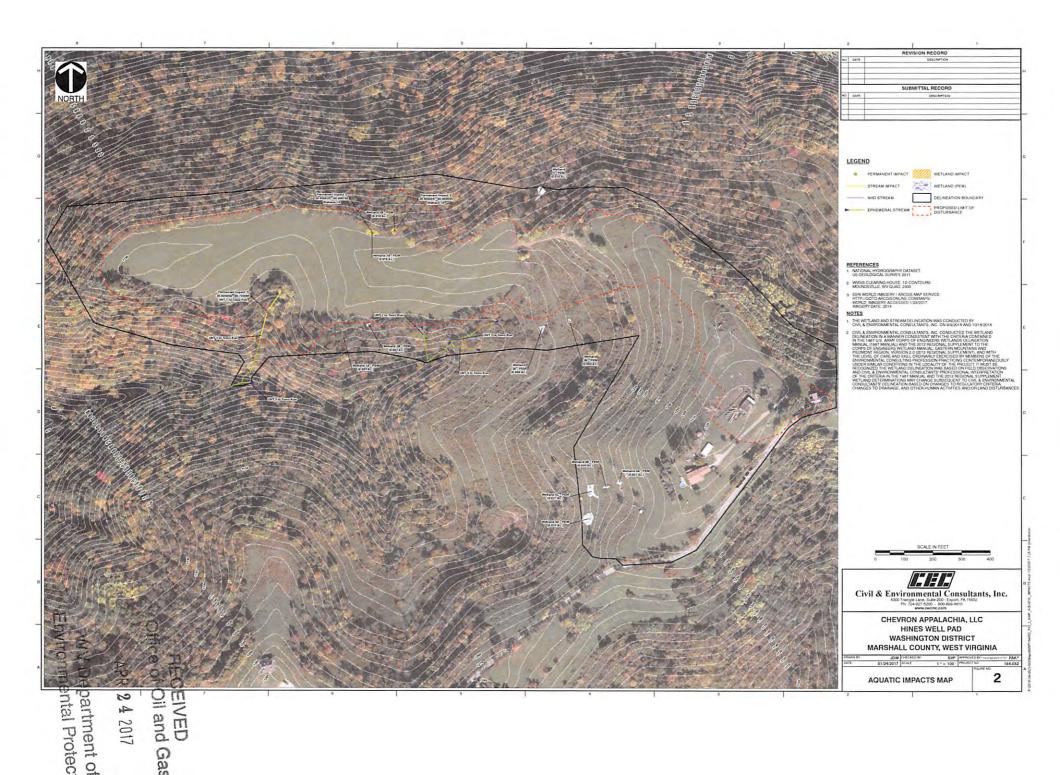
# ATTACHMENT B FIGURES

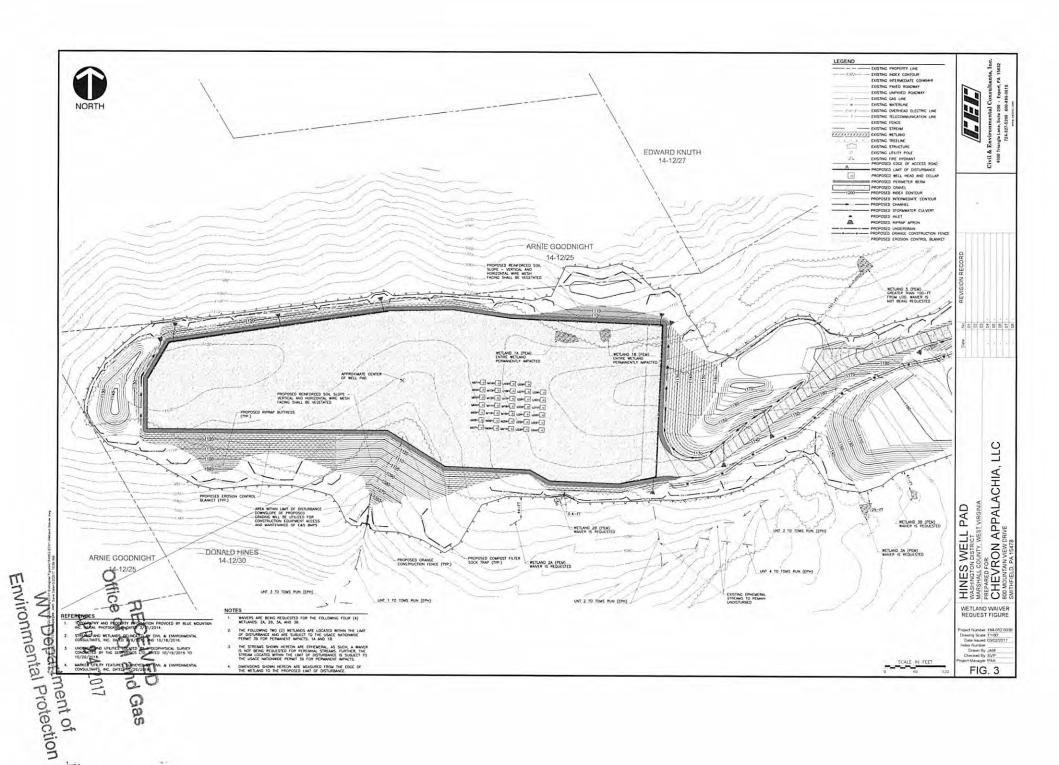
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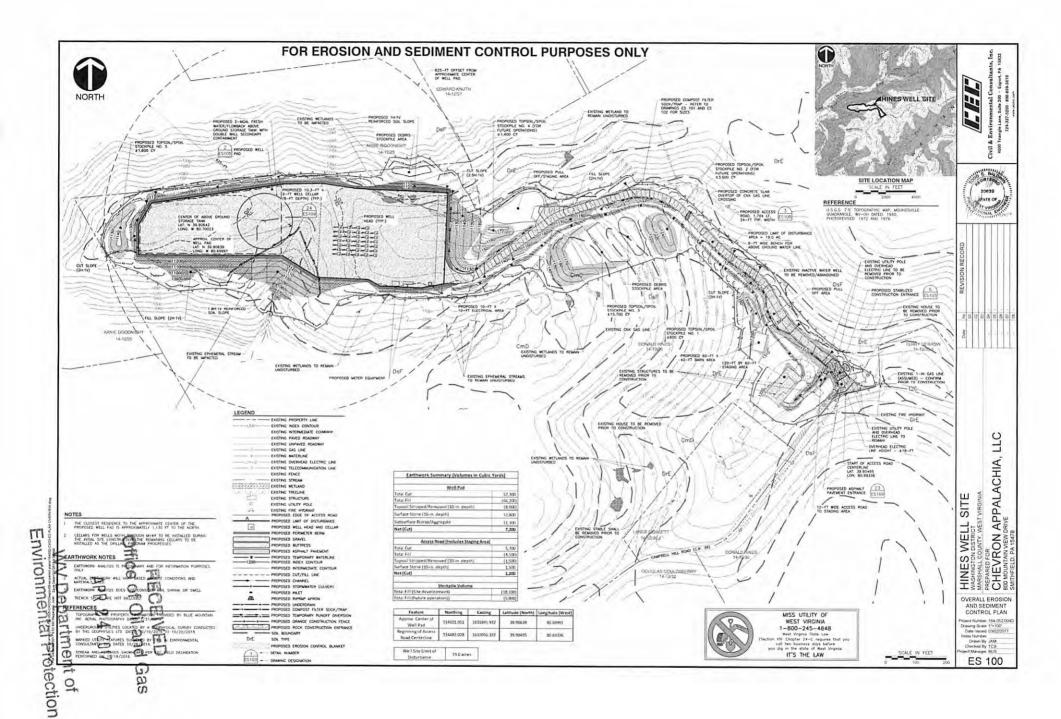


# ATTACHMENT C EROSION AND SEDIMENT CONTROL PLAN

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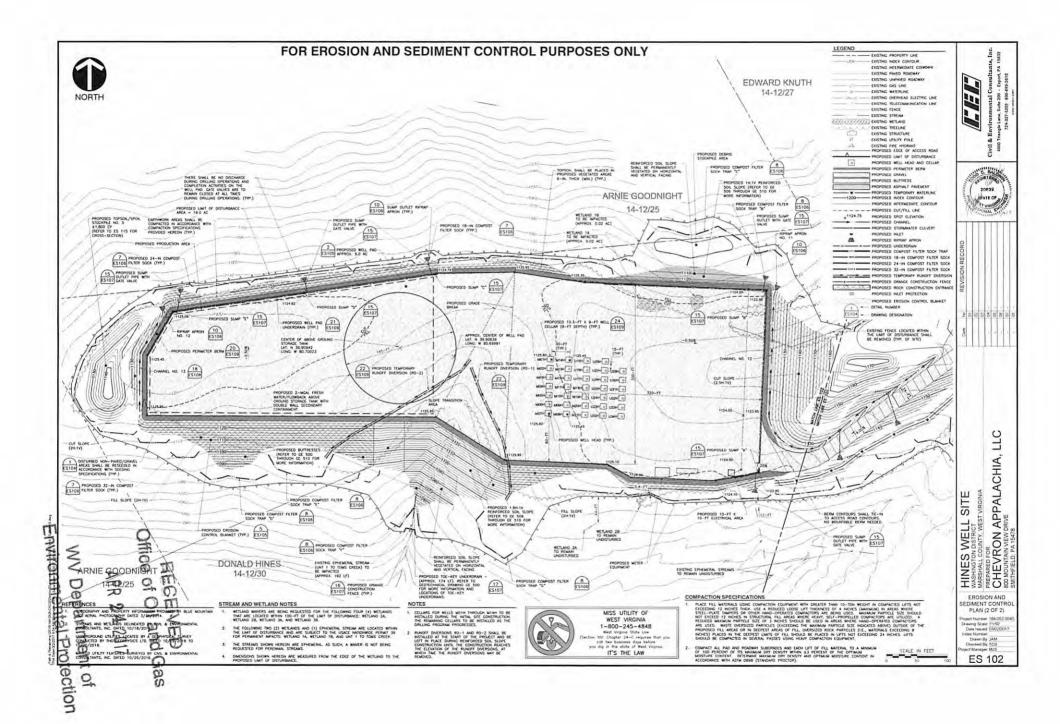
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- 4. CLEAR AND GRUE WITHIN THE LISTE OF DISTURBANCE, AND INSTALL COMPOST PLIES DICKYRAPS AT THE LOCATICAS SHOWN ON THE EAS PLANS AND IN ACCORDANCE WITH THE CONSTRUCTION DETAILS. ETOCUPILE DESIRES IN LOCATIONS SHOWN ON PLANS, OR REDUCHE MATERIAL.
- BEGIN BASK EARTHMOVING AND GRADING OPERATIONS FOR THE WELL PAD AND ACCESS ROAD. STABLIZE WITH GRAVEL BURFACE AND INSTALL CROSS DRAW PIPES, SILETS, STORMATER CONVEYANCE FACULTIES, AND CHAMBELS AS REQUIRED IN ACCORDANCE WITH THE DETAILS CHOSS DAN POPE METE STORMATE CONSTRUCT INCLINES AND COMMETS AS STORMED IN ECCORDINACY WITH THE DITALS MICHAL STORMATE CONFINCING PRINCES SHARMO OF DOMESTERME SEE AND KIND STREET WITH THE POPE PETER ACCORDING WITH THE TROUBLEST CONSTRUCT NOTALLY EXCHAITED WITHOUT BY PERFORMED OPERATION FOR MACUFAL ON MON-PROPARTED POPE STORMATED CONSTRUCT NOTALLY MITHAUTED BANKS AS PROPERTIES OF STORMATED PRODUCTIONS OF THE POPE AS MICHAEL TO FACULATE STORMATE PROPERTIES AS MICHAEL TO THE STORMATE PROPERTIES AS MICHAEL TO THE STORMATE PROPERTIES AS MICHAEL TO THE STORMATE PROPERTIES AS MICHAEL THE PROPERTY AS MICHAEL THE PROPERTIES AS MICHAEL THE PROPERTIES AS MICHAEL THE PROPERTIES AS MICHAEL THE PROPERTIES AS MICHAEL THE PROPERTY AS MICHAEL THE PROPERTIES AS MICHAEL THE PROPERTIES AS MICHAEL THE PROPERTIES AS MICHAEL THE PROPERTIES AS MICHAEL THE PROPERTY AS MICHAEL THE PROPERTIES AS MICHAEL THE PROPERTIES AS MICHAEL THE PROPERTIES AS MICHAEL THE PROPERTIES AS MICHAEL THE PROPERT SCCE PUTERS BELOW CALVERY MIS CHAMBE, CUTTALIS AS EACH IS BETALLED. ETCCUPIES TOPICIA, DESIGN, MIS PET EFORE AT LOCATIONS BIDICATED OF PLANE, OR REMOVE MITERIA, OPPORT MIS DEPOSE OF PROPERLY. EROSCOL CONTROL, BLANKET SHALL BE RETALLED AS
- COMPLETE DONSTRUCTION OF WELL AND THIP APPURIENMENT PEATURES. STABLUS BLUPES WITH SEED, MAJOH, AND MATTING AS APPROPRIATE THE WILL AND SHALL REDUN IN SPECIATION AS NEEDED.

- 1 STORM DRAM PILETS CAPANABLE DURING CONSTRUCTION SHALL BE PROTECTED SO THAT SURFACE WATER RUNOFF DOES NOT SHITER THE CONNEYANCE SYSTEM WITHOUT PREST BEING PILITERED ON TREATED TO REDNOVE SEEMACH H BOADS DIGHT BE EST CLEAR
- NLETS BHOLD BY NEPERTED WEEKLY AT A MINIMAN AND DALY DURING STORM EYENTS. BILET PROTECTION DEVICES BHOLD BE CLEANED OR REDICHED AND REPLACED BEFORE SHOULD BY REDINDIT ON INCOLABLATE

- POWER OF DISCHARGE AND RECEIVED STREAMS SHALL BE PROTECTED FROM EROSION DUE TO INCREASES IN THE VOLUME, VELOCITY AND PURAFILOWINATE OF BUSINGS. AND STREAM, PROJECT STE DESIGN AND STREAM, EARLY OF TORONATES CONFEYENCE FOR EXPECTED FLOWS.
  CONSIGER AND LOCAL GOVERNMENT RECOMPLISTED FOR EXPECTED FLOWS.

- ALL POLIZIANTS, RELICIONS WARTE MATERNAS, AND CODOLIDON DERRIES, THAT COCUR ON UTFE DARRE CONFINENCITOR DRAIL REPORT AND CONTRACTOR DRAIN CONTRACTOR DRAIN OF THE REPORT DRAIL OF CONTRACTOR DRAIN OF THE REPORT DRAIN OF containanted subfaces. Shall 82 cleaned maiediately following any discharge or spill piccodif Dierogray Repars May 82 performed on site using temporary plastic placed semeath and. If rainng

- DESEMBLY SEARS MAY SE RESONAND ON STE VIDEO TOPODARY PLATE, PLACES SHARM MAY SE AMENDA AND SESSION OF SHARMAN OR SHARMAN SHARM

## CONTROL DEVIATERING

- HONEY TURBO OR CONTAMNATED DEWATERING WATER FROM CONSTRUCTION EQUIPMENT OPERATION, ON WORK BISICE A COPPERDAM SHALL BE HANDLED SEPARATELY FROM SURFACE WATER

## MARTAN BUP

1 LIMIT PIPE EXCAVATION TO THE AMOUNT OF PIPE THAT CAN BE INSTALLED IN ONE (1) DAY

BACKFILL AND STABLIZE TRENCHES AT THE END OF EACH WORK DAY. STABLIZE WITH SUBBASE MATERIAL IN PAYEMENT AREAS AND WITH

AREA AT A GRADE LESS THAN 5 PERCENT. CHICE THE BAG IS ONE, HALF INTO PULL OF SEDBARDIT, DISPOSE SEDBARDIT AT AN APPR

PLACE EXCAVATED MATERIAL UPSLOPE OF PIPE TRENC

- PRESSO OF COUNTRECTOR: DYPLOMENT PROJECTS SHALL SE PRASED IN DOCE TO PROVIDE THE TRANSPORT OF SECURITY PROJECT CONSISTS. THE CONTRECTOR LINE SHALL SHE PROJECT CONSISTS CAN AN ARRANGE CONTRECTOR CONT
- FINAL MO THE OFF.

  COORDINATION WITH UTLETES MO OTHER CONTRACTIORS THE PREMAY PROJECT MANAGER BHALL EVALUATE,
  WITH 1997 TORMUTELITIES AND OTHER CONTRACTIONS, THE BURNESS WATER MANAGEMENT SECUREDIST FOR
  THE PRITTER PROJECT, PROJECTION OF UTLIFIES, WORSP PREPARED AND RESTAURCED AND SECURED TO A SERVE
  EMPLICATION AND MODIFICATION, ALL BIRST SHALL SERVESTED MANIFACEM ON DETARBED AN SECURE TO TO A SERVE
  EMPLICATION AND MODIFICATION OF THE PROJECT SERVESTED WATER SERVESTED WORSP SERVESTED.

  SOUTHWAST PREPARENCE OF THE AT RESPONDED MANAGEMEN SHAPPLESS MODERN SERVESTED.
- CONTRACTOR PROTOCOLOGIC OF THE SET DESCRIPTION WITHOUT SERVICE TO MEDICAL SERVICE AND ADDRESS OF THE SET DESCRIPTION OF THE SET DESCRIPTI
- MAY BE PROPORATED AND TO SAME LESS FAMELY POLITIC PULL OF RETAINED OF MAINTENANCE OF THE EAST PARK SHALL BE RETAINED OF METAL AND MAINTENANCE OF THE REVISION A PERMIT MODIFICATION MAY MEED TO BE BURNITTED TO THE DEP

THE CONSTRUCTION SITE SHOULD BE STABLESTO AS SOON AS POSSIBLE AFTER COMPLETION. ESTABLEMENT OF THE CONTRACTION HIT SHOULD BE STREETED AS SOON AS POSSIBLE AFTER COMPLICION. STREETMENDERS OF PARK CORPE MANY IS SHIPMING ON LITTE HORN OF DAYS AT THE REMOVEM FIRST, GRADER A ROTHER OF MANUEL DAYS AND ASSOCIATION OF THE STREET HAS A PROSPECT OF THE STREET HAS A PRESIDENT VIOLETAIN MANUEL DAYS AND ASSOCIATION OF THE STREET HAS A PROSPECT OF THE STREET HAS A PRESIDENT VIOLETAIN OVERT WHICH ADDITION OF THE STREET HAS SEEN STREET, AND ASSOCIATION OF THE THE RESOURCEMENT STREET, FINANCIATION OF THE STREET HAS A PROSPECT OF THE STREET HAS A PROSPECT OF THE THE STREET HAS A PROSPECT OF THE S

#### PROJECT DESCRIPTION:

PLEPOSES. THE WELL PAD WALL BE ACCESSED BY A PERMANDIT GRAVEL ROADNAY APPROXIMATELY B SAME IN LENGTH AND 24 PEET IN WOTH, MHICH WILL EXTEND FROM CAMPBELL HILL ROAD IC R. 36. TRAYEL HORTH AND WEST, AND TERMINATE AT THE PROPOSED WELL PAD. AREAS FOR TEMPORARY DESIGN STORAGE FARTHMORE SPORTS AND TOPSON STOCKIPS ASSEPTICATED AS PART OF THE SITE DESIGN

OVER AT THE SITS OCHERALLY CONSISTS OF GRAZED PARTURE, WOODS, EXISTING DWELLINGS AND APPURTDIGANT FARM STRUCTURES THE SIZE IS GENERALLY LOCATED ON A RODGE ALIGNED SOUTHWAST TO NORTHWEST WITH MCDERATELY STEEP SLOPES RANGING IN ELEVATION FROM 1040 FEET TO 1 326 FEET BASED ON AERICA, BURNEY TOPOGRAPHY PROVIDED BY BLUE MOUNTAIN, INC.

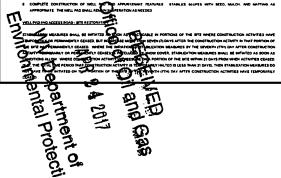


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SMITHFIELD, PAT 15778 DETAILS (1 OF 7)

Drawing Scale N T S Date leaved 03/03/2017

**ES 103** 



	TEMPOR	ARY SEEC	ING SPECIFI	CATIONS
Lanes.	CARBONATES MO	NET PHILIPPLE !	DESTO I B APPLYA	IORE THAN IS PERCENT CALCRAN 2 A RATE OF 3 TONS PER ACRE AT OTHERWISE INDICATED BY SOIL
COMMENCENT SESSET (SES	PRIOR TO SEEDIN	O OR DIA TANK W	TH SEED WHEN HYDE	OF 18-38-20 MIXED INTO SEEDBED HOSEEDING ADJUST AS HECESSARY EANS AND SOIL TEST RESULTS
MACH	CEREAL STRAW F HOLICUS WIEDS TONS PER ACRE	REE FROM MATU AS DEFINED BY TO OR 5 TOMS PER A	RE EEED BEARING ST HE PERHISYLVANIA BE CRE FOR WINTER ST	MEED FREE STRAW OR GRAIS HAY OR ALLS OR ROOTS OF PROHIBITED OR ICD ACT 1947. APPLY AT A RATE OF 3 ROLLSATION. PRECAUTION SHALL BE COVER IS ESTABLISHED
BEED MOTIVARE				ADIT OF ANNLYSIS AND BHALL BE THE PROPORTIONS SPECIFIED
TEMPORARY SEED MAXIME	PROPORTION	-	week,w	
(TABLE A)	BY WEXCHT	PURITY	GENERATION	
AMMUAL RYEORASS	100%	***	41%	
TASHW RETINW	100%	10%	63%	
CEREAL RYTORASS	100%	80%	43%	
SEEDING TYPE	AMENIA, PETORALS SHALL BE LESS FOR THE FOLLOWISE, MAD GOTE THEE CONHIGHED AND A PENAL PRIME OF THE WINDOWS GOTERANISM SHALL AND A STATE OF THE WINDOWS GOTERANISM SHALL AND A STATE OF THE WINDOWS SHALL AND A STATE OF THE WINDOWS SHALL AND A STATE OF THE WINDOWS FOR THE WINDOWS SHALL AND A STATE OF THE WINDOWS FOR THE WINDOWS SHALL AND A STATE OF THE WINDOWS FOR THE WINDOWS SHALL AND A STATE OF			
SEEDING PLATE	POR WHITER WHE	JIANG HONNY TA		PTY (10) POUNDS PER ACRE EXCEPT E OF EEVENTY FIVE (75) POUNDS PER TES

PERMANENT SEEDING SP	ECIFICATIONS:

ALL AREAS TO BE SEZDED BHALL BE LOOSENED TO A DEPTH OF AT LEAST TWO INCHES. BY MEDIUMNEAU MEANS, OR AS APPROVED BY THE OWNER.

WITH TACEPER MAY ME USED IN LISH OF MAJOH AS APPROXED BY THE

FINE TOPSON, SHALL BE PLACED ON ALL DISTURBED AREAS FOR SITE RECLAMATION RAW, GROUND AGRICULTURAL LINESTCHÉ CONTARING MORE THAN 80 PERCENT CALCAIN CARBONATES MODIET PH LEVELS TO 63 TO 70). APPLY AT A RATE OF 3 TOMS PER ACES AT 100% EPPECTIVE MOUTRALIZING VALUE (% DAY). UNLESS OTHERWISE BIOCATED BY SOIL

IN ASSEMUL UP A BOYL TEST, USE 360 POUNDS PER ACAS OF 19-39-39 MIXED INTO MEEDING.
PRICE TO SEEDING OR IN A TANK WITH SEED WHICH HYDROSEEDING.

HEACH SESSED AREAS BONEDATELY AFTER SESSONS

MOCULANT FOR TREATMS LEGIALMICUS EEDS BINLL DE A STANDARD COMMERCIAL. PRODUCT COMBISTING OF A BLITIARIE CAMBRISH COMMINING A DULTURE OF INTROODIF PLISMO BACTERIA RECUTE FOR SEEDS TO BE INDICALATED. INDICALANT BINAL NOT BE LIEDULATER THAN DATE INDICATED ON THE CONTINUES.

Grassmay or straw, feed gality may or straw, weed free straw or grassmay or cevera, strawfree from Marine exercised by the from Stram or roots of Provented or rooms weeds as ottened by the from the army size of the party at a rate of a toda fire access or stock fire access for white strangardion. Precardion bulles

HOH-MORIOUSTYRING - PEZED CHALITY HAV OR ETRANS	3 TOMS / AC
HAYPELD, PASTARELAND, AND CROPLAND - PEED CUALITY HAY OR STRAM	1 TOME / AC
PE PODITIVE - WEED PREE STRAIN	3 TOHS / AC
CHOUGHTY SITES - GRASS HAY ON CEREAL STRAW	3 TOMS / AC
STRE MINED OR OTHER MINED QUARRED - PEED CHALFY HAY OR STRAM	3 TOHS / AC

COMPOSED OF THE POLLOWING WARRETIES AND MIXED ON THE PROPORTIONS SPECIFIED

PERMANDIT SEED MIX BY LAND COVER TYPE PROPORTION
(TABLE B) SY WIDDIT

DEERTONOUE, TIDGA\*
VICORA WILDRYE
SIG BLUESTEM "HAGARA"
FOX SEDGE PA ECOTYPE
SIGNED WILDRYE
SIGNED TO SIGNED STREET
SIGNED STREE

PARPLESTEM ARTER PARCOTYP

HARD FESCUE DHEEP FESCUE CHEMNO FESCUE CREEPING RED FESCUE ORDHARD GMASS WHITE CLOVER RED TOP

STRE MINED OR OTHER MINEDCOURRED SITE MIX FOR SITES LACKING PRE-BICRA RECLAMATION STAMPARDS URBER WHICH PROPERTY OF CONDITIONS WITH AN ACCOMPANY WHICH WITH A COLOR OF CONDITIONS WITH AN ACCOMPANY OF CONDITIONS WITH AN ACCOMPANY OF CONDITIONS WITH A COLOR OF CONDIT

COMPONENT)			
TALL PESCUE (FAMIL WARRETY)	23%	**	6379
DEER TONGUE GRASS	13%	**	1073
BIRDSPOOT TREFOIL (NOCULATED)	13%	**	1074
DRCHARD GRASS	12%	65%	63%
CHEMONGS PERCUE	11%	*	63%
CREEPING RED FEBCUE	10%	67%	63%
HARD FERCUE	7%	*	66%
ALEKE CLOVER	7%	**	80%
RED TOP		-	80%

179 LBS / ACRE 200 LBS / ACRE 200 LBS / ACRE WI TH LBS ACRE 30 LBS / ACRE WI TH LBS ACRE GRAIN TIVE COVER ORACE AS INCCESARY TO BRING BUBDRADE TO A TRUE, DISJOTH SLOPE PARALLEL TO AND SEI HOME BELOW/FRENDED GRADE, PLACE TOPHOL OVER SPECHTED AREAS TO A DEPTH BUPPICHTIC VERTIZER THAN EIZE, IN HOMES TO THAT THE RETELLENGE AND GENERAL ROLLING THE COMPLETE WORK WALL COMPORM TO LINES, GRADES AND ELEVATIONS SHOWN

FETTALTS MO MORDATANI, LIBETTONE SHALL SE THOROUGH I ROCHEGIATED INTO THE SOLE IT AND TOTAL HOW OR REPORT OF A MINERAL SECTION FOR AS INDUST. SHALL SHALL

AN OWNER APPROVED BONDED PIBER MATRIX (IPPM) MAY BE USED IN LIEU OF EROSION CONTROL BLANKET PRIOR TO INTOROSEEDING

ORASS SEED. SEED COMPORATION TO THE WEST VINDING DEPARTMENT OF AGRICULTURE MALK THIS ELECTRONIC SEED. SHE TO WORK THE DAWN FALL DEPARTMENT OF AGRICULTURE PRICES SEED SHE TO WORK THE DAWN FALL DEPARTMENT OF THE WEST VINDING PROPURTIEST OF MORECULTURE THE WEST VINDING PROPURTIEST OF MORECULTURE THE WEST VINDING PROPURED FOR THE PRICES SEED AND APPROPRIEST OF AGRICULTURE THE WEST SEED SEED SEED AND APPROPRIEST OF AGRICULTURE THE WEST SEED APPROPRIEST OF AGRICULTURE THE WEST SEED AND APPROPRIEST OF AGRICULTURE THE WEST SEED APPROPRIEST OF AGRICULTURE THE AGRICULTURE THE WEST SEED APPROPRIEST OF AGRICULTURE THE AGRICULTUR

OBJECT, SEED WITE, LEQUE SEED BYOLD BE ROCLARED APPROPRIET TO THE SPECIAL SEED OF THE SEPCOLARED AND CONSENSOR OF THE SPECIAL SEED OF THE SEED OF THE

THE FOOD PLOTHER IS NO LONGER AN OPTION UNLESS SPECIFIED BY LEASE STRULATION CHARGES WITH PLANT INFOCUS LIBER IN FOOD PLOTS. CHICORY CLONERS AND OTHER PERIODMA, MERIS CAN RESTRUCTED BY REQUIRED.

PLOCOPLAN OPTAMA EZZONO MONTHE - OCTOBER THROUGH MAY IN FIAL BUN OR PARTIMA BMOZ

BEST SEEDING PERIODS - MARCH 15 - MAY 31 AND AUGUST 1 TO SEPTEMBER 15

GOOD SEEDING PERIOD (DORSONT SEEDING) - DECEMBER 1 TO MARCH 16

HIGH RISK PERIOD (MORETURE STREE LIKELY) - AME 1 TO ANY 31

PROJECT CONDITI

HIGH RISK PERIOD (FREEZE DIAMGE TO YOUNG SEEDLINGS) - OCTOBER 1 TO NOVEMBER 10

TEMPORARY REDNO. TEMPORARY SEED WHERE EXPOSED BOX, SURFACES ARE NOT TO BE PRIC GRADED FOR PERSOES OF LONGER THAN 21 DAYS. SUCH AREAS RICLIES DOWNEDD AREAS, BOX, STOCKPLES, DIKES, DANS, EDES OF SEDMENT BASING, TEMPORARY BOAD BARIS, ETC. A PERSAMBENT VICENTATIVE COVER BANKS BE APPLIED TO AREAS LETT. RKED FOR A PERIOD OF MORE THAN SIX MONTH

EMBANGMENT 8 AND CUTS CONSTRUCTED DURING THE WINTER SEASON (EMBANGMENTS AND CUTS CONSTRUCTED DURING THE WINTER SEASON SHALL SE TREATED AS POLICIONS

NAME AND STATE OF THE STATE OF

TEMPORARY SEED MIX. IF REQUIRED BY THE OWNER, THE ABOVE AREAS SHALL ALSO BE SEEDED WITH A WHITER STABLISATION MAX. MUCH MIX SHALL SE CHE HARORED PERCENTINOSI WHITER WHACK APPLICANT SEVENTY PIVE (THI POUNDS PER ACRE OR HIMELY HIS POUNDS PER ACRE ON ADVERSE SITES.

DETAIL 1 SEEDING SPECIFICATIONS



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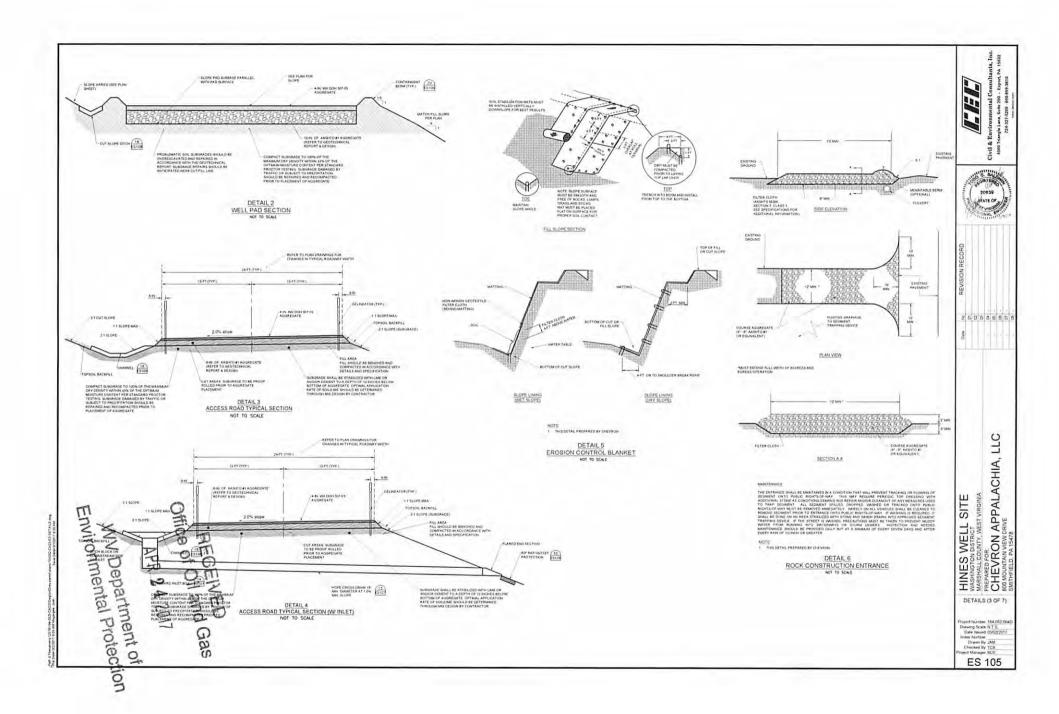
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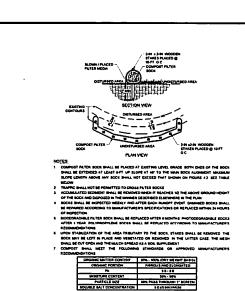
DETAILS (2 OF 7)

Project Number 184-032 0040 Drawing Scale N T 5 Date leaved (SM03/2017 India Number Drawin By JAM Checked By TCB Project Manager IA/5

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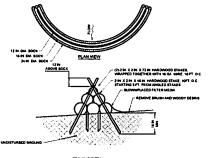




DETAIL 7 COMPOST FILTER SOCK NOT TO SCALE

PLAN VIEW

A DUSCOTAL PROPAGRACY CARROON



#### STAKING DETAK

THE STAR PREPARED BY CHIEFON

LOCATION OF SHAPE OF STANCES AND STA

DETAIL 10 RIPRAP APRON

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- MORE THAN 1 YEAR THIS DITAL PREPARED BY CHEVRON

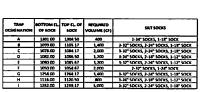
# DETAIL 8 COMPOST FILTER SOCK SEDIMENT TRAP NOT TO SOLUT

OUTLET CROSS- SECTION

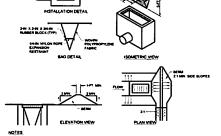
UPSLOPE FACE A ROCK RETER OUTLET SHALL SE HISTALLED WHERE FALLING OF A COMPOST FETER SOCK HAS OCCURRED OUT TO CONCENTRATED FLOW SECREMENT SHALL SE REMOVED WHICH ACCURACATIONS READY US THE HEIGHT OF THE OUTLET.

DETAIL 11
ROCK FILTER OUTLET (COMPOST FILTER SOCK)
MOT TO SCALE

METONT OF ROCK PRITER + SH HEROHT OF COMPOST FRIER BOCK



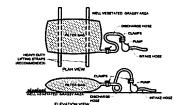
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# DETAIL 9 FILTER BAG INLET PROTECTION HOT TO SCALE



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	ASSESS DIRECTOR	
PLACTUAL	ATTACO (C)	
SOULEH BUAST	ASTER D-3744	39744
UZAESISYANCE	ARTHORNS	705
AGE & RETAINED	A3714 D-1741	H Fra

DETAIL 12
PUMPED WATER FILTER BAG

ELEVATION VIEW



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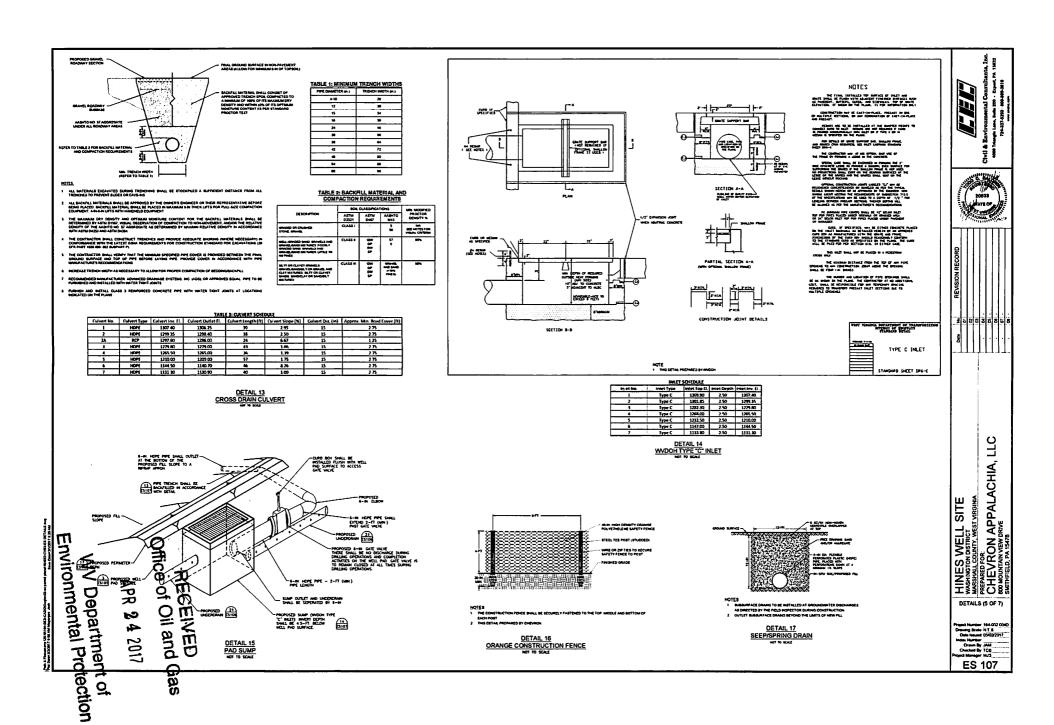
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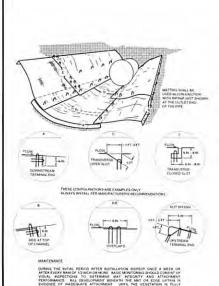
DETAILS (4 OF 7)

Project Number 164-C52 COID
Drawing Scale NT 5
Date leased 03/02/2017
Index Number
Drawn By JAM
Checked By TCB
Project Manager 6U3

ES 106

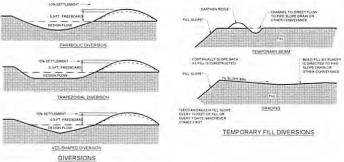
SECTION A.A hartment of shear protection shear protection B (NO FLARED END SECTION) **@** 





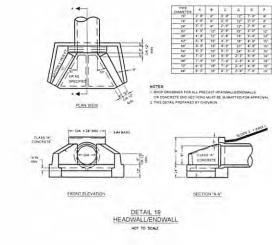
ROLLED EROSION CONTROL PRODUCTS
CHANNEL INSTALLATION

CROSS SECTION



Enancel Designation	Length (ft)	Mn Sope (%)	Max. Stone (%)	Width (ft)	Top Width (ft)	Channel Depth (ft)	21 (ft)	22 (ft)	Uning																			
1	162	1.0	9.5	2	8	15	1	2	NAG P300																			
- 7	181	3.0	9.5	2	8	1.5	2	2	NAG P300																			
3.	140	7.0	7.0	2	8	1.5	2	2	NAG P300																			
-4	60	7.0	7.0	2 2 2	2	2	8	1.5	1	2	NAG P300																	
- 5	144	7.0	14.0		8	1.5	2	2	NAG P300																			
6	100	14.0	14.0		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	8	1.5	.2	2
7	113	14.0	14.0	2	8	1.5	1	2	NAG P300																			
	136	14.0	140	2	8 15 2 2		2	5AG P300																				
9	122	14.0	14.0	- 2	. 6	1.5	2	2	NAG P300																			
10	100	14.0	14.0	2	- 8	1.5	2	2	NAG P300																			
11	100	14.0	14.0	1	8	1.5	- 2	2	NAG P300																			
1.7	365	0.5	14.0	2	8	1.5	2	2	NAG P300																			
11	177	0.5	-0.5		R.	1.5	2	7	NAG P300																			





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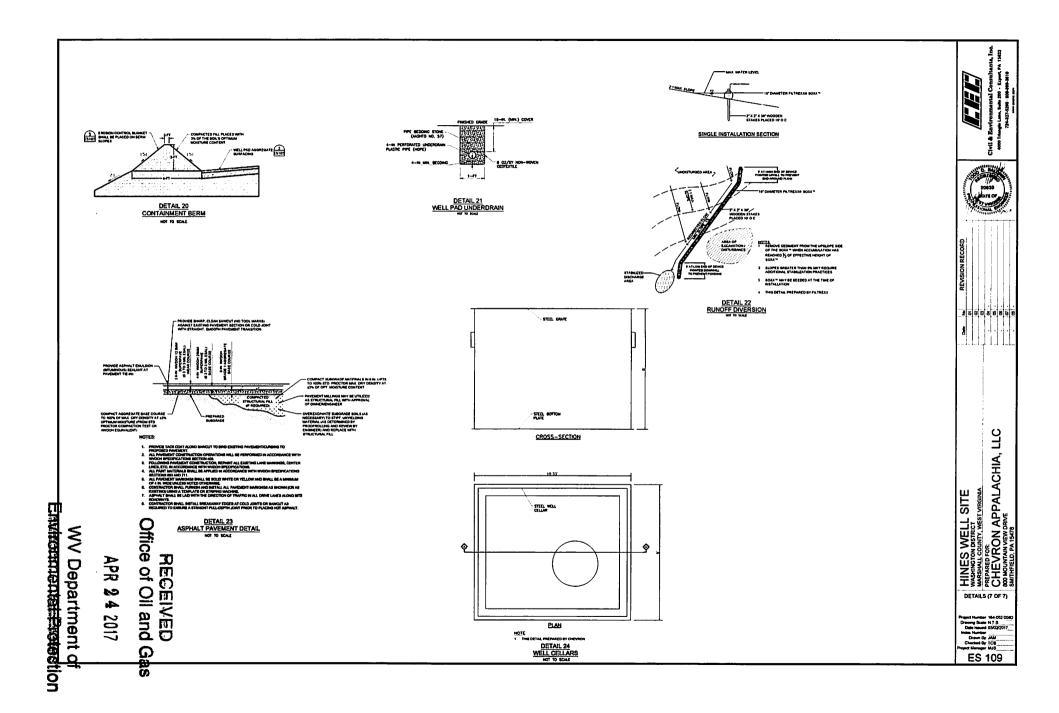
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DETAILS (6 OF 7)

Project Number 164-052 004 Drawing Scale N.T.S. Date Issued 03/07/2017 Index Number Drawn By JAM Checked By TCB Project Manager MJS

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Office Of Shidands Gas Environmental arpidition APRABR 2012017 Bedelpamente At



# ATTACHMENT D USACE NATIONWIDE PERMIT 39 APPLICATION

REGEIVED
Office of Oil and Gas

APR 24 2017

WV Department of Environmental Protection

# 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 dederal, 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 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

	The second							
		(ITEMS 1 THRU 4 TO F	BE FILLED BY THE COR	RPS)				
1. APPLICATION NO. 2. FIELD OFFICE CODE			3. DATE RECEIVED		4. DATE APPLICATION COMPLETE			
		(ITEMS BELOW TO B	E FILLED BY APPLICA					
5. APPLICANT'S NAME				•	ND TITLE (agent is not required)			
First - Jenny M	Aiddle -	Last - Hayes	First - Katie	Middle - L	Last - Moberg			
Company - Chevron App			Company - Civil &	Environmenta				
E-mail Address - jhayes@c			E-mail Address - kmc					
6. APPLICANT'S ADDRESS			9. AGENT'S ADDRES	_				
Address- 800 Mountain \	View Drive		Address- 4000 Tria		ite 200			
		Zip - 15478 Country - US	City - Export State - PA Zip - 15632 Country - I					
7. APPLICANT'S PHONE N	iOs. w/AREA CODE		10. AGENTS PHONE NOs. WAREA CODE					
	o. Business 124-564-3781	c. Fax 724-564-3894	a. Residence	b. Business 724-327-5	c. Fax			
		STATEMENT OF	F AUTHORIZATION	1 W 1 W 1	200 124-321-3200			
11. I hereby authorize,	CEC, Inc.	to act in my babalf as		cina of this appli	cation and to furnish, upon request,			
supplemental information in s	upport of this permi	it application.	_ 1		cation and to tumish, upon request,			
	7	SIGNATURE OF APPLIC	GANT I	24.14 DATE				
	NAM	E, LOCATION, AND DESCRI	IPTION OF PROJECT O	R ACTIVITY				
12. PROJECT NAME OR TITHINGS Well Pad	TLE (see instruction	is)						
13. NAME OF WATERBODY			14. PROJECT STREE	T ADDRESS (If	annlirahla)			
Refer to Waters Impact Su	ammary Table in	Attachment D	14. PROJECT STREET ADDRESS (If applicable) Address Campbell Hill Road					
15. LOCATION OF PROJEC	;T		Office of Oil and Ga					
Latitude: •N 39.906145		le: •W -80.697938	City - Moundsville State- WV Zip- 26041					
16. OTHER LOCATION DES	CRIPTIONS, IF KN	<del>-</del>			APR Z 4 (UI/			
State Tax Parcel ID		Municipality			WV Department of			
Section -	Township -	Washington District	Range - Mar	rshall County	nvironmental Protection			

turn right onto WV-88 S/Ridgecrest Road	Drive 8 2 miles and him 1-A 110 per aga	vy 91/1. Drive 0.4 mile, and continue onto 29th St gain onto Roberts Ridge Road. Drive 0.1 mile, and Drive 2 miles, and turn right onto Campbell Hill Road. Drive 0.2 mile, and the entrance to the site
	nclude all features) o construct a new natural gas well pad and assoc i includes an active cattle pasture and wooded h of palustrine emergent (PEM) wetlands and 192	
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.	
	S 20-23 IF DREDGED AND/OR FILL MATERIAL IS T	TO BE DISCHARGED
20. Reason(s) for Discharge The construction of the facility will require	the placement of fill material into any	
1. Type(s) of Material Being Discharged and the Type		
Amount in Cubic Yards	Type Amount in Cubic Yards	Type Amount in Cubic Yards
30 CY of earthen material into wetlands	500 CY of earthen material into streams	N/A
2. Surface Area in Acres of Wellands or Other W Acres 0.026 acre of PEM wetlands or	/aters Filled (see instructions)	
inear Feet 192 linear feet of stream		REGEIVED

Chevron analyzed numerous on-site configurations for the siting of the facility, and the proposed site plan represents the hypur 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 work auditional impacts.

Environmental Protection

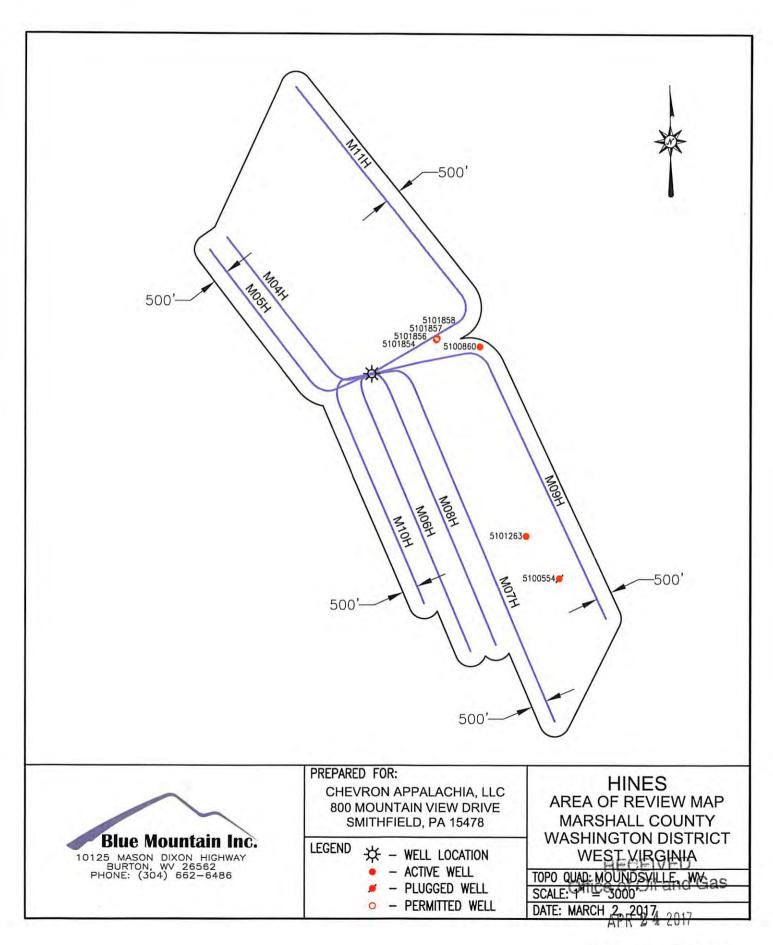
23. Description of Avoidance, Minimization, and Compensation (see instructions)

08/48/24/31

Office of Oil and Gas

24. Is Any Portion of	24. Is Any Portion of the Work Already Complete? Yes No IF YES, DESCRIBE THE COMPLETED WORK						
25. Addresses of Adjo	inino Property Owners, Les	reese Fig. 1	IAMARA E	Add to the late	- • •		
	onald ET UX - 301 4TH		Vnuse,,	openy Adjoins the vvai	lerbody (11	more than can be entered here, pices	a allach a supplemental (at)
ļ	Wall B! OV-3014***						
City - Glen Dale				st Virginia	Zip - 26	6038	
b. Address- Gossett La	ance JETUX - RD IBO	OX 428 A					
City - Moundsville		State	e - Wes	t Virginia	Zip - 26	6041	
c. Address- Goodnigt	ht Amie N ET UX - RD	) I BOX 43	37				
Clty - Moundsville				st Virginia	~·· 2(		
d. Address-		<b>-</b>	!- YY 65:	i Virginia	Zlp - 26	i041	
 I							
City -		State	<b>) -</b>		Zip -		
e. Address-			·				
City -		State	3 <b>-</b>		Zip -		
26. List of Other Certifica	ates or Approvals/Denials n	eceived fron	n other F		•	for Work Described in This A	44
AGENCY	TYPE APPROVAL*	IDENT	TIFICATIO UMBER	ON DATE APP		for Work Described in This A DATE APPROVED	pplication.  DATE DENIED
WVDNR OLS	Right of Entry	Not yet as				Pending	<b>5</b> , <b>1</b> , <b>2</b> , <b>2</b> , <b>3</b>
WVDEP	Special Condition A	Not yet as	ssigned			Pending	
WVDEP	Horizontal 6A Well P	Not yet as	ssigned	January 2017		Pending	
WVDEP		Not yet as				Pending	
* Would include but is not	t restricted to zoning, buildin	ng, and flood	aq nislq t	imilts			
27. Application is nereby recomplete and accurate. I applicant.	made for permit or permits of further certify that I possess	to authorize is the author	the work ity to und	t described in this appli lertake the work descri	ication. I i	certify that this information in n or am acting as the duly au	this application is thorized agent of the
SIGNATURE	OF APPLICANT	1.0 DAT	<u>.4.1</u>	7 1	SIGNAT		D/-24-17
The Application must be authorized agent if the s	() ne signed by the person w statement in block 11 ha	20 00011 (1110	cu out a	iiu signeu.	i activity (	Office of Oil at $O(1)$ (applicant) or it may be signally $O(1)$	ined by a duly 017
fraudulent statements o	1 provides that: Whoever, falsifies, conceals, or cov or representations or mak or entry, shall be fined no	vers up any	y mon, ac	tarente, or disguises	a matena	partment or agency of the	United States

ENG FORM 4345, DEC 2014 08/4-8/2.01



WW-6B (04/15)

API NO. 47	
<b>OPERATOR WELL</b>	NO. Hines M04H
Well Pad Name:	Hines

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

1) Well Operator	r: Chevro	n Appalachia,	LLC	4944	9935	Marshall	Washingt	Moundsville, WV 7
				Oper	ator ID	County	District	Quadrangle
2) Operator's W	ell Number	Hines M04H			_ Well Pad	Name: Hines		
3) Farm Name/S	urface Ow	ner: Donatd Hines &	& Wanda I	L. Hines	Public Road	d Access: Rou	te 38/Cam	pbell Hill Road
4) Elevation, cur	rent ground	d: 1125'	Ele	evatior	, proposed p	post-construction	n: 1125'	
5) Well Type	(a) Gas	Χ (	Oil		47 Unde	rgrofind Storag	e	
•	Other							
•	(b)If Gas	Shallow X			Deep			
		Horizontal X	•		_			0.10/01/0
6) Existing Pad:	Yes or No	No						JN 3/26/17
7) Proposed Targ Marcellus, 626	-		, Antici	ipated '	Thickness ar	nd Expected Pr	essure(s):	
8) Proposed Tota	al Vertical I	Depth: 6260						_
9) Formation at	Total Verti	cal Depth: Ma	rcellus	3		-		
10) Proposed To	tal Measur	ed Depth: 125	558			_		
11) Proposed Ho	rizontal Le	eg Length: 580	08					
12) Approximate	Fresh Wa	ter Strata Depth	s:	360'	GL			
13) Method to D	etermine F	resh Water Dep	ths: 1	l.5 mi ra	adius offset v	vells, freshwater	wells, and	freshwater base level
14) Approximate	e Saltwater	Depths: <u>840'</u> ,	1620',	and 19	61' GL			
15) Approximate	Coal Sear	n Depths: <u>360'</u>	and 6	35' GL				
16) Approximate	e Depth to l	Possible Void (d	oal mi	ine, kar	st, other): 1	NA - solid coal	anticipate	d
17) Does Propos directly overlyin					es X	No		
(a) If Yes, prov	ide Mine I	nfo: Name:	Irelan	nd Min	Э			
-		Depth:	635' (	GL				
		Seam:		ourgh (		REC	EIVED	
		Owner:	Murra	ay Ene	rgy Corpor	ationffice of C	II and G	a <del>s</del>

APR 24 2017

WV Department of Environmental Preteefier 08/18/2017

WW-6B	,
(04/15)	

API NO. 47	
OPERATOR WELL NO.	Hines M04H
Well Pad Name: Hines	

#### 18)

# **CASING AND TUBING PROGRAM**

ТҮРЕ	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	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	12,558	12,558	2,358
Tubing							
Liners		_			<i>t</i> ~		
	1				470	0	

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			<b></b>		
Fresh Water	13.375	17.5	0.38	2730	1911	Class A	1.2
Coal							
Intermediate	9.625	12.375 & 12.25	0.395	5750	2768	Class A	1.19
Production	5.5	8.75 & 8.5	0.361	14360	9975	Class A, G, or H	1.25
Tubing							
Liners							

# **PACKERS**

Kind:		
Sizes:		
Depths Set:		

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WV Department of Environmental Protection 8/18/2017

WW-6B
(10/14)

API NO. 47		
OPERATOR WELL	NO.	Hines M04H
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.

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Hines Pad Area of Review										
Well ID	Prior Operator On Record	Operator - DEP	Status	Latitude	Longitude	Vertical TD	Producing Formation	Producing Zones N	QT Perfor	ated2
47-051-00860	CNX Gas Company LLC	CNX Gas Company LLC	Active	39.908767	-80.686817	840'	Pittsburgh Seam	None	(C)	0 0
47-051-01263	Chevron Appalachia, LLC	Chevron Appalachia, LLC	Active	39.892007	-80.681121	Unknown	Unknown	None	D =	ne ou
47-051-00554	Kentucky Central & Co.	Unknown	Plugged	39.888303	-80.677210	1441'	Pottsville	None	an 20	EH
47-051-01854	Chevron Appalachia, LLC	Chevron Appalachia, LLC	Permitted	39.909336	-80.691893	6317	Marcellus	None	)il	)ar
47-051-01856	Chevron Appalachia, LLC	Chevron Appalachia, LLC	Permitted	39.909383	-80.691856	6317'	Marcellus	Name ()	PR PR	e de
47-051-01857	Chevron Appalachia, LLC	Chevron Appalachia, LLC	Permitted	39.909430	-80.691819	6317'	Marcellus		AP AP	
47-051-01858	Chevron Appalachia, LLC	Chevron Appalachia, LLC	Permitted	39.909477	-80.691782	6317'	Marcellus	None	fio	3
		*			1				0	,5

# **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 M04H										
Washington Twp, Marsh	nall Co, WV		-						Ground Level Elev. (ft above SL):	1,120
DRILLING FLUID /	CENTRALIZER	CASING SIZE /		РТН	WELLHEAD DESIGN	٧	HOLE		CASING	CEMENT
BIT TYPE / TFA	PROGRAM	FORMATION	(FT)	TVD (FT)			SIZE (IN)		SPECS	PROGRAM
Core Barrel / Auger	2 Bowspring per Jt	20" Conductor	60	60	INC AZM	a de la company	26	41, 4	Conductor 20" API 5L Minimum 40 ft from GL or at I	Grout to Surface
	Bow Spring: (1) on shoe track w' stop collar & (1) per ji over coupling to surface								Surface Casing   13-3/8" 54.58 J-55 BTC   0.380" Wall	<u>Surface Blend (Class A)</u> Cement to Surface
	Bow Spring: (1) on shoe track w' stop collar & (1) per 3 jts over coupling	13-3/8" Casing	410	-			17.5		Intermediate Casing   9-5/8* 40# L-50 BTC   0.395* Wall   Coupling OD (in)   10.625   ID (in)   8.635   Drift ID (in)   8.679   Burst (psi)   5,750   Collapse (psi)   3,080   Yield (Ji Strength 1,000 lbs)   916	Intermediate II Blend (Class A)  Coment to Surface
	<u> </u>	9-5/8" Casing	1,858	1,858			12.25			
	Bow Spring: (1) per every other it over coupling SpiraGilder or Centek: (1) per it of cag to KOP								Production Casing 5-1/2" 20# P-110, 0.361" Wall Coupling OD (in) 6.300 ID (in) 4.778 Drift ID (in) 4.653 Burst (psi) 14.360 Collapse (psi) 12.090 Yield (Jt Strength 1,000 bs) 729	Production Lead Sturry.  Cement to 500' below 9-5/8' shoe
					47				î î î	
	Floet Equip.		12,877 -				R75	C	RECEIVED Diffice of Oil and Gas APR 24 2017	Production Tail Slumy TOC minimum 200° above Marcellus
Non-Conservation	Float Equip.	5-1/2" Casing	20,778	ļ j	terior land	Vi :::	8.75 - 8.5	100	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

WV Department of Environmental Protection 8/18/2017

API Number 47 -	à l	
Operator's Well No. Hin	es M04H	

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Middle Crave Creek Cores	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 comple	ete the proposed well work? Yes 🗸 No 🗌
Will a pit be used? Yes No _✓	
If so, please describe anticipated pit waste:	
Will a synthetic liner be used in the pit? Yes	No If so, what ml.?
Proposed Disposal Method For Treated Wastes:	270-
Land Application (if selected provide	a completed form WW-9-GPP)
Underground Injection ( UIC Permit	
Reuse (at API Number_at next anticipater	
Off Site Disposal (Supply form WW Other (Explain	-9 for disposal location)
Was we will be	o utilizina pouttala avan/alasa ditantanta
Will closed loop systembe used? If so, describe: Yes, we will be	
Drilling medium anticipated for this well (vertical and horizonta	1)? Air, freshwater, oil based, etc. Air to KOP, SBM KOP to TMD
-If oil based, what type? Synthetic, petroleum, etc. Syn	
Additives to be used in drilling medium? barite, fluid loss, emulsifie	ers, rheological control
Drill cuttings disposal method? Leave in pit, landfill, removed of	offsite, etc. removed offsite
-If left in pit and plan to solidify what medium will be u	used? (cement, lime, sawdust)
-Landfill or offsite name/permit number? Arden Landfill:	#100172, South Hills Landfill #100592, Short Creek Landfill #WV0109517
	as of any load of drill cuttings or associated waste rejected at any within 24 hours of rejection and the permittee shall also disclose
on April 1, 2016, by the Office of Oil and Gas of the West Virg	onditions of the GENERAL WATER POLLUTION PERMIT issued inia Department of Environmental Protection. I understand that the my term or condition of the general permit and/orother applicable law
application form and all attachments thereto and that, based on n the information, I believe that the information is true, accurate submitting false information, including the possibility of fine or	examined and am familiar with the information submitted on this my inquiry of those individuals immediately responsible for obtaining e, and complete. I am aware that there are significant penalties for imprisonment.
I certify under penalty of law that I have personally application form and all attachments thereto and that, based on n the information, I believe that the information is true, accurate submitting false information, including the possibility of fine or Company Official Signature	examined and am familiar with the information submitted on this my inquiry of those individuals immediately responsible for obtaining e, and complete. I am aware that there are significant penalties for imprisonment.
I certify under penalty of law that I have personally application form and all attachments thereto and that, based on n the information, I believe that the information is true, accurate submitting false information, including the possibility of fine or Company Official Signature  Company Official (Typed Name) Jenny Hayes	examined and am familiar with the information submitted on this my inquiry of those individuals immediately responsible for obtaining e, and complete. I am aware that there are significant penalties for imprisonment.
I certify under penalty of law that I have personally application form and all attachments thereto and that, based on n the information, I believe that the information is true, accurate submitting false information, including the possibility of fine or Company Official Signature	examined and am familiar with the information submitted on this my inquiry of those individuals immediately responsible for obtaining e, and complete. I am aware that there are significant penalties for imprisonment.  House  RECEIVED
I certify under penalty of law that I have personally application form and all attachments thereto and that, based on not the information, I believe that the information is true, accurate submitting false information, including the possibility of fine or Company Official Signature  Company Official (Typed Name) Jenny Hayes  Company Official Title Permitting Team Lead	examined and am familiar with the information submitted on this my inquiry of those individuals immediately responsible for obtaining e, and complete. I am aware that there are significant penalties for imprisonment.  **PRECEIVED**  Office of Oil and Commonwealth of Pennsylva.**
I certify under penalty of law that I have personally application form and all attachments thereto and that, based on not the information, I believe that the information is true, accurate submitting false information, including the possibility of fine or Company Official Signature  Company Official (Typed Name) Jenny Hayes  Company Official Title Permitting Team Lead	examined and am familiar with the information submitted on this my inquiry of those individuals immediately responsible for obtaining e, and complete. I am aware that there are significant penalties for imprisonment.

	TOTAL TERMINATION OF THE PROPERTY.
Proposed Revegetation Treatment: Acres Disturb	ed 11.6 acres Preveg etation pH Per soils testing report
Lime 3 Tons/acre or to	correct to pH
Fertilizer type 10-20-20	
Fertilizer amount 300	lbs/acre
Mulch 3, 5 for winter stabilization	Tons/acre
	Seed Mixtures
Temporary	Permanent
Seed Type lbs/acre	Seed Type lbs/acre
see attached	see attached
Attach: Maps(s) of road, location, pit and proposed area for provided). If water from the pit will be land applie L, W), and area in acres, of the land application a Photocopied section of involved 7.5' topographics	
Plan Approved by: Jun Unsholos	
Comments:	
	4705101025
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Title: Oil + Ges Inspector	RECEIVED Office of Oil and Gas  Date: 3 /2 APR 24 2017

!			SEED	MIXTURES			
<u>Tem</u>	orary	. ,	Perman	<u>ent</u>		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			<del></del>

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# Chevron

Appalachian LLC WV Well Site Safety Plan<sub>47 0 5 1 0 1 0 2 3</sub>

Pad: Hines Pad A Well # M11H

JN 3/26/17

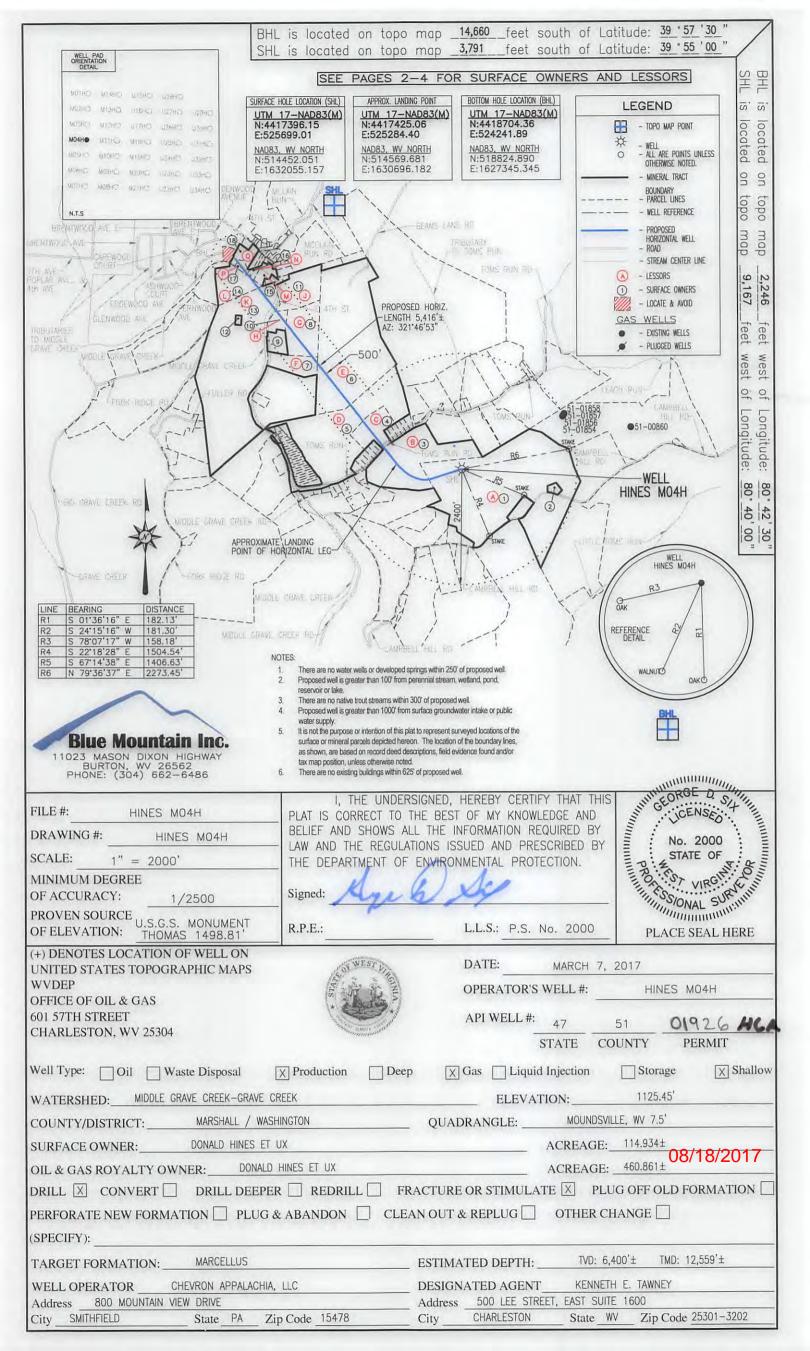
1256 Campbell Hill Road Moundsville, WV 26041 Washington District Marshall County, WV

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

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# HINES M04H PAGE 2 OF 4

	SURFACE OWNER	DIST-TM/PAR
1	DONALD HINES ET UX.	14-12/30
2	TERRY L. DERROW ET UX.	14-12/30.3
3	ARNIE N. GOODNIGHT ET UX.	14-12/25
4	CHRISTOPHER S. & DENISE L. SCAMEHORN	14-12/24.1
5	CHARLES R. HALL EST.	14-12/24
6	ALAN N. CROW ET AL.	14-9/48
7	GEORGE R. MASON ET UX.	14-9/49.2
8	STACIE CROSSING ASSOCIATES	14-9/49
9	HILL VIEW LIMITED PARTNERSHIP	14-9/49.3
10	HILL VIEW II LTD PARTNERSHIP	14-9/49.4
11	PATRICK J. ROGERS	14-9/50
12	MARSHALL CO. DAY CARE & CHILD	4-3/46.2
13	MARSHALL CO. ACTIVITIES DEVELOPMENT	4-3/46
14	MARSHALL CO. ACTIVITIES DEVELOPMENT	4-3/46.1
15	*BRADLEY C. RINE	14-9/7.2
16	*KEVIN DREW RINE ET UX.	14-9/7.8
17	BARRY C. SULLIVAN	14-9/7.1
18	BARRY C. SULLIVAN	14-9/7.7

	LESSOR	DIST-TM/PAR
A	DONALD HINES ET UX.	14-12/30
В	TRUSTEES LIMESTONE PRESBYTERIAN CHURCH	14-12/25
	CLYDE DOWLER ET UX	
	GARY MORRISON	
	ELIZABETH Y. MORRISON	
	WILLIAM F. RULONG	
	CHARLES BURTON RULONG	
	ROGER GLEN RULONG	
	LAURA J. REYES	
	ROBERT L. RULONG	
	DALE FRANCIS FURBEE	
	HAROLD DEAN FURBEE	
	JOHN T. MORRIS	
	DRU ELLA FOX	
	LYNN ELLEN COOK	
	ETHEL M. RULONG	
	TERRY LEE RULONG	
	RICHARD J. RULONG	
	TRACEY LYNN RULONG	

\* - DENOTES PARCEL WITHIN 30 FEET OF PLANNED WELL BORE

SURFACE HOLE LOCATION (SHL)

UTM 17-NAD83(M)
N:4417396.15
E:525699.01

NAD83, WV NORTH N:514452.051 E:1632055.157 APPROX. LANDING POINT

UTM 17—NAD83(M)
N:4417425.06
E:525284.40
NAD83 WV NORTH

NAD83, WV NORTH N:514569.681 E:1630696.182 BOTTOM HOLE LOCATION (BHL)

UTM 17—NADB3(M)
N:4418704.36
E:524241.89

NADB3, W NORTH
N:518824.890
E:1627345.345

08/18/2017



# HINES M04H PAGE 3 OF 4

	LESSOR	DIST-TM/PAR
С	DALE HALL	14-12/24.1
	DENISE SCAMEHORN	
	DAVID HALL	_
	DONNA HOLLIDAY CECIL R. LIGTNER	_
	MELANIE J. YOUNG	_
	APRIL DAWN WELLS	
	HARVEY LEE WELLS JR.	-
	LONNIE V. BLAKE	
	SHIRLEY PONDER	
	EARLE VINCENT BLAKE - SPL COM DAVID C. WHITE	
	RACHEL EARNEST	
	NANCY GREATHOUSE	
	STEVEN D. WELLS	
	DENISE A. WELLS	
	GREGORY A. PFAUS	
	ANDREW PFAUS	
	CATHERINE A. GUSTIN	
	MATHEW PFAUS	
	MELISSA S. PRICE	
	CHANTEE M. DANCIK	_
	ROBERT JOHN MCCLELLAN MELISSA A. WAGGONER	
	KIMBERLY R. FRANKENFIELD	
	DEBORAH ELDER	
	DARCY MICHAELS	-
	DARLA THURMAN	
	MARY WIDDER	
	RANDALL W. DENNIS	
	KAY WATSON	
	DONALD MCCLELLAND	
	GEORGE MCCLELLAN JR.	
	DONNA DAVIS	
	DIANA LOUISE MCKINNEY	
	DIANE MINCKS	
	WAYNE KENNETH MCCLELLAN	
	BEULAH J. CURRY	
	DONALD E. GEARHART	
	AARON CURRY	_
	DENISE K. PETREE	
	GEOFFREY A. ROWLANDS KIMBERLY PAULA VARNER	-
	RALPH E. WELLMAN ET AL	_
	CANDICE J. CASTLE	
	JASON M. SANDOR	-
	JENNIFER JORDAN	
	JAMES M. SANDOR JR.	
	ANDREW W. FLOYD	
	LINDA HAYS	
	KEVIN L. ROWLANDS	
	THOMAS MAZZAFERRO	
	SANDRA TRESSLER	
	RONALD MAZZAFERRO	
	JOHN T. WELLING	
	MELANY L. WASKO	
	ROBERT L. WELLING	
	LORREN ROGERS	
	MARK D. WELLING	
	THERESA B. WORKMAN	
	JAMES R. BLAKE	
	RANDY SEIBERT	
	TERRY SEIBERT	
	SHEREE SINCLAIR BETH GODFREY	
	JAMES E. RICE	_
	STEVE RICE	
	STEVEN DALE PIERSON	
	IVAN L. WELLMAN ET UX	
	ROBERT K. BLAKE ET UX	
	TIMOTHY L. CURRY ET UX	
	ELMER Z. WELLMAN ET UX	
	CHARLES L. BLAKE ET UX	
	TAMRA C. MORGAN	
	GARREN D. WELLMAN	
	MARTHA E. DICKERHOOF	

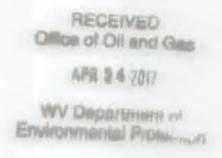
	DIST-TM/PA
DALE HALL	14-12/24
DENISE SCAMEHORN	
DAVID HALL	
DONNA HOLLIDAY	
CECIL R. LIGHTNER	
MELANIE J. YOUNG	
APRIL DAWN WELLS	
HARVEY LEE WELLS JR.	
LONNIE V. BLAKE	
SHIRLEY PONDER	
EARLE VINCENT BLAKE - SPL COM DAVID C. WHITE	
RACHEL EARNEST	
NANCY GREATHOUSE	
STEVEN D. WELLS	
DENISE A. WELLS	
GREGORY A. PFAUS	
ANDREW PFAUS	
CATHERINE A. GUSTIN	
MATHEW PFAUS	
MELISSA S. PRICE	
CHANTEE M. DANCIK	
ROBERT JOHN MCCLELLAN	
MELISSA A. WAGGONER	
KIMBERLY R. FRANKENFIELD	
DEBORAH ELDER	
DARCY MICHAELS	
DARLA THURMAN	
MARY WIDDER	
RANDALL W. DENNIS	
KAY WATSON	
DONALD MCCLELLAND	
GEORGE MCCLELLAN JR.	
DONNA DAVIS	
DIANA LOUISE MCKINNEY	
DIANE MINCKS	
WAYNE KENNETH MCCLELLAN	
BEULAH J. CURRY	
DONALD E. GEARHART	
AARON CURRY	
DENISE K. PETREE	
GEOFFREY A. ROWLANDS	
KIMBERLY PAULA VARNER	
RALPH E. WELLMAN ET AL	
CANDICE J. CASTLE	
JASON M. SANDOR	
JENNIFER JORDAN	
JAMES M. SANDOR JR	
ANDREW W. FLOYD	
LINDA HAYS	
KEVIN L. ROWLANDS	
THOMAS MAZZAFERRO	
SANDRA TRESSLER	
RONALD MAZZAFERRO	
JOHN T. WELLING	
MELANY L. WASKO	
ROBERT L. WELLING	
LORREN ROGERS	
MARK D. WELLING	
THERESA B. WORKMAN	
JAMES R. BLAKE	
RANDY SEIBERT	
TERRY SEIBERT	
SHEREE SINCLAIR	
BETH GODFREY	
JAMES E. RICE	
STEVE RICE	
STEVEN DALE PIERSON	
IVAN L. WELLMAN ET UX	
ROBERT K. BLAKE ET UX	
TIMOTHY L. CURRY ET UX	
ELMER Z. WELLMAN ET UX	
CHARLES L. BLAKE ET UX	
TAMRA C. MORGAN	
GARREN D. WELLMAN	
MARTHA E. DICKERHOOF	
ALAN NEIL CROW	14-9/48
RUTH ANN CROW	
MARY KATHRYN NEEHOUSE	
GEORGE R. MASON ET UX	08/18/2
STACIE CROSSING ASSOCIATES LP	
HILL VIEW II LTD PARTNERSHIP	14-9/49.4

\* - DENOTES PARCEL WITHIN 30 FEET OF PLANNED WELL BORE

# HINES M04H PAGE 4 OF 4

10	LESSOR	DIST-TM/PA
-	DEBORAH MAXWELL YARBROUGH MAYMOND W. WOODS	4-3/46
-	RONNIE D. ANDERSON	
	RICHARD W. WOODS	
	VILLIAM L. MAXWELL	
	MARBARA A. MCINALLY	
-	VILLIAM J. MINES	
	TEPHEN LESLIE MAXWELL	
1	BEVERLY K. TIEMAN	
	CAROLYN K. GABROVSEK	
-	RETTA JANE WAYNE	
	OBERT KOESTERS	
	NNALEE BERNARD	
-	SARY KOESTERS	
	ROBERT L. MINES JR.	
	MICHAEL JOSEPH KOESTERS	
	YNTHIA KURTZ	
C	CHARLES RICHARD KOESTERS	
F	REDRICK M. YEATER	
L	OIS W. DOWLER AIF DAVID B. DOWLER	
E	RIC W. BROWN	
C	DAVID J. MAXWELL	
H	HOLLIS ZULICK	
L	ESLIE M. ZIRINGER	
-	MELISSA ELAIN SCHROTH	
F	HENRY M. HUPP	
	IARRY L. MAXWELL AIF BRIAN L. MAXWELL	
1	CLARENCE R. BROWN	
-	AMES H. MAXWELL	
100	MARY A. MORGAN	
-	IILA ELAINE ROGERSON AIF GARY ROGERSON	
	MARK DAVID HUNT	
	CHRISTOPHER M. BROWN	
	BEVERLY JOYCE ARMSTRONG	
	EFFREY LYNN CELLARS	
	CEVIN MERLE BROWN	
	CHARLES EDWARD CELLARS	
	D CELLARS	
	HOMAS WILLIAM CELLARS	
1100	DONALD WAYNE CELLARS	
_	ERRY ALAN CELLARS	1 7/15 1
1	DEBORAH MAXWELL YARBROUGH	4-3/46.1
	RAYMOND W. WOODS	
	DONNIE D. ANDERSON	
E	BONNIE D. ANDERSON	
E	RICHARD W. WOODS	
F	RICHARD W. WOODS VILLIAM L. MAXWELL	
FVE	RICHARD W. WOODS VILLIAM L. MAXWELL BARBARA A. MCINALLY	
FVE	RICHARD W. WOODS VILLIAM L. MAXWELL BARBARA A. MCINALLY VILLIAM J. MINES	
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EFVEVOE	RICHARD W. WOODS VILLIAM L. MAXWELL  3ARBARA A. MCINALLY VILLIAM J. MINES STEPHEN LESLIE MAXWELL SEVERLY K. TIEMAN CAROLYN K. GABROVSEK RETTA JANE WAYNE	
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E F V E S E C F F F F	RICHARD W. WOODS VILLIAM L. MAXWELL BARBARA A. MCINALLY VILLIAM J. MINES STEPHEN LESLIE MAXWELL BEVERLY K. TIEMAN CAROLYN K. GABROVSEK RETTA JANE WAYNE ROBERT KOESTERS ANNALEE BERNARD	
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E F F F F F F F F F F F F F F F F F F F	RICHARD W. WOODS WILLIAM L. MAXWELL  BARBARA A. MCINALLY WILLIAM J. MINES STEPHEN LESLIE MAXWELL  BEVERLY K. TIEMAN  CAROLYN K. GABROVSEK RETTA JANE WAYNE ROBERT KOESTERS ANNALEE BERNARD  SARY KOESTERS ROBERT L. MINES JR. MICHAEL JOSEPH KOESTERS CYNTHIA KURTZ CHARLES RICHARD KOESTERS FREDRICK M. YEATER  JOIS W. DOWLER AIF DAVID B. DOWLER CRIC W. BROWN  DAVID J. MAXWELL HOLLIS ZULICK  JESLIE M. ZIRINGER MELISSA ELAIN SCHROTH HENRY M. HUPP	
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E	RICHARD W. WOODS VILLIAM L. MAXWELL  3ARBARA A. MCINALLY VILLIAM J. MINES STEPHEN LESLIE MAXWELL  3EVERLY K. TIEMAN CAROLYN K. GABROVSEK RETTA JANE WAYNE ROBERT KOESTERS ANNALEE BERNARD GARY KOESTERS ROBERT L. MINES JR. MICHAEL JOSEPH KOESTERS CYNTHIA KURTZ CHARLES RICHARD KOESTERS CYNTHIA KURTZ CHARLES RICHARD KOESTERS FREDRICK M. YEATER LOIS W. DOWLER AIF DAVID B. DOWLER FRIC W. BROWN DAVID J. MAXWELL HOLLIS ZULICK LESLIE M. ZIRINGER MELISSA ELAIN SCHROTH HENRY M. HUPP HARRY L. MAXWELL AIF BRIAN L. MAXWELL CLARENCE R. BROWN JAMES H. MAXWELL MARY A. MORGAN NILA ELAINE ROGERSON AIF GARY ROGERSON MARK DAVID HUNT CHRISTOPHER M. BROWN BEVERLY JOYCE ARMSTRONG JEFFREY LYNN CELLARS	
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E	RICHARD W. WOODS VILLIAM L. MAXWELL  JARBARA A. MCINALLY VILLIAM J. MINES STEPHEN LESLIE MAXWELL  JEVERLY K. TIEMAN  CAROLYN K. GABROVSEK RETTA JANE WAYNE ROBERT KOESTERS ANNALEE BERNARD  GARY KOESTERS ROBERT L. MINES JR. MICHAEL JOSEPH KOESTERS CYNTHIA KURTZ  CHARLES RICHARD KOESTERS  CYNTHIA KURTZ  CHARLES RICHARD KOESTERS  CYNTHIA KURTZ  CHARLES RICHARD KOESTERS  COIS W. DOWLER AIF DAVID B. DOWLER  FRIC W. BROWN  DAVID J. MAXWELL  HOLLIS ZULICK  LESLIE M. ZIRINGER  MELISSA ELAIN SCHROTH  HENRY M. HUPP  HARRY L. MAXWELL AIF BRIAN L. MAXWELL  CLARENCE R. BROWN  JAMES H. MAXWELL  MARY A. MORGAN  MILA ELAINE ROGERSON AIF GARY ROGERSON  MARK DAVID HUNT  CHRISTOPHER M. BROWN  BEVERLY JOYCE ARMSTRONG  JEFFREY LYNN CELLARS  KEVIN MERLE BROWN  CHARLES EDWARD CELLARS  THOMAS WILLIAM CELLARS	
E	RICHARD W. WOODS VILLIAM L. MAXWELL  JARBARA A. MCINALLY VILLIAM J. MINES STEPHEN LESLIE MAXWELL  JEVERLY K. TIEMAN  CAROLYN K. GABROVSEK RETTA JANE WAYNE ROBERT KOESTERS  ANNALEE BERNARD  SARY KOESTERS  ROBERT L. MINES JR. MICHAEL JOSEPH KOESTERS  CYNTHIA KURTZ  CHARLES RICHARD KOESTERS  CYNTHIA KURTZ  CHARLES RICHARD KOESTERS  COIS W. DOWLER AIF DAVID B. DOWLER  CRIC W. BROWN  DAVID J. MAXWELL  HOLLIS ZULICK  LESLIE M. ZIRINGER  MELISSA ELAIN SCHROTH  HENRY M. HUPP  HARRY L. MAXWELL AIF BRIAN L. MAXWELL  CLARENCE R. BROWN  JAMES H. MAXWELL  MARY A. MORGAN  NILA ELAINE ROGERSON AIF GARY ROGERSON  MARK DAVID HUNT  CHRISTOPHER M. BROWN  BEVERLY JOYCE ARMSTRONG  JEFFREY LYNN CELLARS  KEVIN MERLE BROWN  CHARLES EDWARD CELLARS  JD CELLARS	

	LESSOR	DIST-TM/PAR
М	*ERIC CHAMBERLAIN	14-9/7.2
	*BRAD CHAMBERLAIN	
	*ALYN BRENT CHAMBERLAIN	
	*TODD CHAMBERLAIN	1
	*GERALDINE PLOWDEN	1
	*BARRY F. LARSON ET UX	
	*JULIE CARTWRIGHT	
	*GREG BIETH	
	*JENNIFER KELLER	1
	*TANYA BIETH	1
	*DALE JONES	1
	*GERALDINE PLOWDEN	1
	*PAUL C. NIX	
	*FIRST UNITED METHODIST CHURCH OF ORLANDO	1
	*DIXIE UNITED METHODIST CHURCH	1
	*BISHOP GRAY RETIREMENT FOUNDATION	
	*JOYCE K. LARSON	
	*FL UNITED METHODIST CHILDRENS HOME INC	
	*EMMANUEL EPISCOPAL CHURCH	1
	*EDGEWOOD CHILDRENS RANCH INC	
N	*ERIC CHAMBERLAIN	14-9/7.8
	*BRAD CHAMBERLAIN	
	*ALYN BRENT CHAMBERLAIN	
	*TODD CHAMBERLAIN	
	*GERALDINE PLOWDEN	
	*BARRY F. LARSON ET UX	
	*JULIE CARTWRIGHT	
	*GREG BIETH	
	*JENNIFER KELLER	
	*TANYA BIETH	
	*DALE JONES	
	*GERALDINE PLOWDEN	
	*PAUL C. NIX	
	*FIRST UNITED METHODIST CHURCH OF ORLANDO	
	*DIXIE UNITED METHODIST CHURCH	
	*BISHOP GRAY RETIREMENT FOUNDATION	1
	*JOYCE K. LARSON	
	*FL UNITED METHODIST CHILDRENS HOME INC	
	*EMMANUEL EPISCOPAL CHURCH	
	*EDGEWOOD CHILDRENS RANCH INC	
P	ROBERT B. SULLIVAN	14-9/7.1
_	Programme 1 Transport	14-9/7.7
Q	ROBERT B. SULLIVAN	14-9/1./



08/18/2017

\* - DENOTES PARCEL WITHIN 30 FEET OF PLANNED WELL BORE



### 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, 1 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

9701101021

#### 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

Office of Oll and Gas

U.S. Army Corps of Engineers

U.S. Fish and Wildlife Service

County Floodplain Coordinator

APR 2 4 2017

The applicant further acknowledges that any Office of Oil and Carpernin in 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

Pict D				HINES IVIU4				
TRUSTES LIMISTONE PRESEYTERIAN CHEWRON U.S.A. INC. O.380 884/72 N/A	Plat ID				Book/Page	Assignment #1	Assignment #2	Assignment #3
CHURCH DOWLER CLYDE ET UX MORRISON CARY CHEVRON U.S.A. INC. DOWLER CLYDE ET UX MORRISON CARY CHEVRON U.S.A. INC. DARGE SOR LEASE HAY NA MORRISON CARY CHEVRON U.S.A. INC. DARGE SOR LEASE HAY RULONG WILLIAM F CHEVRON U.S.A. INC. DARGE SOR LEASE HAY RULONG CHARLES BURTON RULONG ROBER CLEE REVENOR U.S.A. INC. DARGE SOR RULE REVENOR U.S.A. INC. DARGE HARD DARGE RULONG GOBERT L CHEVRON U.S.A. INC. DARGE HARD DARGE HARD DARGE RULONG FORER HAND DE NOR RULONG FORER HAND DE NOR RULONG FORER WAS CHEVRON U.S.A. INC. DARGE HARD	14-0012-0030-0000-0000		CHEVRON U.S.A. INC.	0.160	774/290	N/A	N/A	N/A
CHURCH   CHURCH CLUS AL INC.   CHEVRON U.S.A. INC.   CHURCON U.S.A. INC.   CHEVRON U.S			CHEVRON II S A INC	0 180	854/86	N/A	N/A	N/A
MORRISON LEAR NO. LS.A. INC.   0.160   847/71								
RULONG TERRY LEE						N/A	, N/A	
RULONG TERRY LEE		MORRISON GARY				N/A 🗷	60 N/A	
RULONG TERRY LEE		MORRISON ELIZABETH Y	CHEVRON U.S.A. INC.			N/A	₩ N/A	
RULONG TERRY LEE		RULONG WILLIAM F	CHEVRON U.S.A. INC.	0.140		PYA C	₩ ĐĐ N/A	
RULONG TERRY LEE		RULONG CHARLES BURTON	CHEVRON U.S.A. INC.				50 Q N/A	
RULONG TERRY LEE		RULONG ROGER GLEN	CHEVRON U.S.A. INC.	0.180	848/308	A CO	E OL N/A	
RULONG TERRY LEE		REYES LAURA J	CHEVRON U.S.A. INC.	0.160	882/392		N/A	
RULONG TERRY LEE	14-0012-0025-0000-0000	RULONG ROBERT L	CHEVRON U.S.A. INC.	0.140	821/212		N/A	
RULONG TERRY LEE		FURBEE DALE FRANCIS	CHEVRON U.S.A. INC.	0.140	821/219		© N/A	
RULONG TERRY LEE		FURBEE HAROLD DEAN	CHEVRON U.S.A. INC.	0.140	820/325	N/85 <b>T</b>	de N/A	
RULONG TERRY LEE		MORRIS JOHN T	CHEVRON U.S.A. INC.	0.140	820/344	NÆ S	<b>₹                                    </b>	N/A
RULONG TERRY LEE		FOX DRU ELLA	CHEVRON U.S.A. INC.	0.140	820/313	NØ >	> > N/A	N/A
RULONG TERRY LEE		COOK LYNN ELLEN	CHEVRON U.S.A. INC.	0.140	828/430	N/A	√ N/A	N/A
RULONG RICHARD J RULONG TRACEY LYNN CHEVRON U.S.A. INC. 0.140 838/389 N/A 838/3		RULONG ETHEL M SFX	CHEVRON U.S.A. INC.	0.140	831/396	N/A	N/A	N/A
RULONG RICHARD J RULONG TRACEY LYNN CHEVRON U.S.A. INC. 0.140 831/518 N/A		RULONG TERRY LEE	CHEVRON U.S.A. INC.	0.140	831/389	N/A	N/A	N/A
HALL DALE  TRIENERGY HOLDINGS, LLC  D.160  B99/23  TRIENERGY HOLDINGS, LLC to PEPLOPMENT, LLC to NPAR, LLC to CHIEF EXPLORATION & DEVELOPMENT, LLC to CHIEF EXPLORATIO		RULONG RICHARD J	CHEVRON U.S.A. INC.	0.140	831/518		N/A	N/A
HALL DALE  TRIENERGY HOLDINGS, LLC  TRIENERGY		RULONG TRACEY LYNN	CHEVRON U.S.A. INC.	0.140	838/389	N/A	N/A	N/A
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HALL DAVID  TRIENERGY HOLDINGS, LLC  TRIENERGY						24/180		·
HALL DAVID  TRIENERGY HOLDINGS, LLC  HOLLIDAY DONNA  TRIENERGY HOLDINGS, LLC  LIGHTNER CECIL R  LIGHTNER CECIL R  YOUNG MELANIE J - SFX  CHEVRON U.S.A. INC.  LIGHTNER CECIL R  YOUNG MELANIE J - SFX  LEVPLORATION & DEVELOPMENT, LLC  699/27  TRIENERGY HOLDINGS, LLC to NPAR, LLC to CHIEF EXPLORATION & DEVELOPMENT, LLC to CHIEF EXPLORATION & DEVELOPMENT, LLC to CHEVRON U.S.A. INC.  24/180  NPAR, LLC  NPAR, LLC  1		SCAMEHORN DENISE	TRIENERGY HOLDINGS, LLC	0.160	699/25	TRIENERGY HOLDINGS, LLC to		
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HALL DAVID  TRIENERGY HOLDINGS, LLC  0.160  699/27  TRIENERGY HOLDINGS, LLC to NPAR, LLC  NPAR, LLC  0.160						24/180	•	•
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HOLLIDAY DONNA TRIENERGY HOLDINGS, LLC 0.160 699/31 TRIENERGY HOLDINGS, LLC to PAR, LLC to CHIEF CHIEF EXPLORATION & DEVELOPMENT, LLC to NPAR, LLC DEVELOPMENT, LLC TO DEVELOPMENT, LLC CHEVRON U.S.A. INC.  LIGHTNER CECIL R CHEVRON U.S.A. INC. 0.180 889/472 N/A N/A N/A N/A N/A  YOUNG MELANIE J -SFX CHEVRON U.S.A. INC. 0.170 875/55 N/A N/A N/A N/A							•	
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WELLS APRIL DAWN CHEVRON U.S.A. INC. 0.170 887/607 N/A N/A N/A N/A								
		WELLS APRIL DAWN	CHEVRON U.S.A. INC.	0.170	887/607	N/A	N/A	N/A

Plat ID	Lessor	Lessee	Royalty	Book/Page	Assignment #1	Assignment #2	Assignment #3
	WELLS HARVEY LEE JR	CHEVRON U.S.A. INC.	0.170	887/585	N/A	N/A	N/A
	BLAKE LONNIE V	CHEVRON U.S.A. INC.	0.180	887/570	N/A	N/A	N/A
	PONDER SHIRLEY	CHEVRON U.S.A. INC.	0.160	896/8	N/A	N/A	N/A
	BLAKE EARLE VINCENT - SPL COM DAVID C	CHEVRON U.S.A. INC.	0.160	897/577	N/A	N/A	N/A
	WHITE	CHEVRON 0.3.A. INC.	0.100	03//3//			N/A
	EARNEST RACHEL	CHEVRON U.S.A. INC.	0.170	847/218	N/A S	₩N/A	N/A
	GREATHOUSE NANCY	CHEVRON U.S.A. INC.	0.170	861/167	N/A	Ment of Protesting	N/A
	WELLS STEVEN D	CHEVRON U.S.A. INC.	0.170	861/113	N/A 🔿 🖚	⊋ 36 N/A	N/A
	WELLS DENISE A	CHEVRON U.S.A. INC.	0.170	861/149		≦ 55 N/A	N/A
	PFAUS GREGORY A	CHEVRON U.S.A. INC.	0.170	849/48		Department of the second of th	N/A
	PFAUS ANDREW	CHEVRON U.S.A. INC.	0.170	849/66	MAN S S A	N/A	N/A
	GUSTIN CATHERINE A	CHEVRON U.S.A. INC.	0.170	848/373		WV Departr Environmentel	N/A
	PFAUS MATHEW	CHEVRON U.S.A. INC.	0.170	849/30		Ø № N/A	N/A
	PRICE MELISSA S	CHEVRON U.S.A. INC.	0.170	849/84	N/A DELICE	₽ ₽ N/A	N/A
	DANCIK CHANTEE M	CHEVRON U.S.A. INC.	0.170	861/56	N/A 🚝	N/A N/A	N/A
	MCCLELLAN ROBERT JOHN	CHEVRON U.S.A. INC.	0.170	861/131	<sub>N/A</sub> O	S S N/A	N/A
	WAGGONER MELISSA A	CHEVRON U.S.A. INC.	0.170	863/120	N/A	. N∕A	N/A
	FRANKENFIELD KIMBERLY R	CHEVRON U.S.A. INC.	0.170	853/134	N/A	N/A	N/A
	ELDER DEBORAH	CHEVRON U.S.A. INC.	0.170	853/202	N/A	N/A	N/A
	MICHAELS DARCY	CHEVRON U.S.A. INC.	0.170	853/184	N/A	N/A	N/A
	THURMAN DARLA	CHEVRON U.S.A. INC.	0.170	853/284	N/A	N/A	N/A
	WIDDER MARY	CHEVRON U.S.A. INC.	0.170	863/46	N/A	N/A	N/A
	DENNIS RANDALL W	CHEVRON U.S.A. INC.	0.170	862/524	N/A	N/A	N/A
	WATSON KAY	CHEVRON U.S.A. INC.	0.170	863/64	N/A	N/A	N/A
	MCCLELLAND DONALD	CHEVRON U.S.A. INC.	0.170	863/28	N/A	N/A	N/A
	MCCLELLAN GEORGE JR	CHEVRON U.S.A. INC.	0.170	863/159	N/A	N/A	N/A
	DAVIS DONNA	CHEVRON U.S.A. INC.	0.170	863/1	N/A	N/A	N/A
	MCKINNEY DIANA LOUISE	CHEVRON U.S.A. INC.	0.170	859/201	N/A	N/A	N/A
	MINCKS DIANE	CHEVRON U.S.A. INC.	0.170	859/237	N/A	N/A	N/A
	MCCLELLAN WAYNE KENNETH	CHEVRON U.S.A. INC.	0.170	859/219	N/A	N/A	N/A
	CURRY BEULAH J	CHEVRON U.S.A. INC.	0.170	861/203	N/A	N/A	· N/A
	GEARHART DONALD E	CHEVRON U.S.A. INC.	0.170	861/38	N/A	N/A	N/A
14-0012-0024-0001-0000	CURRY AARON	CHEVRON U.S.A. INC.	0.170	861/239	N/A	N/A	N/A
14-0012-0024-0001 0000	PETREE DENISE K	CHEVRON U.S.A. INC.	0.170	861/20	N/A	N/A	N/A
	ROWLANDS GEOFFREY A	CHEVRON U.S.A. INC.	0.170	861/221	N/A	N/A	N/A
	VARNER KIMBERLY PAULA	CHEVRON U.S.A. INC.	0.170	861/185	N/A	N/A	N/A
	WELLMAN RALPH E ET AL	CHEVRON U.S.A. INC.	0.180	861/347	N/A	N/A	N/A
	CASTLE CANDICE J	CHEVRON U.S.A. INC.	0.170	861/257	N/A	N/A	N/A
	SANDOR JASON M	CHEVRON U.S.A. INC.	0.170	862/542	N/A	N/A	N/A
	JORDAN JENNIFER	CHEVRON U.S.A. INC.	0.170	862/599	N/A	N/A	N/A
	SANDOR JAMES M JR	CHEVRON U.S.A. INC.	0.170	862/617	N/A	N/A	N/A

Plat ID	Lessor	Lessee	Royalty	Book/Page	Assignment #1	Assignment #2	Assignment #3
	FLOYD ANDREW W	CHEVRON U.S.A. INC.	0.170	862/581	N/A	N/A	N/A
	HAYS LINDA	CHEVRON U.S.A. INC.	0.170	867/266	N/A	N/A	N/A
	ROWLANDS KEVIN L	CHEVRON U.S.A. INC.	0.170	867/228	N/A	N/A	N/A
	MAZZAFERRO THOMAS	CHEVRON U.S.A. INC.	0.170	867/248	N/A g	2/AL 2/AL 5/AD	N/A
	TRESSLER SANDRA	CHEVRON U.S.A. INC.	0.170	867/120	N/A N/A	_N/₹	N/A
	MAZZAFERRO RONALD	CHEVRON U.S.A. INC.	0.170	867/192	N/A O 77	CAN / SO	N/A
	WELLING JOHN T	CHEVRON U.S.A. INC.	0.170	867/210	VED SYN	2017 Refit	N/A
	WASKO MELANY L	CHEVRON U.S.A. INC.	0.170	867/174	N/A ≥ <b>6</b> 8	22 EM	N/A
	WELLING ROBERT L	CHEVRON U.S.A. INC.	0.170	867/156	N/A H O	WV Department	N/A
	ROGERS LORREN	CHEVRON U.S.A. INC.	0.170	867/138	N/A U		N/A
	WELLING MARK D	CHEVRON U.S.A. INC.	0.170	868/570	N/A E S	A PR	N/A
	WORKMAN THERESA B	CHEVRON U.S.A. INC.	0.170	868/552	N/A S	▼ ① <u>&amp;</u> /A	N/A
	BLAKE JAMES R	CHEVRON U.S.A. INC.	0.170	868/534	SK K K K K K K K K K K K K K K K K K K	N/A N/A	N/A
	SEIBERT RANDY	CHEVRON U.S.A. INC.	0.180	871/290	<sub>N/A</sub>	<b>S</b> - <del>S</del> N/A	N/A
	SEIBERT TERRY	CHEVRON U.S.A. INC.	0.180	875/73	N/A	- IV/A	N/A
	SINCLAIR SHEREE	CHEVRON U.S.A. INC.	0.180	874/616	N/A	W N/A	N/A
	GODFREY BETH	CHEVRON U.S.A. INC.	0.180	875/37	N/A	N/A	N/A
	RICE JAMES E	CHEVRON U.S.A. INC.	0.180	875/19	N/A	N/A	N/A
	RICE STEVE	CHEVRON U.S.A. INC.	0.180	875/1	N/A	N/A	N/A
	PIERSON STEVEN DALE	CHEVRON U.S.A. INC.	0.180	873/215	N/A	N/A	N/A
					26/123	26/201	
	WELLMAN IVAN L ET UX	TRIENERGY HOLDINGS, LLC	0.170	736/352	TRIENERGY HOLDINGS, LLC to	NPAR, LLC to CHEVRON U.S.A.	N/A
					NPAR, LLC	INC.	
					26/123	26/201	
	BLAKE ROBERT K ET UX	TRIENERGY HOLDINGS, LLC	0.170	736/347	TRIENERGY HOLDINGS, LLC to	NPAR, LLC to CHEVRON U.S.A.	N/A
					NPAR, LLC	INC.	·
					26/123	26/201	
	CURRY TIMOTHY L ET UX	TRIENERGY HOLDINGS, LLC	0.170	738/221	·-	NPAR, LLC to CHEVRON U.S.A.	N/A
				,	NPAR, LLC	INC.	4
					26/123	26/201	
	WELLMAN ELMER Z ET UX	TRIENERGY HOLDINGS, LLC	0.170	736/357	· · · · · · · · · · · · · · · · · · ·	NPAR, LLC to CHEVRON U.S.A.	N/A
					NPAR. LLC	INC.	• • •
					26/123	26/201	
	BLAKE CHARLES L ET UX	TRIENERGY HOLDINGS, LLC	0.170	738/236	TRIENERGY HOLDINGS, LLC to	NPAR, LLC to CHEVRON U.S.A.	N/A
					NPAR, LLC	INC.	
					26/123	26/201	
	MORGAN TAMRA C	TRIENERGY HOLDINGS. LLC	0.170	738/241		NPAR, LLC to CHEVRON U.S.A.	N/A
	MONOCH IMMINO	imentation notomos, etc	0.170	, 50/ 271	NPAR, LLC	INC.	14/7

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Plat ID	Lessor	Lessee	Royalty	Book/Page	Assignment #1	Assignment #2	Assignment #3
	MATERIAL CARREST C	TOUCHUEDOV HOLDINGS 110	0.470	720/254	26/123	26/201	A1/4
	WELLMAN GARREN D	TRIENERGY HOLDINGS, LLC	0.170	738/251	TRIENERGY HOLDINGS, LLC to	·	N/A
					NPAR. LLC	INC.	
	5,67,5110,05,44,55,44,5			700/0F5	26/123	26/201	
	DICKERHOOF MARTHA E	TRIENERGY HOLDINGS, LLC	0.170	738/256	TRIENERGY HOLDINGS, LLC to	15.44	N/A
					NPAR, LLC 🚜	TO TO INC.	
					<b>o</b>	<b>运</b> 4/490	25/1
	HALL DALE	TRIENCROVILOI DINICE II C	0.160	coo/22	24/180 TRIENERGY HOLDINGS, ELC to	LC to CHIEF	<b>CHIEF EXPLORATION &amp;</b>
	HALL DALE	TRIENERGY HOLDINGS, LLC	0.160	699/23	TRIENERGY HOLDINGS, ALC to	EXPLORATION &	DEVELOPMENT, LLC to
					NPAR, LL	DESERTE PMENT, LLC	CHEVRON U.S.A. INC.
					NPAR, LLS 24/180 C 5 TRIENERGY HOLDINGS LLG to NPAR, LLC 24/180	<b>2 2</b> /490	25/1
				t	24/180 🔟 🍎	NPAR, EC to CHIEF	CHIEF EXPLORATION &
	SCAMEHORN DENISE	TRIENERGY HOLDINGS, LLC	0.160	699/25	TRIENERGY HOLDING LL to	EXPLORATION &	DEVELOPMENT, LLC to
					NPAR, LLC	DEVELOPMENT, LLC	CHEVRON U.S.A. INC.
					ð	244466	25/1
					,	NPAR, LLC to CHIEF	CHIEF EXPLORATION &
	HALL DAVID	TRIENERGY HOLDINGS, LLC	0.160	699/27	TRIENERGY HOLDINGS, LLC to	EXPLORATION &	DEVELOPMENT, LLC to
					NPAR, LLC	DEVELOPMENT, LLC	CHEVRON U.S.A. INC.
						·	
					24/180	24/466	25/1
	HOLLIDAY DONNA	TRIENERGY HOLDINGS, LLC	0.160	699/31	TRIENERGY HOLDINGS, LLC to	NPAR, LLC to CHIEF	CHIEF EXPLORATION &
		· · · · · · · · · · · · · · · · · · ·		,	NPAR, LLC	EXPLORATION &	DEVELOPMENT, LLC to
					,	DEVELOPMENT, LLC	CHEVRON U.S.A. INC.
	LIGHTNER CECIL R	CHEVRON U.S.A. INC.	0.180	889/472	N/A	N/A	N/A
	YOUNG MELANIE J -SFX	CHEVRON U.S.A. INC.	0.170	875/55	N/A	N/A	N/A
	WELLS APRIL DAWN	CHEVRON U.S.A. INC.	0.170	887/607	N/A	N/A	N/A
	WELLS HARVEY LEE JR	CHEVRON U.S.A. INC.	0.170	887/585	N/A	N/A	N/A
	BLAKE LONNIE V	CHEVRON U.S.A. INC.	0.180	887/570	N/A	N/A	N/A
	PONDER SHIRLEY	CHEVRON U.S.A. INC.	0.160	896/8	N/A	N/A	N/A
	BLAKE EARLE VINCENT - SPL COM DAVID C	CHEVRON U.S.A. INC.	0.160	897/577	N/A ()	N/A	N/A
	WHITE			•	4.3 C	.,	
	EARNEST RACHEL	CHEVRON U.S.A. INC.	0.170	847/218	N/A	N/A	N/A
	GREATHOUSE NANCY	CHEVRON U.S.A. INC.	0.170	861/167	N/A	N/A	N/A
	WELLS STEVEN D	CHEVRON U.S.A. INC.	0.170	861/113	N/A	N/A	N/A
	WELLS DENISE A	CHEVRON U.S.A. INC.	0.170	861/149	N/A	N/A	N/A
	PFAUS GREGORY A	CHEVRON U.S.A. INC.	0.170	849/48	N/A	N/A	N/A
	PFAUS ANDREW	CHEVRON U.S.A. INC.	0.170	849/66	N/A	N/A	N/A
	GUSTIN CATHERINE A	CHEVRON U.S.A. INC.	0.170	848/373	N/A	N/A	N/A
	PFAUS MATHEW	CHEVRON U.S.A. INC.	0.170	849/30	N/A	N/A	N/A
	PRICE MELISSA S	CHEVRON U.S.A. INC.	0.170	849/84	N/A	N/A	N/A

#### HINES M04H

Plat ID	Lessor	Lessee	Royalty	Book/Page	Assignment #1	Assignment #2	Assignment #3
	DANCIK CHANTEE M	CHEVRON U.S.A. INC.	0.170	861/56	N/A	N/A	N/A
	MCCLELLAN ROBERT JOHN	CHEVRON U.S.A. INC.	0.170	861/131	N/A	N/A	N/A
	WAGGONER MELISSA A	CHEVRON U.S.A. INC.	0.170	863/120	N/A	APR 24 2017 WV Department of 医呼吸可有可管原的多种	N/A
	FRANKENFIELD KIMBERLY R	CHEVRON U.S.A. INC.	0.170	853/134	N/A 🕢	_ <b>\\ \\</b>	N/A
	ELDER DEBORAH	CHEVRON U.S.A. INC.	0.170	853/202	N/A N/A (C)	5 <b>%</b>	N/A
	MICHAELS DARCY	CHEVRON U.S.A. INC.	0.170	853/184	11/7	2	N/A
	THURMAN DARLA	CHEVRON U.S.A. INC.	0.170	853/284	WED VA	2017	N/A
	WIDDER MARY	CHEVRON U.S.A. INC.	0.170	863/46	N/A S G		N/A
<u>.</u>	<b>DENNIS RANDALL W</b>	CHEVRON U.S.A. INC.	0.170	862/524	RECEIVED of Oil and	4 1 2	N/A
	WATSON KAY	CHEVRON U.S.A. INC.	0.170	863/64	N/A O		N/A
	MCCLELLAND DONALD	CHEVRON U.S.A. INC.	0.170	863/28	N/A W O	APR Deg	N/A
	MCCLELLAN GEORGE JR	CHEVRON U.S.A. INC.	0.170	863/159	N/A	<u> </u>	N/A
	DAVIS DONNA	CHEVRON U.S.A. INC.	0.170	863/1	N/A <b>₩</b>	⋛₩	N/A
	MCKINNEY DIANA LOUISE	CHEVRON U.S.A. INC.	0.170	859/201	N/A O	<b>-</b> ₩	N/A
14-0012-0024-0000-0000	MINCKS DIANE	CHEVRON U.S.A. INC.	0.170	859/237	N/A	<b>NA</b>	N/A
	MCCLELLAN WAYNE KENNETH	CHEVRON U.S.A. INC.	0.170	859/219	N/A	N/A	N/A
	CURRY BEULAH J	CHEVRON U.S.A. INC.	0.170	861/203	N/A	N/A	N/A
	GEARHART DONALD E	CHEVRON U.S.A. INC.	0.170	861/38	N/A	N/A	N/A
	CURRY AARON	CHEVRON U.S.A. INC.	0.170	861/239	$\mathcal{O} \cap N/A$	N/A	N/A
	PETREE DENISE K	CHEVRON U.S.A. INC.	0.170	861/20	N/A	N/A	N/A
	<b>ROWLANDS GEOFFREY A</b>	CHEVRON U.S.A. INC.	0.170	861/221	N/A	N/A	N/A
	VARNER KIMBERLY PAULA	CHEVRON U.S.A. INC.	0.170	861/185	N/A	. <b>₹ N/A</b>	N/A
	<b>WELLMAN RALPH E ET AL</b>	CHEVRON U.S.A. INC.	0.180	861/347	N/A	N/A	N/A
	CASTLE CANDICE J	CHEVRON U.S.A. INC.	0.170	861/257	N/A	N/A	N/A
	SANDOR JASON M	CHEVRON U.S.A. INC.	0.170	862/542	N/A	N/A	N/A
	JORDAN JENNIFER	CHEVRON U.S.A. INC.	0.170	862/599	N/A	N/A	N/A
	SANDOR JAMES M JR	CHEVRON U.S.A. INC.	0.170	862/617	N/A	N/A	N/A
	FLOYD ANDREW W	CHEVRON U.S.A. INC.	0.170	862/581	N/A	N/A	N/A
	HAYS LINDA	CHEVRON U.S.A. INC.	0.170	867/266	N/A	N/A	N/A
	ROWLANDS KEVIN L	CHEVRON U.S.A. INC.	0.170	867/228	N/A	N/A	N/A
	MAZZAFERRO THOMAS	CHEVRON U.S.A. INC.	0.170	867/248	N/A	N/A	N/A
	TRESSLER SANDRA	CHEVRON U.S.A. INC.	0.170	867/120	N/A	N/A	N/A
	MAZZAFERRO RONALD	CHEVRON U.S.A. INC.	0.170	867/192	N/A	N/A	N/A
	WELLING JOHN T	CHEVRON U.S.A. INC.	0.170	867/210	N/A	N/A	N/A
	WASKO MELANY L	CHEVRON U.S.A. INC.	0.170	867/174	N/A	N/A	N/A
	WELLING ROBERT L	CHEVRON U.S.A. INC.	0.170	867/156	N/A	N/A	N/A
	ROGERS LORREN	CHEVRON U.S.A. INC.	0.170	867/138	N/A	N/A	N/A
	WELLING MARK D	CHEVRON U.S.A. INC.	0.170	868/570	N/A	N/A	N/A
	<b>WORKMAN THERESA B</b>	CHEVRON U.S.A. INC.	0.170	868/552	N/A	N/A	N/A
	BLAKE JAMES R	CHEVRON U.S.A. INC.	0.170	868/534	N/A	N/A	N/A
	SEIBERT RANDY	CHEVRON U.S.A. INC.	0.180	871/290	N/A	N/A	N/A

			HINES IVIU4				
Plat ID	Lessor	Lessee	Royalty	Book/Page	Assignment #1	Assignment #2	Assignment #3
	SEIBERT TERRY	CHEVRON U.S.A. INC.	0.180	875/73	N/A	N/A	N/A
	SINCLAIR SHEREE	CHEVRON U.S.A. INC.	0.180	874/616	N/A	N/AD	N/A
	GODFREY BETH	CHEVRON U.S.A. INC.	0.180	875/37	N/A N/A N/A	OI7	N/A
	RICE JAMES E	CHEVRON U.S.A. INC.	0.180	875/19	N/A	,X/A00	N/A
	RICE STEVE	CHEVRON U.S.A. INC.	0.180	875/1	N/A N/A	2017	N/A
	PIERSON STEVEN DALE	CHEVRON U.S.A. INC.	0.180	873/215	N/A X	STATE OF	N/A
	WELLMAN IVAN L ET UX	TRIENERGY HOLDINGS, LLC	0.170	736/352	26/123 III O	NPAR LLC CLEEVRON U.S.A.	N/A
	BLAKE ROBERT K ET UX	TRIENERGY HOLDINGS, LLC	0.170	736/347	TRIENERGY HOLDINGS, LLC	NPAR, LLC TO CEEVRON U.S.A.	N/A
	CURRY TIMOTHY L ET UX	TRIENERGY HOLDINGS, LLC	0.170	738/221		NPAR, LLC TO DEVRON U.S.A.	N/A
	WELLMAN ELMER Z ET UX	TRIENERGY HOLDINGS, LLC	0.170	736/357		26/701 NPAR, LLC to CHEVRON U.S.A.	N/A
	BLAKE CHARLES L ET UX	TRIENERGY HOLDINGS, LLC	0.170	738/236		26/201 NPAR, LLC to CHEVRON U.S.A.	N/A
	MORGAN TAMRA C	TRIENERGY HOLDINGS, LLC	0.170	738/241		26/201 NPAR, LLC to CHEVRON U.S.A.	N/A
	WELLMAN GARREN D	TRIENERGY HOLDINGS, LLC	0.170	738/251		26/201 NPAR, LLC to CHEVRON U.S.A.	N/A
	DICKERHOOF MARTHA E	TRIENERGY HOLDINGS, LLC	0.170	738/256		26/201 NPAR, LLC to CHEVRON U.S.A.	N/A
	CROW ALAN NEIL	CHEVRON U.S.A. INC.	0.180	889/108	N/A	N/A	N/A
14-0009-0048-0000-0000	CROW RUTH ANN	CHEVRON U.S.A. INC.	0.180	889/113	N/A	N/A	N/A
	NEEHOUSE MARY KATHRYN	CHEVRON U.S.A. INC.	0.180	889/103	N/A	N/A	N/A
14-0009-0049-0002-0000	MASON GEORGE R ET UX	TRIENERGY HOLDINGS, LLC	0.190	699/39	24/180 TRIENERGY HOLDINGS, LLC to	756/332 NPAR, LLC to CHEVRON U.S.A.	N/A
14-0009-0049-0000-0000	STACIE CROSSING ASSOCIATES LP	NPAR, LLC	0.188	731/218	756/332 NPAR, LLC to CHEVRON U.S.A.	N/A	N/A
14-0009-0049-0004-0000	HILL VIEW II LTD PARTNERSHIP	NPAR, LLC	0.188	731/208	756/332 NPAR, LLC to CHEVRON U.S.A.	N/A	N/A
14-0009-0050-0000-0000	ROGERS PATRICK J	TRIENERGY HOLDINGS, LLC	0.190	699/15	24/180 TRIENERGY HOLDINGS, LLC to	756/332 NPAR, LLC to CHEVRON U.S.A.	N/A
	YARBROUGH DEBORAH MAXWELL	CHEVRON U.S.A. INC.	0.180	847/147	N/A	N/A	N/A
	WOODS RAYMOND W	CHEVRON U.S.A. INC.	0.180	868/522	N/A	N/A	N/A
	ANDERSON BONNIE D	CHEVRON U.S.A. INC.	0.180	867/114	N/A	N/A	N/A
	WOODS RICHARD W	CHEVRON U.S.A. INC.	0.180	868/528	N/A	N/A	N/A
	MAXWELL WILLIAM L	CHEVRON U.S.A. INC.	0.180	868/516	N/A	N/A	N/A
	MCINALLY BARBARA A	CHEVRON U.S.A. INC.	0.180	867/27	N/A	N/A	N/A
	MINES WILLIAM J	CHEVRON U.S.A. INC.	0.180	867/13	N/A	N/A	N/A
	MAXWELL STEPHEN LESLIE	CHEVRON U.S.A. INC.	0.180	867/39	N/A	N/A	N/A

Plat ID	Lessor	Lessee	Royalty	Book/Page	Assignment #1	Δ	ssignment #2	Assignment #3
1 Idt ID	TIEMAN BEVERLY K	CHEVRON U.S.A. INC.	0.180	866/633	N/A	<u></u>	N/A	N/A
	GABROVSEK CAROLYN K	CHEVRON U.S.A. INC.	0.180	867/63	N/A		N/A €	N/A N/A
	WAYNE RETTA JANE	CHEVRON U.S.A. INC.	0.180	867/7	N/A	Gas		N/A N/A
	KOESTERS ROBERT	CHEVRON U.S.A. INC.	0.180	867/51	N/A	Ō	N/25 60	N/A
	BERNARD ANNALEE	CHEVRON U.S.A. INC.	0.180	867/45	N/A C		WANGER ZE	N/A
	KOESTERS GARY	CHEVRON U.S.A. INC.	0.180	867/57	N/A			N/A
	MINES ROBERT L JR	CHEVRON U.S.A. INC.	0.180	867/21	PA P	= 4	A A A	N/A N/A
	KOESTERS MICHAEL JOSEPH	CHEVRON U.S.A. INC.	0.180	868/592	N/A U	0 .		N/A N/A
	KURTZ CYNTHIA	CHEVRON U.S.A. INC.	0.180	867/33	N/A LL	Office of o	2 100	
	KOESTERS CHARLES RICHARD	CHEVRON U.S.A. INC.	0.180	866/639	N/A OC			N/A N/A
	YEATER FREDRICK M		0.180	870/199	N/A	Ö	\$ 5	
	TEATER FREDRICK IVI	CHEVRON U.S.A. INC.	0.180	8/0/199	N/A	≒	\\$€	N/A
	DOWLER LOIS W AIF DAVID B DOWLER	CHEVRON U.S.A. INC.	0.180	870/193	N/A	O	F V V V V V V V V V V V V V V V V V V V	N/A
04-0003-0046-0000-0000	BROWN ERIC W	CHEVRON U.S.A. INC.	0.180	870/205	N/A		N/A	N/A
04-0003-0040-0000-0000	MAXWELL DAVID J	CHEVRON U.S.A. INC.	0.180	870/211	N/A		N/A	N/A
	<b>ZULICK HOLLIS</b>	CHEVRON U.S.A. INC.	0.180	869/1	N/A		N/A	N/A
	ZIRINGER LESLIE M	CHEVRON U.S.A. INC.	0.180	870/175	N/A		N/A	N/A
	SCHROTH MELISSA ELAIN	CHEVRON U.S.A. INC.	0.180	870/187	N/A		N/A	N/A
	HUPP HENRY M	CHEVRON U.S.A. INC.	0.180	870/181	N/A		N/A	N/A
	MAXWELL HARRY L AIF BRIAN L MAXWELL	CHEVRON U.S.A. INC.	0.180	872/367	AN/A	6 - 1	N/A	N/A
	BROWN CLARENCE R	CHEVRON U.S.A. INC.	0.180	870/229	N/A	t.	N/A	N/A
	MAXWELL JAMES H	CHEVRON U.S.A. INC.	0.180	870/217	N/A		N/A	N/A
	MORGAN MARY A	CHEVRON U.S.A. INC.	0.180	870/223	N/A		N/A	N/A
	ROGERSON NILA ELAINE AIF GARY ROGERSON	CHEVRON U.S.A. INC.	0.180	868/194	N/A		N/A	N/A
	HUNT MARK DAVID	CHEVRON U.S.A. INC.	0.180	868/628	N/A		N/A	N1/A
	BROWN CHRISTOPHER M	CHEVRON U.S.A. INC.	0.180	868/598	N/A N/A		N/A N/A	N/A
	ARMSTRONG BEVERLY JOYCE	CHEVRON U.S.A. INC.	0.180	868/640				N/A
	CELLARS JEFFREY LYNN	CHEVRON U.S.A. INC.	0.180	868/634	N/A N/A		N/A N/A	N/A
		CHEVRON U.S.A. INC.	0.180	872/403	N/A N/A		•	N/A
	BROWN KEVIN MERLE CELLARS CHARLES EDWARD	CHEVRON U.S.A. INC.	0.180	872/385			N/A	N/A
	CELLARS CHARLES EDWARD  CELLARS JD	CHEVRON U.S.A. INC.	0.180	872/385 872/397	N/A N/A		N/A N/A	N/A
	CELLARS THOMAS WILLIAM	CHEVRON U.S.A. INC.	0.180	872/373	-			N/A
			0.180	872/373 872/379	N/A		N/A	N/A
	CELLARS DONALD WAYNE	CHEVRON U.S.A. INC.		•	N/A		N/A	N/A
	CELLARS TERRY ALAN	CHEVRON U.S.A. INC.	0.180	872/391	N/A		N/A	N/A
	YARBROUGH DEBORAH MAXWELL	CHEVRON U.S.A. INC.	0.180	847/147	N/A		N/A	N/A
	WOODS RAYMOND W	CHEVRON U.S.A. INC.	0.180	868/522	N/A		N/A	N/A
	ANDERSON BONNIE D	CHEVRON U.S.A. INC.	0.180	867/114	N/A		N/A	N/A
	WOODS RICHARD W	CHEVRON U.S.A. INC.	0.180	868/528	N/A		N/A	N/A
	MAXWELL WILLIAM L	CHEVRON U.S.A. INC.	0.180	868/516	N/A		N/A	N/A

			1	<del></del>				
Plat ID	Lessor	Lessee	Royalty	Book/Page	Assignment #1	A	ssignment #2	Assignment #3
-	MCINALLY BARBARA A	CHEVRON U.S.A. INC.	0.180	867/27	N/A		N/A <sub>CE</sub>	N/A
	MINES WILLIAM J	CHEVRON U.S.A. INC.	0.180	867/13	N/A	Gas	z zwyzdąbetenente e z z Erylionimonel Protection	N/A
	MAXWELL STEPHEN LESLIE	CHEVRON U.S.A. INC.	0.180	867/39	N/A	(A)	<b>85</b> 465	N/A
	TIEMAN BEVERLY K	CHEVRON U.S.A. INC.	0.180	866/633	N/A	77 ~	₩ <b>₩</b>	N/A
	GABROVSEK CAROLYN K	CHEVRON U.S.A. INC.	0.180	867/63	N/A 🔐	and 2017	图场:	N/A
	WAYNE RETTA JANE	CHEVRON U.S.A. INC.	0.180	867/7	N/A ₹	<b>國</b> 乙	<b>A</b>	N/A
	KOESTERS ROBERT	CHEVRON U.S.A. INC.	0.180	867/51	N/A CIII N/A XXI N/A XXI	Q %	74 ATC	N/A
	BERNARD ANNALEE	CHEVRON U.S.A. INC.	0.180	867/45	N/A C	<b></b>	OLAE.	N/A
	KOESTERS GARY	CHEVRON U.S.A. INC.	0.180	867/57	N/A CE	A P.R	<b>7</b> / <b>E</b>	N/A
	MINES ROBERT L JR	CHEVRON U.S.A. INC.	0.180	867/21	N/A			N/A
	KOESTERS MICHAEL JOSEPH	CHEVRON U.S.A. INC.	0.180	868/592	N/A	Ē	<b>≨</b> 4/ <u>₽</u> 2	N/A
	KURTZ CYNTHIA	CHEVRON U.S.A. INC.	0.180	867/33	N/A	<b>O</b>	7\/ <u>F</u>	N/A
	KOESTERS CHARLES RICHARD	CHEVRON U.S.A. INC.	0.180	866/639	N/A		NA	N/A
	YEATER FREDRICK M	CHEVRON U.S.A. INC.	0.180	870/199	N/A		N/A	N/A
	DOWLER LOIS W AIF DAVID B DOWLER	CHEVRON U.S.A. INC.	0.180	870/193	N/A		N/A	N/A
04 0002 0046 0001 0000	BROWN ERIC W	CHEVRON U.S.A. INC.	0.180	870/205	N/A		N/A	N/A
04-0003-0046-0001-0000	MAXWELL DAVID J	CHEVRON U.S.A. INC.	0.180	870/211	N/A		N/A	N/A
	ZULICK HOLLIS	CHEVRON U.S.A. INC.	0.180	869/1	N/A		N/A	N/A
	ZIRINGER LESLIE M	CHEVRON U.S.A. INC.	0.180	870/175	N/A		N/A	N/A
	SCHROTH MELISSA ELAIN	CHEVRON U.S.A. INC.	0.180	870/187	N/A		N/A	N/A
	HUPP HENRY M	CHEVRON U.S.A. INC.	0.180	870/181	N/A		N/A	N/A
	MAXWELL HARRY L AIF BRIAN L MAXWELL	CHEVRON U.S.A. INC.	0.180	872/367	N/A		N/A	N/A
	BROWN CLARENCE R	CHEVRON U.S.A. INC.	0.180	870/229	47 N/A		N/A	N/A
	MAXWELL JAMES H	CHEVRON U.S.A. INC.	0.180	870/217	ĺ ∂N/A		N/A	N/A
	MORGAN MARY A	CHEVRON U.S.A. INC.	0.180	870/223	N/A (/ /		N/A	N/A
	ROGERSON NILA ELAINE AIF GARY ROGERSON	CHEVRON U.S.A. INC.	0.180	868/194	N/A		N/A	N/A
	HUNT MARK DAVID	CHEVRON U.S.A. INC.	0.180	868/628	N/A		N/A	N/A
	BROWN CHRISTOPHER M	CHEVRON U.S.A. INC.	0.180	868/598	N/A		N/A	N/A
	ARMSTRONG BEVERLY JOYCE	CHEVRON U.S.A. INC.	0.180	868/640	N/A		N/A	N/A
	CELLARS JEFFREY LYNN	CHEVRON U.S.A. INC.	0.180	868/634	N/A		N/A	N/A
	BROWN KEVIN MERLE	CHEVRON U.S.A. INC.	0.180	872/403	N/A		N/A	N/A
	CELLARS CHARLES EDWARD	CHEVRON U.S.A. INC.	0.180	872/385	N/A		N/A	N/A
	CELLARS JD	CHEVRON U.S.A. INC.	0.180	872/397	N/A		N/A	N/A
	CELLARS THOMAS WILLIAM	CHEVRON U.S.A. INC.	0.180	872/373	N/A		N/A	N/A
	CELLARS DONALD WAYNE	CHEVRON U.S.A. INC.	0.180	872/379	N/A		N/A	N/A
	CELLARS TERRY ALAN	CHEVRON U.S.A. INC.	0.180	872/391	N/A		N/A	N/A
				854/306			N/A	
	CHAMBERLAIN ERIC	CHEVRON U.S.A. INC.	0.160	634/3UD	N/A		' 19/A	N/A

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Plat ID	Lessor	Lessee	Royalty	Book/Page	Assignment #1	MAssignment #2	Assignment #3
	CHAMBERLAIN ALYN BRENT	CHEVRON U.S.A. INC.	0.160	854/269	N/A	Ø N/A D Ø	N/A
	CHAMBERLAIN TODD	CHEVRON U.S.A. INC.	0.160	867/284	N/A	N//\ ====	N/A
	PLOWDEN GERALDINE	CHEVRON U.S.A. INC.	0.180	880/335	N/A	田 足 超	N/A
	LARSON BARRY F ET UX	CHEVRON U.S.A. INC.	0.160	854/287	N/A	CEIVED I Oil and SYAUR Partment	N/A
	CARTWRIGHT JULIE	CHEVRON U.S.A. INC.	0.160	863/101	N/A		N/A
	BIETH GREG	CHEVRON U.S.A. INC.	0.160	863/82	N/A		N/A
	KELLER JENNIFER	CHEVRON U.S.A. INC.	0.160	854/358	N/A	RECOffice of Office of WV Ciel	N/A
	BIETH TANYA	CHEVRON U.S.A. INC.	0.160	854/396	N/A	RE O O O O O O O O O O O O O O O O O O O	N/A
	JONES DALE	CHEVRON U.S.A. INC.	0.160	854/377	N/A	₩ N/A Ž	N/A
4-0009-0007-0002-0000	PLOWDEN GERALDINE	CHEVRON U.S.A. INC.	0.180	880/335	N/A	0 <sub>N/A</sub> ~ ≥	N/A
	NIX PAUL C	CHEVRON U.S.A. INC.	0.180	873/177	N/A	N/A	N/A
	FIRST UNITED METHODIST CHURCH OF ORLANDO	CHEVRON U.S.A. INC.	0.160	873/196	N/A	N/A	N/A
	DIXIE UNITED METHODIST CHURCH	CHEVRON U.S.A. INC.	0.160	889/160	N/A	N/A	N/A
	BISHOP GRAY RETIREMENT FOUNDATION	CHEVRON U.S.A. INC.	0.180	889/179	N/A	N/A	N/A
	LARSON JOYCE K	CHEVRON U.S.A. INC.	0.160	889/199	N/A	N/A	N/A
	FL UNITED METHODIST CHILDRENS HOME INC	CHEVRON U.S.A. INC.	0.180	887/398	N/A	N/A	N/A
	EMMANUEL EPISCOPAL CHURCH	CHEVRON U.S.A. INC.	0.160	901/172	N/A -	N/A	N/A
	EDGEWOOD CHILDRENS RANCH INC	CHEVRON U.S.A. INC.	0.180	887/378	& N/AG E	N/A	N/A
	CHAMBERLAIN ERIC	CHEVRON U.S.A. INC.	0.160	854/306	Ň/A <sup>C.</sup>	N/A	N/A
	CHAMBERLAIN BRAD	CHEVRON U.S.A. INC.	0.160	854/247	N/A	N/A	N/A
	CHAMBERLAIN ALYN BRENT	CHEVRON U.S.A. INC.	0.160	854/269	N/A	N/A	N/A
	CHAMBERLAIN TODD	CHEVRON U.S.A. INC.	0.160	867/284	N/A	N/A	N/A
	PLOWDEN GERALDINE	CHEVRON U.S.A. INC.	0.180	880/335	N/A	N/A	N/A
	LARSON BARRY F ET UX	CHEVRON U.S.A. INC.	0.160	854/287	N/A	N/A	N/A
	CARTWRIGHT JULIE	CHEVRON U.S.A. INC.	0.160	863/101	N/A	N/A	N/A
	BIETH GREG	CHEVRON U.S.A. INC.	0.160	863/82	N/A	N/A	N/A
	KELLER JENNIFER	CHEVRON U.S.A. INC.	0.160	854/358	N/A	N/A	N/A
	BIETH TANYA	CHEVRON U.S.A. INC.	0.160	854/396	N/A	N/A	N/A
	JONES DALE	CHEVRON U.S.A. INC.	0.160	854/377	N/A	N/A	N/A
4-0009-0007-0008-0000	PLOWDEN GERALDINE	CHEVRON U.S.A. INC.	0.180	880/335	N/A	N/A	N/A
	NIX PAUL C	CHEVRON U.S.A. INC.	0.180	873/177	N/A	N/A	N/A
	FIRST UNITED METHODIST CHURCH OF ORLANDO	CHEVRON U.S.A. INC.	0.160	873/196	N/A	N/A	N/A
	DIXIE UNITED METHODIST CHURCH	CHEVRON U.S.A. INC.	0.160	889/160	N/A	N/A	N/A
	BISHOP GRAY RETIREMENT FOUNDATION	CHEVRON U.S.A. INC.	0.180	889/179	N/A	N/A	N/A
	LARSON JOYCE K	CHEVRON U.S.A. INC.	0.160	889/199	N/A	N/A	N/A

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Plat ID	Lessor	Lessee	Royalty	Book/Page	Assignment #1	Assignment #2	1	Assignment #3
	FL UNITED METHODIST CHILDRENS HOME INC	CHEVRON U.S.A. INC.	0.180	887/398	N/A	VE An	i Fr	N/A
	EMMANUEL EPISCOPAL CHURCH	CHEVRON U.S.A. INC.	0.160	901/172	N/A		<b>3</b>	N/A
	EDGEWOOD CHILDRENS RANCH INC	CHEVRON U.S.A. INC.	0.180	887/378	N/A 28/348	E of	200	N/A
14-0009-0007-0001-0000	SULLIVAN ROBERT B	TRIENERGY HOLDINGS, LLC	0.180	740/368	TRIENERGY HOLDINGS, LLC to		25	N/A
14-0009-0007-0007-0000	SULLIVAN ROBERT B	TRIENERGY HOLDINGS, LLC	0.180	740/368	TRIENERGY HOLDINGS, LLC to	N/A		N/A



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.

Appalachian Mountain Business Unit

Chevron North America Exploration and Production Company A division of Chevron U.S.A. Inc.

700 Cherrington Parkway, Coraopolis, PA 15108 Tel 412 865 1488

KellyBass@Chevron.com

\$>0s

Sincerely,

Kelly Bass

Land Representative

RECEIVED. Office of Oil and Gas

APR 24 2017 08/18/2017

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

Date of Notice Certification: 04/13/2017	API No. 47		
	-	Well No. Hines MO	4H
N. d. a. a.	Well Pad N	Name: Hines	
Notice has been given:			
Pursuant to the provisions in West Virginia Code § 22-6A, the below for the tract of land as follows:	Operator has provided the rec	luired parties with	the Notice Forms listed
State: West Virginia	Easting:	525699.01	
County: Marshall	UTM NAD 83 Pasting: Northing:	4417396.15	
District: Washington	Public Road Access:	Route 38/Campbell H	tiil Road
	Generally used farm name:	Hines	
Watershed: Middle Grave Creek - Grave Creek	· · · · · · · · · · · · · · · · · · ·		
	A S		
Pursuant to West Virginia Code § 22-6A-7(b), every permi	t application filed under thi	s section shall be	e on a form as may be
prescribed by the secretary, shall be verified and shall contain			
it has provided the owners of the surface described in subdi	visions (1), (2) and (4), subs	ection (b), sectio	n ten of this article, the
information required by subsections (b) and (c), section sixteer	of this article; (ii) that the re	quirement was dec	emed satisfied as a result
of giving the surface owner notice of entry to survey pursua	nt to subsection (a), section	ten of this article	six-a; or (iii) the notice
requirements of subsection (b), section sixteen of this article	were waived in writing by	the surface owner	r; and Pursuant to West
Virginia Code § 22-6A-11(b), the applicant shall tender proof of this article have been completed by the applicant.	of and certify to the secretary	that the notice red	quirements of section ten
of this article have been completed by the applicant.			
Pursuant to West Virginia Code § 22-6A, the Operator has at	tacked proof to this Notice C	ertification	egasti ji a lata a
that the Operator has properly served the required parties wit		ertification	
	ii tiic ione wing.	1.	OOG OFFICE USE
*PLEASE CHECK ALL THAT APPLY		[ 4]	ONLY
☐ 1. NOTICE OF SEISMIC ACTIVITY or ■ NOTICE	CE MOT DECLUDED DECAL	ISE NO	7 2222
	•		RECEIVED/
SEISMIC A	ACTIVITY WAS CONDUC	IED	NOT REQUIRED
☐ 2. NOTICE OF ENTRY FOR PLAT SURVEY or ■ 1	NO PLATSLIBVEY WAS CO	ONDUCTED	7 program
2. Notice of ENTRY TORYEAT SORVET OF ENTRY	TOTEAT SORVET WAS CO	INDUCTED	RECEIVED
■ 3. NOTICE OF INTENT TO DRILL or □ NOTICE	CE NOT REQUIRED BECAU	ISF	RECEIVED/
	OF ENTRY FOR PLAT SURV		
l control of the cont	DUCTED or	VEY	NOT REQUIRED
WASCON	DOCTED OF		
□ WRIT	TEN WAIVER BY SURFA	CE OWNER	
		CL OWNER	
(PL)	EASE ATTACH)		
■ 4. NOTICE OF PLANNED OPERATION		[	RECEIVED
		120	
■ 5. PUBLIC NOTICE		[	RECEIVED
6. NOTICE OF APPLICATION		·L	RECEIVED

#### **Required Attachments:**

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

APR 2 4 2017



WW-6AC (1/12)

Its:

#### Certification of Notice is hereby given:

THEREFORE, I Jenny Hayes , have read and understand the notice requirements within West Virginia Code § 22-6A. I certify that as required under West Virginia Code § 22-6A, I have served the attached copies of the Notice Forms, identified above, to the required parties through personal service, by registered mail or by any method of delivery that requires a receipt or signature confirmation. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this Notice Certification and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator: Chevron Appalachia, LLC By:

Permitting Team Lead

Telephone: 724-564-3755 Address: 800 Mountain View Drive

Smithfield, PA 15478

Facsimile: 724-564-3894

Email:

COMMONWEALTHROFFRENNSYLVANIA

NOTARIAL SEAL Kristen Brooks, Notary Public Smithfield Boro, Fayette County My Commission Expires Sept. 2, 2018 MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES Subscribed and sworn before me this 13 Hday of April, 2017. 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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RECEIVED Office of Oil and Gas

APR 2 4 2017

WV Department of Environmental Presentation

WW-6AW	1
(1-12)	

API NO.	
OPERATOR WELL NO.	Hines M04H
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 , including the erosion and sediment control plan, if required, and the well plat, all for proposed consisting of pages one (1) through well work on the tract of land as follows: State: West Virginia Easting: 1,663,491.354 WVSPN NAD 27 County: Marshall Northing: 514,415.442 Public Road Access: District: Washington Quadrangle: MOUNDSVILLE Generally used farm name: Watershed: I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials, provided that Chevron U.S.A. Inc. drills the well on WV North NAD27 coordinates of North 514,415.442, East 1,663,491.354. This statement does not serve as notice that has waived its rights to mine all the coal or accept any responsibility for any damage to the well or surface facilities associated with the well by mining activity. This Voluntary Statement of No Objection does not waive 's Common Law Property Rights in the State of West Virginia. FOR EXECUTION BY A NATURAL PERSON \*Please check the box that applies ☐ SURFACE OWNER Signature: SURFACE OWNER (Road and/or Other Disturbance) Print Name: Date: SURFACE OWNER (Impoundments/Pits) FOR EXECUTION BY A CORPORATION, ETC. Company: CONSOL Mining Company, LLC

By:

Signature:

Its:

Oil and Gas Privacy Notice:

**⊠COAL OPERATOR** 

☐WATER PURVEYOR

**⊠COAL OWNER OR LESSEE** 

OPERATOR OF ANY NATURAL GAS STORAGE FIELD

WV Department of

Casey V. Saunders

RECEDITOR Engineer

The Office of Oil and Gas processes your personal information, such as name, address and telepholian will an address and telepholian transfer of Oil and Gas processes your personal information, such as name, address and telepholian transfer of Oil and Gas processes your personal information, such as name, address and telepholian transfer of Oil and Gas processes your personal information, such as name, address and telepholian transfer of Oil and Gas processes your personal information and the office of Oil and Gas processes your personal information and the office of Oil and Gas processes your personal information and the office of Oil and Gas processes your personal information and the office of Oil and Gas processes your personal information and the office of Oil and Gas processes your personal information and the office of Oil and Gas processes your personal information and the office of Oil and Gas processes your personal information and the office of Oil and Oil 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.



#### **CNX Coal Resources LP**

CNX Center 1000 Consol Energy Drive Canonsburg, PA 15317

phone: 724.663.7106 fax: 724.663.7159

e-mail: CaseySaunders@cnxlp.com

CASEY V. SAUNDERS Senior Project Engineer

April 3, 2017

Mr. James Martin West Virginia Department of Environmental Protection 601 57<sup>th</sup> Street Office of Oil & Gas Charleston, West Virginia 25304

RE: Chevron U.S.A. Inc. Proposed Hines M04H-M11H Wells

Dear Mr. Martin,

CONSOL Mining Company, LLC does not object to the Chevron U.S.A. Inc. well drilling applications for the above referenced proposed wells. Attached is the voluntary statement of no objection form WW-6AW. Please be aware that CONSOL Mining Company, LLC owns the Pittsburgh Seam at the location referenced in the permit applications. If you have any questions or require additional information, please contact me at 724-663-7106.

Sincerely,

Casey V. Saunders

Senior Project Engineer

BESEIVED Office of Oil and Gas

APR 0 7 2017

WV Department of Environmental Protection WW-6A (9-13)

API NO. 47-	Z,	
PERATOR WELI	NO.	Hines M04H
Well Pad Name: Hir	nes	

# 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 th	an the filing date of permit application.
Date of Notice: 3/10/17Date Permit Application Filed: 4	120/17
PERMIT FOR ANY WELL WORK CONSTRUCTION OF	
WELL WORK CONSTRUCTION OF	AN IMPOUNDMENT OR PIT
Delivery method pursuant to West Virginia Code § 22-6A-1	0(b)
	IOD OF DELIVERY THAT REQUIRES A IPT OR SIGNATURE CONFIRMATION
registered mail or by any method of delivery that requires a receipt sediment control plan required by section seven of this article, and the surface of the tract on which the well is or is proposed to be located and gas leasehold being developed by the proposed well work, it described in the erosion and sediment control plan submitted pursus operator or lessee, in the event the tract of land on which the well proposed seams; (4) The owners of record of the surface tract or to well work, if the surface tract is to be used for the placement, construction and the surface tract is to be used for the placement, construction and the surface tract of the surface tract of the surface tract of the surface tract of the section nine of this article; (5) 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 thresubsection (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 no	nt may serve the documents required upon the person described in the eight, article one, chapter eleven-a of this code. (2) Notwithstanding any t 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.
SURFACE OWNER(s)	☐ COAL OWNER OR LESSEE
Name: Donald Hines and Wanda L Hines	Name: Consol Mining Company LLC
Address: 301 4th Street	Address: 1000 Consol Energy Drive
Glen Dale, WV 26038	Canonsburg, PA 15317
Name:	COAL OPERATOR
Address:	Name:
= CLIDE LOE ON A IED ( ) (D. 1 1/1 Oct. D. 1 1/1 )	Address:
SURFACE OWNER(s) (Road and/or Other Disturbance)	TOURS A CE ONNIER OF WATER WELL
Name:	SURFACE OWNER OF WATER WELL
Address:	AND/OR WATER PURVEYOR(s)
Ý.	Name: see attached
Name:	Address:
Address:	HOPERATOR OF ANY NATURAL CARECEIVED IN
SUBEACE OWNER(s) (Impounderants on Bits)	Name: Office of Oil and O
SURFACE OWNER(s) (Impoundments or Pits)	OPERATOR OF ANY NATURAL GAS STORAGE PELD  Name: Address:
Name:Address:	
Additions.	*Please attach additional forms if necessary
	WV Department of Environmental Protect n
	(1)

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

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

Bobby G Baker RD 3 Box 249 Moundsville, WV 26041

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

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

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

Morgan Lacefield 77 Bridge St. Plz Moundsville, WV 26041

Gerald Oliver 816 Toms Run Lane Moundsville, WV 26041

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

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Office of Oil and Gas

APR 24 2017

WV Department of Environmental Protection

WW-6A
(8-13)

API NO. 47	
OPERATOR WELL NO.	Hines M04H
Well Pad Name: Hines	

#### Notice is hereby given:

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

#### This Notice Shall Include:

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

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

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

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

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

#### **Well Location Restrictions**

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. Frequency, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. permit conditions as the secretary considers necessary. (c) Notwithstanding the foregoin of this and the secretary considers necessary. in this section prevents an operator from conducting the activities permitted or authorized by a Clean Water Act Section 404 permit or other approval from the United States Army Corps of Engineers within any waters of the state of spithin the restricted areas referenced in this section. (d) The well location restrictions set forth in this section shall not apply to any well on a multiple well pad if at least one of the wells was permitted prior to the effective date of this article. (e) The secretary shall, by December 31, 2012, report to the Legislature on the noise, light, dust and volatile organic compounds generated by the drifting of the drifting of the relate to the well location restrictions regarding occupied dwelling structures pursuant to this section restrictions regarding occupied dwelling structures pursuant to this section restrictions regarding occupied dwelling structures pursuant to this section restrictions regarding occupied dwelling structures pursuant to this section restrictions regarding occupied dwelling structures pursuant to this section restrictions regarding occupied dwelling structures pursuant to this section restrictions regarding occupied dwelling structures pursuant to this section restriction restrictions regarding occupied dwelling structures pursuant to this section restriction restriction restrictions regarding occupied dwelling structures pursuant to this section restriction restric the well location restrictions regarding occupied dwelling structures are inadequate or otherwise require alteration to address the items

WW-6A	
(8-13)	

API NO. 47	
OPERATOR WELL	VO. Hines M04H
Well Pad Name: Hines	

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

#### Water Well Testing:

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

#### Water Testing Laboratories:

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

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

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

#### Written Comment:

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

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

RECEIVED
Office of Oil and Gas

Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to

test water. NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

WV Department of

Environmental Protection

08/18/2017

WW-6A (8-13)

API NO. 47	
OPERATOR WELL NO.	Hines M04H
Well Pad Name: Hines	

#### Time Limits and Methods for Filing Comments.

The law requires these materials to be served on or before the date the operator files its Application. You have THIRTY (30) DAYS after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Pursuant to West Virginia Code § 22-6A-11(c)(2), Any objections of the affected coal operators and coal seam owners and lessees shall be addressed through the processes and procedures that exist under sections fifteen, seventeen and forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article. The written comments filed by the parties entitled to notice under subdivisions (1), (2), (4), (5) and (6), subsection (b), section ten of this article shall be considered by the secretary in the permit issuance process, but the parties are not entitled to participate in the processes and proceedings that exist under sections fifteen, seventeen or forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article.

#### **Comment Requirements**

Your comments must be in writing and include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

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

#### **Permit Denial or Condition**

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

- (1) The proposed well work will constitute a mazara to the second (2) The plan for soil erosion and sediment control is not adequate or effective;

  (2) The plan for soil erosion and sediment control is not adequate or effective;

  (3) The plan for soil erosion and sediment control is not adequate or effective;
- (4) The proposed well work fails to protect fresh water sources or supplies.

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

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

WW-6A (8-13)

API NO. 47-OPERATOR WELL NO. Hines M04H Well Pad Name: Hines

Notice is hereby given by:

Well Operator: Chevron Appalachia, LLC

Telephone: 724-564-3700

Email:

Address: 800 Mountain View Drive Smithfield, PA 15478

Facsimile: 724-564-3894

Oil and Gas Privacy Notice:

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

Jenny Heys

## 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

Kustu Boolo

Notary Pub

My Commission Expires Sept 2, 201

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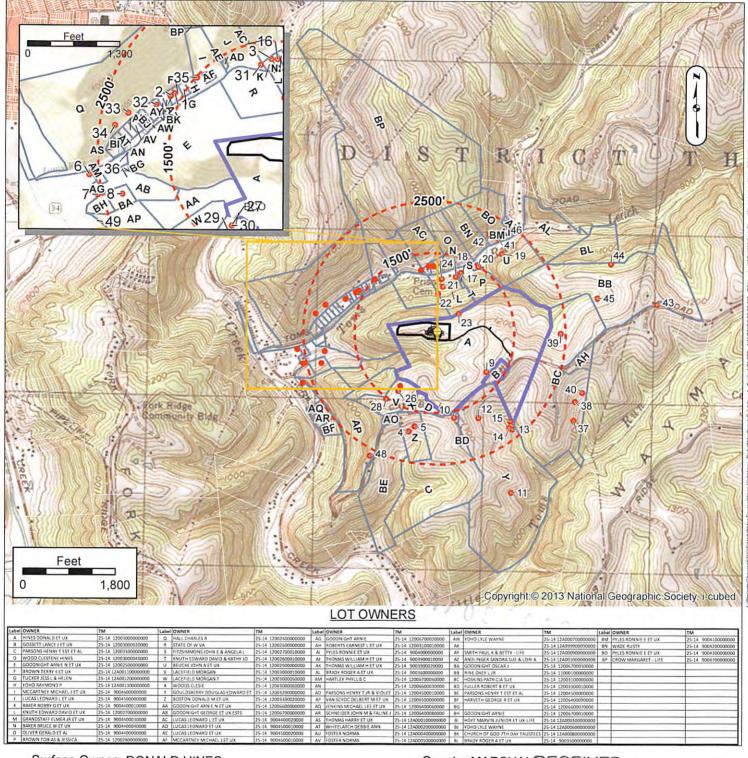
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APR 2 4 2017

WV Department of Environmental Protection







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: MARSHALRECEIVED

Township: MOUNDSWILDE, WW and Gas

GROUNDWATER & ENVIRONMENTAL

Surveyor: SERVICES, INFR 2 4 7017

Address: 301 COMMERCE PARK DR

CRANBERRY TOWNSHIP PA 16066

Phone: 806-1281/25491ental Protection





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	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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WV Department of Environmental Protection





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

No.	SUPPLY COORDINATES	H04M	H05M	H06M	H07M	M80H	H09M	H10M	H11M
16	39°54'35.265" N 80°41'57.447" W	1,289	1,304	1,319	1,334	1,335	1,320	1,305	1,290
17	39°54'34.110" N 80°41'50.506" W	1,297	1,311	1,325	1,339	1,327	1,313	1,299	1,285
18	39°54'33.332" N 80°41'51.777" W	1,185	1,199	1,213	1,227	1,217	1,203	1,189	1,175
19	39°54'37.871" N 80°41'40.362" W	2,056	2,067	2,079	2,091	2,072	2,060	2,048	2,037
20	39°54'35,305" N 80°41'46,201" W	1,571	1,583	1,596	1,609	1,593	1,580	1,567	1,555
21	39°54'31.392" N 80°41'54.974" W	921	935	950	965	960	945	930	915
22	39°54'29,966" N 80°41'56,148" W	762	777	791	806	803	788	773	758
23	39°54'26.226" N 80°41'50.920" W	644	653	662	672	649	639	629	620
24	39°54'32.857" N 80°41'55.287" W	1,061	1,076	1,091	1,106	1,102	1,087	1,072	1,057
25	39°54'09.647" N 80°42'08.715" W	1,564	1,551	1,539	1,526	1,543	1,555	1,568	1,580
26	39°54'11.242" N 80°42'05.723" W	1,305	1,292	1,278	1,265	1,280	1,293	1,306	1,319
27	39°54'12.196" N 80°42'05.270" W	1,203	1,190	1,177	1,164	1,179	1,192	1,205	1,218
28	39°54'09.647" N 80°42'08.715" W	1,564	1,551	1,539	1,526	1,543	1,555	1,568	1,580
29	39°54'11.242" N 80°42'05.723" W	1,305	1,292	1,278	1,265	1,280	EIN PED	1,306	1,319
30	39°54'12.196" N 80°42'05.270" W	1,203	1,190	1,177	1,164	100	1 100 01	Ga305	1,218

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WV Department of Environmental Protection





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

SUPPLY COORDINATES	H04M	H05M	H06M	H07M	H08M	HO9M	H10M	H11M
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
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
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
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
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
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
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
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°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
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
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
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
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
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
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
				Office	of Oll f	and cass	Ote	
	39°54'34.462" N 80°42'00.486" W 39°54'28.713" N 80°42'19.263" W 39°54'27.565" N 80°42'24.278" W 39°54'25.851" N 80°42'26.683" W 39°54'32.558" N 80°42'11.984" W 39°54'18.6012"N 80°42'21.284" W 39°54'06.1092"N 80°41'21.7284" W 39°54'09.6840"N 80°41'21.4440" W 39°54'22.6440"N 80°41'25.2816" W 39°54'11.4516"N 80°41'19.6764" W 39°54'40.6620"N 80°41'41.1648" W 39°54'41.2812"N 80°41'43.4832" W 39°54'28.5516"N 80°41'01.3488" W 39°54'36.2196"N 80°41'12.9444" W	39°54'34.462" N 80°42'00.486" W 1,228 39°54'28.713" N 80°42'19.263" W 1,798 39°54'27.565" N 80°42'24.278" W 2,139 39°54'25.851" N 80°42'26.683" W 2,289 39°54'32.558" N 80°42'11.984" W 1,510 39°54'18.6012"N 80°42'21.7284" W 3,254 39°54'06.1092"N 80°41'21.7284" W 3,254 39°54'09.6840"N 80°41'21.4440" W 3,106 39°54'22.6440"N 80°41'25.2816" W 2,521 39°54'11.4516"N 80°41'19.6764" W 3,163 39°54'40.6620"N 80°41'41.1648" W 2,239 39°54'41.2812"N 80°41'43.4832" W 2,194 39°54'28.5516"N 80°41'12.9444" W 3,748	39°54'34.462" N 80°42'00.486" W       1,228       1,243         39°54'28.713" N 80°42'19.263" W       1,798       1,803         39°54'27.565" N 80°42'24.278" W       2,139       2,142         39°54'25.851" N 80°42'26.683" W       2,289       2,291         39°54'32.558" N 80°42'11.984" W       1,510       1,520         39°54'18.6012"N 80°42'24.3252"W       2,117       2,114         39°54'06.1092"N 80°41'21.7284"W       3,254       3,247         39°54'09.6840"N 80°41'21.4440"W       3,106       3,100         39°54'22.6440"N 80°41'25.2816"W       2,521       2,522         39°54'11.4516"N 80°41'19.6764"W       3,163       3,159         39°54'40.6620"N 80°41'41.1648"W       2,239       2,252         39°54'41.2812"N 80°41'101.3488"W       2,194       2,208         39°54'28.5516"N 80°41'101.3488"W       4,428       4,431         39°54'36.2196"N 80°41'12.9444"W       3,748       3,754	39°54'34.462" N 80°42'00.486" W       1,228       1,243       1,258         39°54'28.713" N 80°42'19.263" W       1,798       1,803       1,808         39°54'27.565" N 80°42'24.278" W       2,139       2,142       2,145         39°54'25.851" N 80°42'26.683" W       2,289       2,291       2,293         39°54'32.558" N 80°42'11.984" W       1,510       1,520       1,530         39°54'18.6012"N 80°42'24.3252"W       2,117       2,114       2,111         39°54'06.1092"N 80°41'21.7284"W       3,254       3,247       3,240         39°54'09.6840"N 80°41'21.4440"W       3,106       3,100       3,094         39°54'22.6440"N 80°41'25.2816"W       2,521       2,522       2,522         39°54'1.1.4516"N 80°41'19.6764"W       3,163       3,159       3,154         39°54'40.6620"N 80°41'41.1648"W       2,239       2,252       2,264         39°54'28.5516"N 80°41'01.3488"W       4,428       4,431       4,433         39°54'36.2196"N 80°41'12.9444"W       3,748       3,754       3,760	39°54'34.462" N 80°42'00.486" W 1,228 1,243 1,258 1,272 39°54'28.713" N 80°42'19.263" W 1,798 1,803 1,808 1,813 39°54'27.565" N 80°42'24.278" W 2,139 2,142 2,145 2,149 39°54'25.851" N 80°42'26.683" W 2,289 2,291 2,293 2,295 39°54'32.558" N 80°42'11.984" W 1,510 1,520 1,530 1,540 39°54'18.6012"N 80°42 24.3252"W 2,117 2,114 2,111 2,108 39°54'06.1092"N 80°41'21.7284"W 3,254 3,247 3,240 3,233 39°54'09.6840"N 80°41'21.4440"W 3,106 3,100 3,094 3,088 39°54'22.6440"N 80°41'25.2816"W 2,521 2,522 2,522 2,523 39°54'11.4516"N 80°41'19.6764"W 3,163 3,159 3,154 3,149 39°54'40.6620"N 80°41'41.1648"W 2,239 2,252 2,264 2,277 39°54'41.2812"N 80°41'01.3488"W 2,194 2,208 2,220 2,234 39°54'29.6064"N 80°41'12.9444"W 3,748 3,754 3,760 3,766 39°54'29.6064"N 80°41'12.9444"W 3,307 3,310 3,314 3,318	39°54'34.462" N 80°42'00.486" W 1,228 1,243 1,258 1,272 1,279 39°54'28.713" N 80°42'19.263" W 1,798 1,803 1,808 1,813 1,842 39°54'27.565" N 80°42'24.278" W 2,139 2,142 2,145 2,149 2,178 39°54'25.851" N 80°42'26.683" W 2,289 2,291 2,293 2,295 2,325 39°54'32.558" N 80°42'11.984" W 1,510 1,520 1,530 1,540 1,563 39°54'18.6012"N 80°42 24.3252" W 2,117 2,114 2,111 2,108 2,137 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80°41′21.7284″ W 3,254 3,247 3,240 3,233 3,214 3,215 39°54′09.6840″ N 80°41′21.4440″ W 3,106 3,100 3,094 3,088 3,066 3,067 39°54′22.6440″ N 80°41′25.2816″ W 2,521 2,522 2,522 2,523 2,492 2,493 39°54′11.4516″ N 80°41′19.6764″ W 3,163 3,159 3,154 3,149 3,125 3,126 39°54′40.6620″ N 80°41′41.1648″ W 2,239 2,252 2,264 2,277 2,261 2,262 39°54′28.5516″ N 80°41′12.9444″ W 3,748 3,754 3,760 3,766 3,732 3,733 39°54′29.6064″ N 80°41′12.9444″ W 3,748 3,754 3,760 3,766 3,732 3,733 39°54′29.6064″ N 80°41′16.2096″ W 3,307 3,310 3,314 3,318 3,285 3,286	39°54′34.462″ N 80°42′00.486″ W 1,228 1,243 1,258 1,272 1,279 1,264 1,249 39°54′28.713″ N 80°42′19.263″ W 1,798 1,803 1,808 1,813 1,842 1,837 1,832 39°54′27.565″ N 80°42′24.278″ W 2,139 2,142 2,145 2,149 2,178 2,174 2,171 39°54′25.851″ N 80°42′26.683″ W 2,289 2,291 2,293 2,295 2,325 2,323 2,321 39°54′25.851″ N 80°42′21.984″ W 1,510 1,520 1,530 1,540 1,563 1,553 1,543 39°54′18.6012″N 80°42′24.3252″ W 2,117 2,114 2,111 2,108 2,137 2,140 2,144 39°54′06.1092″N 80°41′21.7284″ W 3,254 3,247 3,240 3,233 3,214 3,215 3,221 39°54′29.6840″N 80°41′21.4440″ W 3,106 3,100 3,094 3,088 3,066 3,067 3,072 39°54′22.6440″N 80°41′25.2816″ W 2,521 2,522 2,522 2,523 2,492 2,493 2,492 39°54′11.4516″N 80°41′19.6764″ W 3,163 3,159 3,154 3,149 3,125 3,126 3,130 39°54′40.6620″N 80°41′41.648″ W 2,239 2,252 2,264 2,277 2,261 2,262 2,235 39°54′21.2812″N 80°41′43.4832″ W 2,194 2,208 2,220 2,234 2,220 2,221 2,194 39°54′28.5516″N 80°41′12.9444″ W 3,748 3,754 3,760 3,766 3,732 3,733 3,726 39°54′29.6064″N 80°41′12.9444″ W 3,748 3,754 3,760 3,766 3,732 3,733 3,286 3,281 \$\$\$ \$

WV Department of Environmental Protection





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

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

(2007)

RECEIVED
Office of Oil and Gas

APR 24 2017

WV Department of Environmental Protection

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

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

☐ HAND DELIVERY	rsuant to West Virgini	a Code § 22-6A-		
DELIVERY	CERTIFIED M		16(b)	
DELIVERY		AIL		
	RETURN REC	EIPT REQUEST	ED	
eceipt requested or herilling a horizontal of this subsection as ubsection may be word if available, facs	nand delivery, give the swell: <i>Provided</i> , That not of the date the notice was aived in writing by the simile number and electrons.	otice given pursua as provided to the surface owner. The onic mail address	ant to subsection (a), section tersurface owner: <i>Provided, how</i> he notice, if required, shall inche of the operator and the operator	an operator shall, by certified mail return the surface owner's land for the purpose of an of this article satisfies the requirements ever, That the notice requirements of this ude the name, address, telephone number or's authorized representative.
lotice is hereby p	rovided to the SURI	ACE OWNER	K(s): Name:	
Name: Donald Hines and	Wanda L Hines		Address:	
Address: 301 4th Street Glen Dale, WV 26038			Audiess.	
County: Marshi District: Washi	ngton		UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name:	4417396.15 Route 38/Campbell Hill Road Hines
Quadrangle: Mound	dsville, WV 7.5		Generally used farm name:	Hines
Watershed: Middle	Grave Creek - Grave Creek			
	Include:			I to the said if available
This Notice Shall Pursuant to West of facsimile number a related to horizontal located at 601 57th of the Notice is hereby Well Operator: Chi	Virginia Code § 22-6A and electronic mail add al drilling may be obtain Street, SE, Charleston, Verence by:  nevron Appalachia, LLC	ress of the opera	tor and the operator a month	lress, telephone number, and if available zed representative. Additional information of Environmental Protection headquarter dep.wv.gov/oil-and-gas/pages/default.asprese:
This Notice Shall Pursuant to West V facsimile number a related to horizonta located at 601 57th 9  Notice is hereby Well Operator: Cr Address: 80	Virginia Code § 22-6A and electronic mail add al drilling may be obtain Street, SE, Charleston, V given by:	ress of the opera	retary, at the WV Department (226-0450) or by visiting www.c  Authorized Representative Address:	of Environmental Protection headquarter lep.wv.gov/oil-and-gas/pages/default.asp:
This Notice Shall Pursuant to West V facsimile number a related to horizonta located at 601 57th S  Notice is hereby Well Operator: Cr Address: 80 Smithfield, PA 15478	Virginia Code § 22-6A and electronic mail add al drilling may be obtain Street, SE, Charleston, Verence by:  nevron Appalachia, LLC	ress of the opera	Authorized Representative Address:  Telephone:	of Environmental Protection headquarter lep.wv.gov/oil-and-gas/pages/default.asp:
This Notice Shall Pursuant to West V facsimile number a related to horizonta located at 601 57th V Notice is hereby Well Operator: Cr Address: 80 Smithfield, PA 15478	Virginia Code § 22-6A and electronic mail add al drilling may be obtain Street, SE, Charleston, V given by: nevron Appalachia, LLC 10 Mountain View Drive	ress of the opera	retary, at the WV Department (226-0450) or by visiting www.c  Authorized Representative Address:	of Environmental Protection headquarter lep.wv.gov/oil-and-gas/pages/default.asp:

DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

WV Department of Environmental Protection

APR 2 4 2017

WW-6A5 (1/12)

Operator Well No. Hines M04H

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

Date of Noti	ce: 03/16/2017 Date Permit	no later than the filing Application Filed:		application.
Delivery me	thod pursuant to West Virginia Code	§ 22-6A-16(c)		
CERT	IFIED MAIL	HAND		
	RN RECEIPT REQUESTED	DELIVERY		
return receip the planned required to be drilling of a damages to t (d) The notice of notice.	t requested or hand delivery, give the sur operation. The notice required by this e provided by subsection (b), section ten horizontal well; and (3) A proposed sur he surface affected by oil and gas operati	rface owner whose land subsection shall include of this article to a surfa- rface use and compens- tions to the extent the da- n to the surface owner and	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, sted in the records of the sheriff at the time
Address: 301		Address		
Glen Dale, WV 2		Address		
	West Virginia Code § 22-6A-16(c), notice the surface owner's land for the purpose West Virginia Marshall Washington		I well on the tra Easting: Northing:	
Quadrangle:	Moundsville, WV 7.5°	Generally use	ed farm name:	Hines
Pursuant to ' to be provided horizontal was surface affection formation	led by W. Va. Code § 22-6A-10(b) to a ell; and (3) A proposed surface use and a eted by oil and gas operations to the ext related to horizontal drilling may be ob	a surface owner whose compensation agreement ent the damages are contained from the Secret	land will be unt containing an ompensable und ary, at the WV	code section; (2) The information required used 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 www.dep.wv.gov/oil-and-
gas/pages/de		Address:		
Well Operate Telephone:		Address:	800 Mountain View	
	724-564-3781	English:	Smithfield, PA 15478	5
Email:	( <del>)</del>	Facsimile:	724-564-3894	
222			100	

Oil and Gas Privacy Notice:

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

WW-6AW
(1-12)

API NO.	
OPERATOR WELL NO.	Hines M04H
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: 1,663,491.354 WVSPN NAD 27 County: Marshall Northing: 514,415.442 District: Washington Public Road Access: Quadrangle: **MOUNDSVILLE** Generally used farm name: Watershed: I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials, provided that Chevron U.S.A. Inc. drills the well on WV North NAD27 coordinates of North 514,415.442, East 1,663,491.354. 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. \*Please check the box that applies FOR EXECUTION BY A NATURAL PERSON ☐ SURFACE OWNER Signature: SURFACE OWNER (Road and/or Other Disturbance) Print Name: Date: SURFACE OWNER (Impoundments/Pits) FOR EXECUTION BY A CORPORATION, ETC. Company: CONSOL Mining Company, LLC ⊠COAL OWNER OR LESSEE By: **⊠COAL OPERATOR** Signature: **□WATER PURVEYOR** Date:

Oil and Gas Privacy Notice:

□OPERATOR OF ANY NATURAL GAS STORAGE FIELD

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

WV Department of

API NO. 47	
OPERATOR WELL NO.	Hines M04H
Well Pad Name: Hines	

# STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS OUT TINITA DAY OUT A TERM DE NICE 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

State: County: District: Quadrangle: Watershed:	Marshall Washington	UTM NAD 83 Easting: Northing Public Road Access: Generally used farm name	g: 4417396.15 Route 38/Campbell Hill Road
issued on thos	that I have no objection to the planned work describe materials.	ribed in these materials, an	nd I have no objection to a permit being
*Please check	the box that applies	FOR EXECT	ITION BY A NATURAL PERSON
	the box that applies		UTION BY A NATURAL PERSON
□ SURFAC		Signature: Print Name: _	UTION BY A NATURAL PERSON
☐ SURFAC	CE OWNER	Signature: Print Name: _ Date:	
□ SURFAC □ SURFAC	CE OWNER CE OWNER (Road and/or Other Disturbance)	Signature:Print Name:Date:  FOR EXECT Company:	UTION BY A CORPORATION, ETC.
□ SURFAC □ SURFAC	CE OWNER CE OWNER (Road and/or Other Disturbance) CE OWNER (Impoundments/Pits) OWNER OR LESSEE	Signature:Print Name:Date:  FOR EXECT Company:	UTION BY A CORPORATION, ETC.
□ SURFAC □ SURFAC □ SURFAC □ COAL C	CE OWNER CE OWNER (Road and/or Other Disturbance) CE OWNER (Impoundments/Pits) OWNER OR LESSEE	Signature:Print Name:Date:  FOR EXECT Company:	TION BY A CORPORATION, ETC.  PLYTON HOE AVEIDC.  E ISENTIAL TO THE CORPORATION OF THE COR

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Environmental Protection

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API NO. 47	
OPERATOR WELL NO.	Hines M04H
Well Pad Name: Hines	

### STATE OF WEST VIRGINIA

### DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

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### **VOLUNTARY STATEMENT OF NO OBJECTION**

provisions list WW-6A and	, hereby state that I have reded above, and that I have received copies of attachments consisting of pages one (1) the well plat, all for proposed well work on the West Virginia  Marshall  Washington  Moundsville, WV 7.5'  Middle Grave Creek - Grave Creek	a Notice of A rough le tract of land UTM NAD Public Roa	pplication, an App , including as follows: Easting: Northing:	olication for a Well Work Permit on Form
I further state issued on thos	that I have no objection to the planned work of ematerials.	described in the	ese materials, and	I have no objection to a permit being
*Please check	the box that applies		FOR EXECUT	ION BY A NATURAL PERSON
□ SURFAC	CE OWNER		Signature:	March (Para)
□ SURFAC	E OWNER (Road and/or Other Disturba	nce)	Print Name:	CELALO OLIVER
☐ SURFAC	E OWNER (Impoundments/Pits)			
□ COAL O	WNER OR LESSEE		Company:	ION BY A CORPORATION, ETC.
□ COAL O	PERATOR		By: Its:	
WATER	PURVEYOR		Signature:	
□ OPERAT	OR OF ANY NATURAL GAS STORA	GE FIELD	Date:	RECEIVED Office of Oil and Gas

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### WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

### **Division of Highways**

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

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

Jim Justice

Governor

47-051-01926 Hines A Unit M4H

Hines A Unit M5H

Hines A Unit M6H

Hines A Unit M7H

Hines A Unit M8H

Hines A Unit M8H

Hines A Unit M10H

Hines A Unit M11H

Dear Mr. Martin,

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.

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

Central Office Oil & Gas Coordinator

Cc: Mandy Fordyce

Chevron Appalachia, LLC

CH, OM, D-6

File

RECEIVED Office of Oil and Gas

APR 2 4 2017

WV Deserment of Environmental Prot

### **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

08/18/2017

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

APPROVED WVDEP OOG A 31 1 5/15/2017

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

PREPARED FOR:

### CHEVRON APPALACHIA, LLC

800 MOUNTAIN VIEW DRIVE SMITHFIELD, PA 15478

#### CONSULTANTS

CNIL & ENVIRONMENTAL CONSULTANTS, INC. 4000 TRIANGLE LANE, SUITE 200 EXPORT, PA 15632 PHONE: 724-327-5200

CIVIL/SITE ENGINEER CONTACT: TODD C. BALDWIN, P.E. EWAL ADDRESS: tboldwin@cacine.com

CECTECHNICAL ENGINEER CONTACT: WICHAEL J. SHELEHEDA, P.E. EMAIL ADDRESS: msheleheda@cecing.com

#### SITE COORDINATES AND WATERSHED

START OF ACCESS ROAD LATITUDE: 80.69336' W

END OF ACCESS ROAD LATITUDE: 39.90592" N. LONGITUDE: 80.69811" W

APPROXIMATE CENTER OF WELL PAD LATITUDE: 39.90639' N. LONGITUDE: 80.69991' W

\*BASED ON NAD RS WEST VIRGINIA NORTH ZONE

WATERSHED NAME UPPER OHIO SOUTH RECEIVING STREAM: UNNAMED TRIBUTARIES TO TOMS RUN

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

UNT 1 TO TOMS CREEK (EPH) - 192 LF

WITH AND 1A (PEM) - 0.02 AC

WETLAND 18 (PEM) - 0.01 AC

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

WETLAND 28 (PEM) - 0.4 LF FROM LOD

WETLAND 3A (PEM) - 25 LF FROM LOD

WETLAND 44 (PEM) - 41 LF FROM LOD

#### REFERENCES

- STREAMS AND METLANDS DELINEATED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. DATED 10/18/2016.

Wellhead No.	Northing	Easting	Latitude (North)	Longitude (West)
MOTH	514497.016	1632056.919	39.906382	80.699340
MO2H	514482.028	1632056.332	39.906341	80,699341
MOSH	514467.039	1632055.744	39.906299	80 699342
MO4H	514452.051	1632055.157	39.906258	IO 699344
MOSH	514437.062	1632054 569	39.906217	80 699345
MOGH	514422.074	1632053.982	39.906176	80,699346
M07H	514407.085	1632053.394	39.906135	80 099348
MOSH	514405.910	1632083.371	39.906135	RO 699241
MOSH	514420.899	1632083.959	39.906174	BC 699240
MICH	514435.887	1632084.546	39.906215	BC 699238
MIIH	514450.876	1632085.134	39.906256	80.699237
MIZH	514465.864	1632085.721	39.906297	80.699235
MISH	514480.853	1632086.309	39.906339	80 699234
M14H	514495.841	1632086.896	39.906380	80.699233
UISH	514494.666	1632116.873	39.906378	80.699126
U16H	514479.678	1637116.286	39.906336	80 699177
U17H	514464.689	1632115.698	39.906295	80 699128
MISH	514449.701	1632115.111	39.906254	80.699130
MISH	514434,713	1632114.523	39.906213	80.699131
M20H	514419.724	1632113.936	39.906172	80 699133
M21H	514404.736	1632113 348	39.906131	80 699134
U22H	514403.561	1632143.325	39.906128	80 699027
U23H	514418.549	1632143.913	39.906170	80.699026
U24H	514413.588	1632144.500	39.506211	80.699024
U25H	514448.526	1632145.088	39.906252	80.699023
U26H	514463.515	1632145.675	39.906293	80.699022
U27H	514478.503	1632146.763	39.906334	80.699020
U28H	514493.497	1632145.850	39.906375	80.699019
LIZ9H	514477.328	1632176.240	39.906332	80.698913
U30H	514462.340	1632175.652	39.906291	80 698915
UBSH	514447.351	1632175.065	39.906250	80 698916
1.000	*****			

- EXISTING PROPERTY LINE - EXISTING INDEX CONTOUR

EXISTING PAVED ROADWAY

EXISTING UNPAVED ROADWAY

DISTING GAS LINE

- EXISTING WATERLINE

EXISTING FENCE

EXSTING STRUCTURE EXSTING UTILITY POLE

DOSTING FIRE INTERNAL

EXTENSION STREAM

EXSTING TRETLINE

EXISTING INTERMEDIATE COMMIN

- DOSTING TELECOMMUNICATION LINE

U32H

	CONTRACTOR OF THE STATE OF THE
NORTH IT TO A STATE OF	APPROX. CENTER OF WELL PAD
<b>一种</b>	LAT: 39,90639' N LON: 80,8999' W
是一個人大學	<b>人,是一个</b>
STREAM - TOMS RUN (APPROX. 770-FT)	<b>以</b> 有一个人。
100 X	ANNES WELL SHE
of Law Co	
	<b>《 外 》</b> 《 例 》 《
and the same	CATCHE AND AND PROPERTY.
244	START OF ACCESS ROAD
	IAT: 39,90495' N
在京 接 特别的	二人分为人工學學問題
A Charles	2000年上707 WARFERSON
	SITE LOCATION MAP
	SCALE IN FEET

	0	2000	4000
reen	CHOE		
EFER	ENCE		

---- PROPOSED CUT/FU LINE

PROPOSED LIMIT OF DISTURBANCE

PROPOSED ASPHALT PAVENENT PROPOSED TEMPORARY WATERLINE

PROPOSED GRAVEL

PROPOSED BUTTRESS

SOIL THE

PROPOSED WILL HEAD AND CITLAN

0

Det

- PROPOSED INDEX CONTOUR - PROPOSED INTERMEDIATE CONTOUR

SITE UMITS OF DISTUR	BANCE (AC)
WELL PAD	10.3
ACCESS ROAD	6.2
STOCKPILES	2.5
TOTAL AREA	19.0
WOODED AREA DISTURBED	3.5
IMPACTS TO DONALD	HINES (AC)
WELLPAD	10.1
ACCESS ROAD	6.2
STOCKPILES	2.5
TOTAL AREA	18.8
WOODED AREA DISTURBED	3.3
IMPACTS TO ARNIE GOO	DNIGHT (AC)
WELLPAD	0.2
TOTAL AREA	0.2
WOODED AREA INSTITUTED	0.2

PROPOSED STORWWATER CULVERY

PROPOSED INLET PROPOSED RIPRAF APRON

PROPOSED UNCERCRAIN

Des & Lengt	JANE III	INCLUDED	DOTALTIDED
C2 000	COVERSHEET	X	03/02/2017
E2 030	EXISTING TOPOGRAPHIC PLAN	×	03/02/2017
ES 100	OVERALL EROSION AND SEDIMENT CONTROL PLAN	x	03/02/2017
ES 101	EROSION AND SEDIMENT CONTROL PLAN (1 OF 2)	×	03/02/2017
ES 202	EROSION AND SEDIMENT CONTROL PLAN (2 OF 2)	×	03/02/2017
ES 103	EROSION AND SEDIMENT CONTROL DETAILS (1 OF 7)	x	03/02/2017
ES 104	EROSION AND SEDIMENT CONTROL DETAILS (2 OF 7)	×	03/02/2017
ES 105	EROSION AND SEDIMENT CONTROL DETAILS (3 OF 7)	*	03/02/2017
ES 106	EROSION AND SEDIMENT CONTROL DETAILS (4 OF 7)	X	03/02/2017
ES 107	EROSION AND SEDIMENT CONTROL DETAILS (5 OF 7)	×	03/02/2017
ES 108	FROSION AND SEDIMENT CONTROL DETAILS (6 OF 7)	1	08/02/2017
ES 109	EROSION AND SEDIMENT CONTROL DETAILS (7 OF 7)	×	03/02/2017
ES 110	WELL PAD PLAN VIEW	x	03/02/2017
ES 111	WELL PAD CROSS-SECTIONS	×	03/02/2017
ES 112	ACCESS ROAD PLAN AND PROFILE VIEW (1 OF 2)		03/02/2017
ES 113	ACCESS ROAD PLAN AND PROFILE VIEW (2 OF 2)	×	03/02/2017
ES 114	ACCESS ROAD CROSS-SECTIONS	×	03/02/2017
ES 115	STOCKPILE CROSS-SECTIONS (1 OF 2)	x	03/02/2017
ES 116	STOCKPILE CROSS-SECTIONS (2 OF 2)	×	03/02/2017
GE 500	GEOTECHNICAL SURSURFACE SUMMARY - WELL PAD	x	03/03/2017
GE 502	CROSS-SECTIONS - WELL PAD	x	03/03/2017
GE 504	GEOTECHNICAL TABLES AND NOTES	x	03/03/2017
GE 505	GEOTECHNICAL DETAILS	X	03/03/2017
GE 506	RSS PLAN AND ELEVATION VIEW (3 OF Z)	×	03/03/2017
GE 507	RSS PLAN AND ELEVATION VIEW (2 OF 2)	x	03/03/2017
GE SON	RSS CROSS-SECTIONS	x	03/03/2017
GE 509	RSS DETAILS	x	03/03/2017
CE 510	RSS SPECIFICATIONS AND QUANTITIES	x	03/03/2017
PC 600	SITE PLAN WITH AERIAL	x	03/02/2017
PC 801	POST-CONSTRUCTION RECLAMATION PLAN	x	03/02/2017
PC 502	POST-CONSTRUCTION RECLAMATION DETAILS	x	03/02/2017



- PROPOSED COMPOST FILTER SOCK TRAF

- PROPOSED 18-IN COMPOST FILTER SOCI

PROPOSED TEMPORARY RUNOFF OVERSION

PROPOSED GRANGE CONSTRUCTION FENCE

PROPOSED INLET PROTECTION

PROPOSED 32-IN COMPOST FILTER SOCK

MISS UTILITY OF WEST VIRGINIA 1-800-245-4848 IT'S THE LAW



HINES WELL SITE
MASHALTOUNTY, WEST URGINA
PREPARED FOR
CHEVRON APPALACHIA, L
SANDER ON CONTRACTOR OF THE SANDER OF

COVER SHEET

Project Number 164-052,004 Drawing Scale 172,000 Date Issued 03/02/2017 Index Number

CS 000

