west virginia department of environmental protection

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

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

September 15, 2015

WELL WORK PERMIT

Horizontal 6A Well

This permit, API Well Number: 47-5101856, issued to CHEVRON APPALACHIA, LLC, 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 all 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 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.

In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-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) 926-0499 ext. 1654.

James Martin
Chief

Operator's Well No: 7H
Farm Name: RINE, OKEY L JR
API Well Number: 47-5101856
Permit Type: Horizontal 6A Well
Date Issued: 09/15/2015

Promoting a healthy environment.

API Number: 051-01855

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. 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.

8. 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.

9. Operator shall provide the Office of Oil & Gas notification of the date that drilling commenced on this well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov within 30 days of commencement of drilling.

WW-6B
(04/15)

API NO. 47- 051 - 01856
OPERATOR WELL NO. 7H
Well Pad Name: Rine

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

1) Well Operator:	Chevron Appalachia, LLC	49449935	Marshall	Washington	Moundsville, WV
		Operator ID	County	District	Quadrangle

2) Operator's Well Number: 7H Well Pad Name: Rine

3) Farm Name/Surface Owner: Okey L. Rine, Jr. Public Road Access: Campbell Hill Rd.

4) Elevation, current ground: 1160' Elevation, proposed post-construction: 1139'

5) Well Type (a) Gas X Oil _____ Underground Storage _____
Other _____
(b)If Gas Shallow X Deep _____
Horizontal X

6) Existing Pad: Yes or No No

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Marcellus, 6,315', 53' - 0.64 psi/ft

8) Proposed Total Vertical Depth: 6,315'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 13,805'

11) Proposed Horizontal Leg Length: 6,966'

12) Approximate Fresh Water Strata Depths: 462' GL

13) Method to Determine Fresh Water Depths: 1 mi radius offset wells, freshwater wells, and fresh water base level

14) Approximate Saltwater Depths: 690' GL, 1240' - 1800' GL, Mine info, nearby well control

15) Approximate Coal Seam Depths: 383' GL, 658' GL

16) Approximate Depth to Possible Void (coal mine, karst, other): None

17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes X No _____

(a) If Yes, provide Mine Info: Name: Ireland Mine
Depth: 658' GL
Seam: Pittsburgh No. 8
Owner: CONSOL Energy

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(04/15)

API NO. 47- 051 - 01856
OPERATOR WELL NO. 7H
Well Pad Name: Rine

18) **CASING AND TUBING PROGRAM**

TYPE	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			40	40	60 CTS
Fresh Water	13-3/8"	New	J-55	54.5 #	512	512	406 CTS
Coal							
Intermediate	9-5/8"	New	J-55	40 #	1940	1940	652 CTS
Production	5-1/2"	New	P-110	20#	13805	13805	3317
Tubing							
Liners							

JM 6/2/15

TYPE	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"	0.375"		NA		
Fresh Water	13-3/8"	17.5"	0.458"	2,730 psi	NA	Class A	1.2
Coal							
Intermediate	9-5/8"	12.25"	0.395"	3,950 psi	300	Class A	1.2
Production	5-1/2"	8.5"	0.361"	12,640 psi	1800	Class A	1.2
Tubing							
Liners							

PACKERS

Kind:				
Sizes:				
Depths Set:				

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WW-6B
(10/14)

API NO. 47-051 - 01855
OPERATOR WELL NO. 7H
Well Pad Name: Rine

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

Set 20" conductor. Drill 17.5" hole to proposed TD. Set and cement 13-5/8" casing to surface covering the fresh water. Drill 12.25" hole to proposed TD. Set and cement to surface 9 5/8" casing in the Squaw Shale. Drill 8.5" hole to KOP. Drill a 8.5" curve and lateral section to TD. Set 5.5" production casing and cement with TOC to surface. No pilot hole is planned.

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

delivery of 400,000 lbs proppant/400,000 gal water at 100 bpm and 10,000 psi

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 18.0 acres

22) Area to be disturbed for well pad only, less access road (acres): 4.75 acres

23) Describe centralizer placement for each casing string:

Surface String: 1 Bow spring centralizer halfway through the shoe track around a stop collar, 1 Bow spring centralizer per joint over connection to base of conductor. Intermediate String: 1 Bow spring centralizer halfway through the shoe track around a stop collar, and 1 bow spring centralizer over every other connection. Production casing 1 Solid Centralizer per joint to KOP, and 1 bow spring centralizer every other joint to surface after that.

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

The Water and Intermediate String will contain Class A cement, up to 3% CaCl2, and flake. The tail and lead of the production cement will be class A cement with KCL, dispersant, defoamer, suspension agent, and friction reducer. The spacer will be a fly ash blend.

25) Proposed borehole conditioning procedures:

The well be circulated a minimum of 2 bottoms up once casing point has been reached on all hole sections.

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*Note: Attach additional sheets as needed.

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51-01858

Cement Additives

The Water and Intermediate String will contain Class A cement, up to 3% CaCl2, and flake.

The tail and lead of the production cement will be class A cement with KCL, dispersant, defoamer, suspension agent, and friction reducer.

The spacer will be a fly ash blend.

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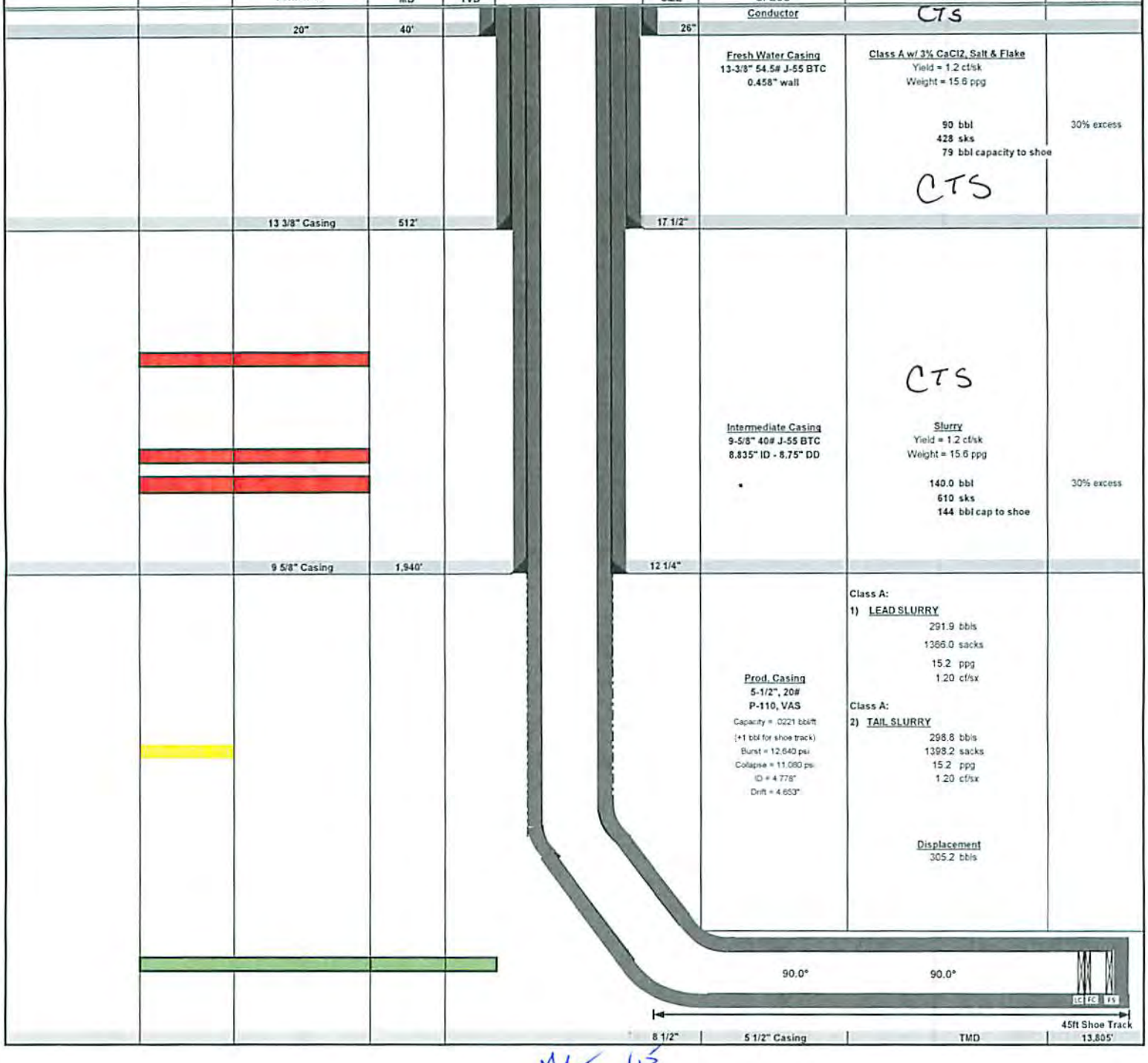
51-01856

Rine 7H

Marshall Co. WV
May 5, 2015

Casing & Cementing Details

Ground Level Elevation: 1153



6/2/15

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WW-9
(2/15)

API Number 47 - 051 - 01856
Operator's Well No. 7H

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Chevron Appalachia, LLC OP Code 49449935

Watershed (HUC 10) Middle Grave Creek - Grave Creek Quadrangle Moundsville, WV

Do you anticipate using more than 5,000 bbls of water to complete 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 Pit Wastes:

_____ Land Application
_____ Underground Injection (UIC Permit Number _____)
_____ Reuse (at API Number _____)
_____ Off Site Disposal (Supply form WW-9 for disposal location)
_____ Other (Explain _____

Will closed loop system be used? If so, describe: Yes, cuttings will be mixed off on location and trucked off in half rounds

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Surface/Intermediate - Air; Production - SBM

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

Additives to be used in drilling medium? Fluid loss control, emulsifier, and shale stabilizer.

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

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

-Landfill or offsite name/permit number? Arden Landfill - Permit # 100172; South Hills Landfill - Permit # 100592

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

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

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

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Company Official Signature Jenny Hayes

Company Official (Typed Name) Jenny Hayes

Company Official Title Permitting Team Lead

Subscribed and sworn before me this 20th day of May, 20 15

Kristen Brooks Notary Public

My commission expires Sept 2, 2018

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

051-01856

Form WW-9

Operator's Well No. 7H

Chevron Appalachia, LLC

Proposed Revegetation Treatment: Acres Disturbed +2.78 Acres Prevegetation pH per soil testing report

Lime 2000 Tons/acre or to correct to pH _____

Fertilizer type 10/20/2020

Fertilizer amount 1000 LBS/AC of 10-20-20 mixed, unless otherwise indicated by soil test lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
See Table A Attached		See Table B Attached	

Attach:
Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided)

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: James Nicholson

Comments: _____

Title: Oil + Gas Inspector Date: 6/2/2015

Field Reviewed? (_____) Yes (_____) No

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TABLE A - TEMPORARY SEEDING MIXTURES (FROM WV DOT DOH STANDARD SPECIFICATIONS)			
VARIETY OF SEED	SPRING MARCH 1-MAY15 LB/ACRE	SUMMER MAY 16-AUG 15 LB/ACRE	FALL AND WINTER AUG 16-APRIL 30 LB/ACRE
ANNUAL RYEGRASS	10		10
BARLEY OF OATS (LOCAL SEEDS)	50		
MILLET (HUNGARIAN, GERMAN OR JAPANESE)		50	
CEREAL RYE OR CEREAL WHEAT			50
TOTAL	60	50	60

TABLE B - SEED MIXTURES (FROM WV DOT DOH STANDARD SPECIFICATIONS)		
VARIETY OF SEED	TYPE D* (CUT AND FILL SLOPES) LB/ACRE	TYPE L (ALL OTHER AREAS) LB/ACRE
KENTUCKY 31 FESCUE	20	
RED FESCUE (PENNLAWN)	20	41
CROWNVETCH	20	
HARD FESCUE MIXTURE **		63
ANNUAL RYEGRASS AUG 1 TO MAY 15 OR WEEPING LOVEGRASS MAY 15 TO AUGUST 1	7	12 5

*30 LB OF CEREAL RYE OR CEREAL WHEAT SHALL BE ADDED TO TYPE D MIXTURE WHEN WOOD CELLULOSE FIBER IS USED AS A MULCH FOR FALL SEEDING, AFTER OCTOBER 1ST, AT NO ADDITIONAL COST TO OWNER

** A COMBINATION OF APPROVED CERTIFIED VARIETIES WITH NO ONE VARIETY EXCEEDING 50% OF THE TOTAL HARD FESCUE COMPONENT

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OS1-01856

51-01856

CHEVRON
APPALACHIA, LLC

West Virginia Well Site Safety Plan

RINE Pad
Well:#7H
679 CAMPBELL HILL ROAD
MOUNDSVILLE, WV 26041
WASHINGTON DISTRICT
MARSHALL COUNTY, WV

6/2/15

Access Point - [39.907906°N, 80.683997°W]
Well Site - [39.909239°N, 80.692042°W]

Prepared in Conformance with:

West Virginia's Code §22-6A and Legislative Rule §35-8-5.7 and West Virginia Department of Environmental Protection's, Office of Oil and Gas documents: "Well Site Safety Plan Standards" (issued August 25, 2011), and "Deep Well Drilling Procedures and Site Safety Plan Requirements" (issued October 22, 2012)

Revision 3

Original: September 2012

Revised: June 2013

Revised: May 2014

Revised: January, 2015

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51-01856

WW-6A1
(5/13)

Operator's Well No. Rine 7H

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

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

(1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;

(2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page

See Attached

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

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

- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

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

Well Operator: Chevron Appalachia, LLC
By: Jenny Harper
Its: Permitting Team Lead

Rine 7H							
Parcel	Lessor	Lessee	Royalty	DB/PG	ASSIGNMENT 1	ASSIGNMENT 2	ASSIGNMENT 3
(A)	Rine, Okey L., Jr.	Chevron USA, Inc.	16.00%	834/341	N/A	N/A	N/A
(B)	Hoskins, Patricia S.	Chevron USA, Inc.	15.00%	807/403	N/A	N/A	N/A
(C) (D)	Shipley, Daniel I. & Paul E.	Chesapeake Appalachia, LLC	12.50%	681/498	BK30/PG461--Chesapeake Appalachia, LLC to Chevron USA, Inc.	N/A	N/A
(E)	Turner, D. Francis & Donna C.	TriEnergy, Inc.	12.50%	748/103	BK21/PG156--TriEnergy, Inc. to TriEnergy Holdings, LLC BK21/PG531--TriEnergy Holdings, LLC to AB Resources LLC	BK24/PG466--AB Resources LLC, et al. to Chief Exploration & Development LLC, et al.	BK25/1--Chief Exploration & Development LLC, et al. to Chevron U.S.A. Inc.
(F)	Lindgren, Patricia C., Trustee of the Patricia C. Lindgren Living Trust Agreement	TriEnergy Holdings, LLC	16.00%	691/102	BK23/PG74--TriEnergy Holdings, LLC to NPAR, LLC	BK756/PG332--NPAR, LLC to Chevron USA, Inc.	N/A
(G)	Caveney, James J. & Karen	TriEnergy, Inc.	12.50%	663/497	BK20/PG252--TriEnergy, Inc. to AB Resources LLC	BK24/PG319--AB Resources LLC to Chief Exploration & Development LLC, et al.	BK25/1--Chief Exploration & Development LLC, et al. to Chevron U.S.A. Inc.

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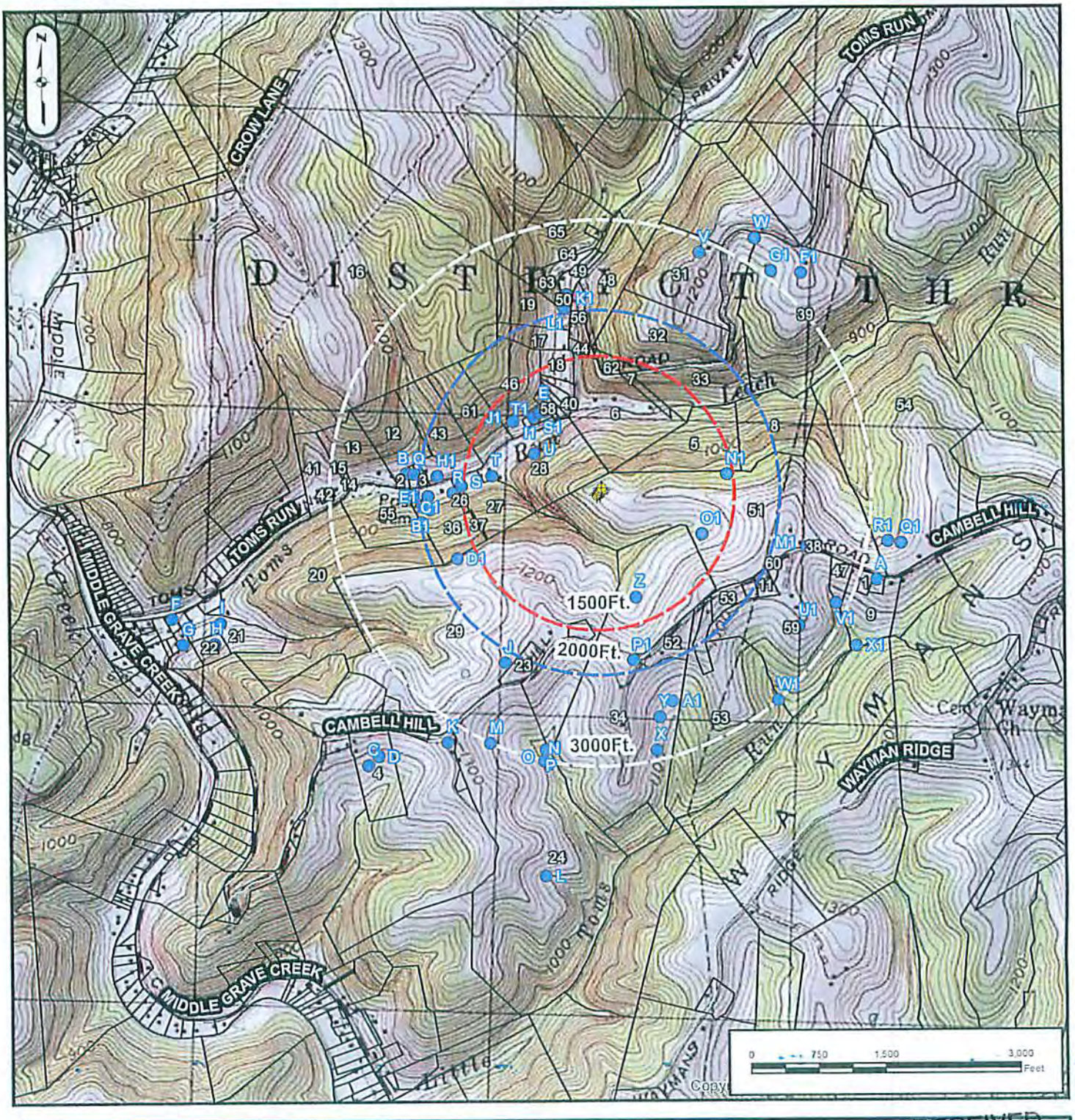
051-~~01856~~
01856

WATER SUPPLY EXHIBIT

RINE

Date: 4/16/2015

Blue Mountain Inc.



SURFACE OWNER:	OKEY L. RINE, JR.	COUNTY:	MARSHALL
OIL/GAS OWNER:	OKEY L. RINE, JR.	DISTRICT:	WASHINGTON
WELL OPERATOR:	CHEVRON APPALACHIA, LLC	SURVEYOR:	BLUE MOUNTAIN INC.
ADDRESS:	800 MOUNTAIN VIEW DRIVE SMITHFIELD, PA 15478	ADDRESS:	10125 MASON DIXON HWY BURTON, WV 26562
PHONE:	724-564-3700	PHONE:	304-662-6486

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Well is located on topo map 2,656 feet south of Latitude: 39°55'00"

Well is located on topo map 7,065 feet west of Longitude: 80°40'00"

NOTES:

1. There are no water wells or developed springs within 250' of proposed well.
2. There are no existing buildings within 625' of proposed well.
3. Proposed well pad is within 100' from perennial stream, wetland, pond, reservoir or lake.
4. There are no native trout streams within 300' of proposed well.
5. Proposed well is greater than 1000' from surface/groundwater intake or public water supply.
6. It is not the purpose or intention of this plat to represent surveyed locations of the surface or mineral parcels depicted hereon. The location of the boundary lines, as shown, are based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted.

WELL PAD ORIENTATION DETAIL

LEGEND

- TOPO MAP POINT
- WELL
- ALL ARE POINTS UNLESS OTHERWISE NOTED.
- MINERAL TRACT BOUNDARY
- PARCEL LINES
- WELL REFERENCE
- PROPOSED HORIZONTAL WELL
- ROAD
- STREAM CENTER LINE
- (A) LESSORS
- (1) SURFACE OWNERS

GAS WELLS

- EXISTING WELLS
- PLUGGED WELLS

LINE	BEARING	DISTANCE
R1	N 74°45'16" W	194.40'
R2	N 58°37'54" W	131.70'
R3	N 25°23'04" W	142.91'
R4	N 32°41'00" E	289.44'
R5	S 68°26'07" W	756.86'
R6	S 09°44'13" E	707.50'

SURFACE HOLE LOCATION (SHL)
UTM 17-NAD83(M)
N:4417744.245
E:526338.173
NAD 83, WV NORTH
N:515559.262
E:1634171.654
LAT/LON DATUM-NAD83
LAT:39.909375
LON:-80.691853

APPROX. LANDING POINT
UTM 17-NAD83(M)
N:4417625.30
E:526579.03
NAD 83, WV NORTH
N:515155.73
E:1634955.50
LAT/LON DATUM-NAD83
LAT:39.908297
LON:-80.689039

BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83(M)
N:4415722.87
E:527520.54
NAD 83, WV NORTH
N:508861.25
E:1637940.70
LAT/LON DATUM-NAD83
LAT:39.891125
LON:-80.678106

SEE PAGE 2 FOR SURFACE OWNERS AND LESSORS

Blue Mountain Inc.
10125 MASON DIXON HIGHWAY
BURTON, WV 26562
PHONE: (304) 662-6486

FILE #: RINE 7H
DRAWING #: RINE 7H
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: 1/2500
PROVEN SOURCE OF ELEVATION: U.S.G.S. MONUMENT THOMAS 1498.81'

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

Signed: [signature]
R.P.E.: L.L.S.: P.S. No. 2000

GEORGE D. SIX LICENSED No. 2000 STATE OF WEST VIRGINIA PROFESSIONAL SURVEYOR

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
WVDEP
OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25304

DATE: APRIL 2, 2015
OPERATOR'S WELL #: RINE 7H
API WELL #: 47 (STATE) 51 (COUNTY) 01856 H6A (PERMIT)

Well Type: [ ] Oil [ ] Waste Disposal [X] Production [ ] Deep [X] Gas [ ] Liquid Injection [ ] Storage [X] Shallow

WATERSHED: MIDDLE GRAVE CREEK - GRAVE CREEK
ELEVATION: 1160.00'
COUNTY/DISTRICT: MARSHALL / WASHINGTON
QUADRANGLE: MOUNDSVILLE, WV 7.5'
SURFACE OWNER: OKEY L. RINE JR.
ACREAGE: 87.577±
OIL & GAS ROYALTY OWNER: OKEY L. RINE JR.
ACREAGE: 388.916±

DRILL [X] CONVERT [ ] DRILL DEEPER [ ] REDRILL [ ] FRACTURE OR STIMULATE [X]
PLUG OFF OLD FORMATION [ ] PERFORATE NEW FORMATION [ ] PLUG & ABANDON [ ]
CLEAN OUT & REPLUG [ ] OTHER CHANGE [ ] (SPECIFY):

TARGET FORMATION: MARCELLUS
ESTIMATED DEPTH: TVD: 6,317'± TMD: 13,805.18'±

WELL OPERATOR: CHEVRON APPALACHIA, LLC
Address: 800 MOUNTAIN VIEW DRIVE
City: SMITHFIELD State: PA Zip Code: 15478

DESIGNATED AGENT: KENNETH E. TAWNEY
Address: 500 LEE STREET, EAST SUITE 1600
City: CHARLESTON State: WV Zip Code: 25301-3202

47-051-01858

RINE

7H

PAGE 2 OF 2

	SURFACE OWNER	DIST-TM/PAR
1	OKEY L. RINE JR.	14-11/1
2	PATRICIA SUE HOSKINS	14-12/31
3	BRENT L. & LORI L. SHIPLEY	14-11/16.3
4	PAUL E. & BRENT L. SHIPLEY	14-11/16
5	D. FRANCIS TURNER ET UX	14-11/2
6	PATRICIA C. LINDGREN - TRUST	14-11-14
7	JAMES J. CAVENEY ET UX	14-13-8

	LESSOR
A	OKEY L. RINE JR.
B	PATRICIA S. HOSKINS
C	DANIEL I. & PAUL E. SHIPLEY; JOINT TENANTS
D	DANIEL I. & PAUL E. SHIPLEY; JOINT TENANTS
E	D. FRANCIS & DONNA C. TURNER
F	PATRICIA C. LINDGREN, TRUSTEE OF THE PATRICIA C. LINDGREN LIVING TRUST AGREEMENT
G	JAMES J. & KAREN CAVENEY

SURFACE HOLE LOCATION (SHL)
UTM 17-NAD83(M)
N:4417744.245
E:526338.173
NAD 83, WV NORTH
N:515559.262
E:1634171.654
LAT/LON DATUM-NAD83
LAT:39.909375
LON:-80.691853

APPROX. LANDING POINT
UTM 17-NAD83(M)
N:4417625.30
E:526579.03
NAD 83, WV NORTH
N:515155.73
E:1634955.50
LAT/LON DATUM-NAD83
LAT:39.908297
LON:-80.689039

BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83(M)
N:4415722.87
E:527520.54
NAD 83, WV NORTH
N:508861.25
E:1637940.70
LAT/LON DATUM-NAD83
LAT:39.891125
LON:-80.678106

ARPIL 2, 2015

Blue Mountain Inc.
10125 MASON DIXON HIGHWAY
BURTON, WV 26562
PHONE: (304) 662-6486

51-01858

Chevron

Branden Weimer
Permitting Team Lead

Chevron Appalachia, LLC
800 Mountain View Drive
Smithfield, PA 15478
Tel 724 564 3745
Fax 724 564 3894
bwkb@chevron.com

January 6, 2015

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

To Whom It May Concern:

Please be advised that Chevron Appalachia, LLC and Chevron U.S.A. Inc. are affiliated entities. Unless and until revoked, and as evidenced by the signatures of authorized representatives of each entity below, Chevron Appalachia, LLC is authorized to operate assets owned by Chevron U.S.A. Inc. which are located in West Virginia, including oil and gas leases. More particularly, Chevron Appalachia, LLC is authorized to obtain well work permits for assets owned by Chevron U.S.A. Inc. I trust that this will alleviate any concerns the Department may have about Chevron Appalachia, LLC applying for well work permit applications on properties either leased or owned by Chevron U.S.A. Inc. If you have any further questions or concerns, please do not hesitate to contact me.

Branden Weimer
Attorney-In-Fact for Chevron Appalachia, LLC

Marc Tate
Attorney-In-Fact for Chevron U.S.A. Inc.

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Environmental Protection

51-01855
01856

Chevron

Ian J. Durham
Land Representative
Appalachian/Michigan SBU

Chevron North America Exploration and Production Company
(a Chevron U.S.A. Inc. division)
1550 Coraopolis Heights Road
Moon Township, PA 15108
Tel (412) 865-0062
Mobile (412) 627-0622
idurham@chevron.com

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

June 23, 2015

RE: Rine #5H, 7H, 9H & 11H

To whom it may concern,

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

Sincerely,

Ian J. Durham
Land Representative

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WV Department of
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WW-6AC
(1/12)

51-01855
01856

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

Date of Notice Certification: 06/17/2015

API No. 47- 051 - 01856
Operator's Well No. 7H
Well Pad Name: Rine

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

State:	West Virginia	UTM NAD 83 Easting:	526338.173
County:	Marshall	Northing:	4417744.245
District:	Washington	Public Road Access:	Campbell Hill Rd
Quadrangle:	Moundsville, WV	Generally used farm name:	Rine
Watershed:	Middle Grave Creek - Grave Creek		

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

Pursuant to West Virginia Code § 22-6A, the Operator has attached proof to this Notice Certification that the Operator has properly served the required parties with the following: *PLEASE CHECK ALL THAT APPLY	OOG OFFICE USE ONLY
☐ 1. NOTICE OF SEISMIC ACTIVITY or ☒ NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED	☐ RECEIVED/ NOT REQUIRED
☒ 2. NOTICE OF ENTRY FOR PLAT SURVEY or ☐ NO PLAT SURVEY WAS CONDUCTED	☐ RECEIVED
☒ 3. NOTICE OF INTENT TO DRILL or ☐ NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or ☐ WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)	☐ RECEIVED/ NOT REQUIRED
☒ 4. NOTICE OF PLANNED OPERATION	☐ RECEIVED
☒ 5. PUBLIC NOTICE	☐ RECEIVED
☒ 6. NOTICE OF APPLICATION	☐ RECEIVED

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

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(1/12)

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01856

Certification of Notice is hereby given:

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

Well Operator:	Chevron Appalachia, LLC	Address:	800 Mountain View Drive
By:	Jenny Hayes		Smithfield, PA 15478
Its:	Permitting Team Lead	Facsimile:	724-564-3894
Telephone:	724-564-3700	Email:	

NOTARY SEAL
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 17th day of June, 2015

Kristen Brooks Notary Public

My Commission Expires Sept 2, 2018

Oil and Gas Privacy Notice:

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

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Environmental Protection

WW-6A
(9-13)

API NO. 47- 051 ~~01855~~ 01856
OPERATOR WELL NO. 7H
Well Pad Name: Rine

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 than the **filing date of permit application.**

Date of Notice: 5/21/15 **Date Permit Application Filed:** 6/24/15

Notice of:

☑ PERMIT FOR ANY WELL WORK

☐ CERTIFICATE OF APPROVAL FOR THE CONSTRUCTION OF AN IMPOUNDMENT OR PIT

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

☐ PERSONAL SERVICE

☑ REGISTERED MAIL

☐ METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

Pursuant to W. Va. Code § 22-6A-10(b) no later than the filing date of the application, the applicant for a permit for any well work or for a certificate of approval for the construction of an impoundment or pit as required by this article shall deliver, by personal service or by registered mail or by any method of delivery that requires a receipt or signature confirmation, copies of the application, the erosion and sediment control plan required by section seven of this article, and the well plat to each of the following persons: (1) The owners of record of the surface of the tract on which the well is or is proposed to be located; (2) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for roads or other land disturbance as described in the erosion and sediment control plan submitted pursuant to subsection (c), section seven of this article; (3) The coal owner, operator or lessee, in the event the tract of land on which the well proposed to be drilled is located [sic] is known to be underlain by one or more coal seams; (4) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for the placement, construction, enlargement, alteration, repair, removal or abandonment of any impoundment or pit as described in section nine of this article; (5) Any surface owner or water purveyor who is known to the applicant to have a water well, spring or water supply source located within one thousand five hundred feet of the center of the well pad which is used to provide water for consumption by humans or domestic animals; and (6) The operator of any natural gas storage field within which the proposed well work activity is to take place. (c)(1) If more than three tenants in common or other co-owners of interests described in subsection (b) of this section hold interests in the lands, the applicant may serve the documents required upon the person described in the records of the sheriff required to be maintained pursuant to section eight, article one, chapter eleven-a of this code. (2) Notwithstanding any provision of this article to the contrary, notice to a lien holder is not notice to a landowner, unless the lien holder is the landowner. W. Va. Code R. § 35-8-5.7.a requires, in part, that the operator shall also provide the Well Site Safety Plan ("WSSP") to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

☑ Application Notice ☑ WSSP Notice ☑ E&S Plan Notice ☑ Well Plat Notice is hereby provided to:

☑ SURFACE OWNER(s)
Name: Okey L. Rine Jr.
Address: 6 Tracey Lane
Moundsville, WV 26041
Name:
Address:

☐ SURFACE OWNER(s) (Road and/or Other Disturbance)
Name:
Address:
Name:
Address:

☐ SURFACE OWNER(s) (Impoundments or Pits)
Name:
Address:

☑ COAL OWNER OR LESSEE
Name: Consol Mining Company, LLC
Address: 1000 Consol Energy Drive
Canonsburg, PA 15317

☑ COAL OPERATOR
Name: Murray Energy Corporation
Address: 46226 National Road
St. Clairsville, OH 43950

☑ SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)
Name: Sherry L. Burton
Address: RD 3 Box 241
Moundsville, WV 26041

☐ OPERATOR OF ANY NATURAL GAS STORAGE FIELD
Name:
Address:

*Please attach additional forms if necessary

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Environmental Protectio

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(9-13)

API NO. 47- 051 - ~~01855~~ 1856
OPERATOR WELL NO. 7H
Well Pad Name: Rine

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 than the **filing date of permit application.**

Date of Notice: _____ **Date Permit Application Filed:** _____

Notice of:

☑ PERMIT FOR ANY WELL WORK ☐ CERTIFICATE OF APPROVAL FOR THE CONSTRUCTION OF AN IMPOUNDMENT OR PIT

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

☐ PERSONAL SERVICE ☑ REGISTERED MAIL ☐ METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

Pursuant to W. Va. Code § 22-6A-10(b) no later than the filing date of the application, the applicant for a permit for any well work or for a certificate of approval for the construction of an impoundment or pit as required by this article shall deliver, by personal service or by registered mail or by any method of delivery that requires a receipt or signature confirmation, copies of the application, the erosion and sediment control plan required by section seven of this article, and the well plat to each of the following persons: (1) The owners of record of the surface of the tract on which the well is or is proposed to be located; (2) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for roads or other land disturbance as described in the erosion and sediment control plan submitted pursuant to subsection (c), section seven of this article; (3) The coal owner, operator or lessee, in the event the tract of land on which the well proposed to be drilled is located [sic] is known to be underlain by one or more coal seams; (4) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for the placement, construction, enlargement, alteration, repair, removal or abandonment of any impoundment or pit as described in section nine of this article; (5) Any surface owner or water purveyor who is known to the applicant to have a water well, spring or water supply source located within one thousand five hundred feet of the center of the well pad which is used to provide water for consumption by humans or domestic animals; and (6) The operator of any natural gas storage field within which the proposed well work activity is to take place. (c)(1) If more than three tenants in common or other co-owners of interests described in subsection (b) of this section hold interests in the lands, the applicant may serve the documents required upon the person described in the records of the sheriff required to be maintained pursuant to section eight, article one, chapter eleven-a of this code. (2) Notwithstanding any provision of this article to the contrary, notice to a lien holder is not notice to a landowner, unless the lien holder is the landowner. W. Va. Code R. § 35-8-5.7.a requires, in part, that the operator shall also provide the Well Site Safety Plan ("WSSP") to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

☑ Application Notice ☑ WSSP Notice ☑ E&S Plan Notice ☑ Well Plat Notice is hereby provided to:

☐ SURFACE OWNER(s)
Name: _____
Address: _____
_____
Name: _____
Address: _____
_____

☐ SURFACE OWNER(s) (Road and/or Other Disturbance)
Name: _____
Address: _____
_____
Name: _____
Address: _____
_____

☐ SURFACE OWNER(s) (Impoundments or Pits)
Name: _____
Address: _____
_____

☐ COAL OWNER OR LESSEE
Name: _____
Address: _____
_____

☐ COAL OPERATOR
Name: _____
Address: _____
_____

☑ SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)
Name: Jodi L. & Terry A. Harding
Address: 899 Toms Run Rd
Moundsville, WV 26041

☐ OPERATOR OF ANY NATURAL GAS STORAGE FIELD
Name: _____
Address: _____
_____

*Please attach additional forms if necessary

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Environmental Protection

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(9-13)

API NO. 47- 051 - 01855
OPERATOR WELL NO. 7H
Well Pad Name: Rine

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 than the **filing date of permit application.**

Date of Notice: _____ **Date Permit Application Filed:** _____

Notice of:

☑ PERMIT FOR ANY WELL WORK ☐ CERTIFICATE OF APPROVAL FOR THE CONSTRUCTION OF AN IMPOUNDMENT OR PIT

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

☐ PERSONAL SERVICE ☑ REGISTERED MAIL ☐ METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

Pursuant to W. Va. Code § 22-6A-10(b) no later than the filing date of the application, the applicant for a permit for any well work or for a certificate of approval for the construction of an impoundment or pit as required by this article shall deliver, by personal service or by registered mail or by any method of delivery that requires a receipt or signature confirmation, copies of the application, the erosion and sediment control plan required by section seven of this article, and the well plat to each of the following persons: (1) The owners of record of the surface of the tract on which the well is or is proposed to be located; (2) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for roads or other land disturbance as described in the erosion and sediment control plan submitted pursuant to subsection (c), section seven of this article; (3) The coal owner, operator or lessee, in the event the tract of land on which the well proposed to be drilled is located [sic] is known to be underlain by one or more coal seams; (4) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for the placement, construction, enlargement, alteration, repair, removal or abandonment of any impoundment or pit as described in section nine of this article; (5) Any surface owner or water purveyor who is known to the applicant to have a water well, spring or water supply source located within one thousand five hundred feet of the center of the well pad which is used to provide water for consumption by humans or domestic animals; and (6) The operator of any natural gas storage field within which the proposed well work activity is to take place. (c)(1) If more than three tenants in common or other co-owners of interests described in subsection (b) of this section hold interests in the lands, the applicant may serve the documents required upon the person described in the records of the sheriff required to be maintained pursuant to section eight, article one, chapter eleven-a of this code. (2) Notwithstanding any provision of this article to the contrary, notice to a lien holder is not notice to a landowner, unless the lien holder is the landowner. W. Va. Code R. § 35-8-5.7.a requires, in part, that the operator shall also provide the Well Site Safety Plan ("WSSP") to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

☑ Application Notice ☑ WSSP Notice ☑ E&S Plan Notice ☑ Well Plat Notice is hereby provided to:

☐ SURFACE OWNER(s)
Name: _____
Address: _____

Name: _____
Address: _____

☐ SURFACE OWNER(s) (Road and/or Other Disturbance)
Name: _____
Address: _____

Name: _____
Address: _____

☐ SURFACE OWNER(s) (Impoundments or Pits)
Name: _____
Address: _____

☐ COAL OWNER OR LESSEE
Name: _____
Address: _____

☐ COAL OPERATOR
Name: _____
Address: _____

☑ SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)
Name: Patricia S. Hoskins
Address: 19 Charles Drive
Moundsville, WV 26041

☐ OPERATOR OF ANY NATURAL GAS STORAGE FIELD
Name: _____
Address: _____

*Please attach additional forms if necessary

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(9-13)

API NO. 47- 051 01856
OPERATOR WELL NO. 7H
Well Pad Name: Rine

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 than the **filing date of permit application.**

Date of Notice: _____ **Date Permit Application Filed:** _____

Notice of:

☑ PERMIT FOR ANY WELL WORK ☐ CERTIFICATE OF APPROVAL FOR THE CONSTRUCTION OF AN IMPOUNDMENT OR PIT

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

☐ PERSONAL SERVICE ☑ REGISTERED MAIL ☐ METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

Pursuant to W. Va. Code § 22-6A-10(b) no later than the filing date of the application, the applicant for a permit for any well work or for a certificate of approval for the construction of an impoundment or pit as required by this article shall deliver, by personal service or by registered mail or by any method of delivery that requires a receipt or signature confirmation, copies of the application, the erosion and sediment control plan required by section seven of this article, and the well plat to each of the following persons: (1) The owners of record of the surface of the tract on which the well is or is proposed to be located; (2) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for roads or other land disturbance as described in the erosion and sediment control plan submitted pursuant to subsection (c), section seven of this article; (3) The coal owner, operator or lessee, in the event the tract of land on which the well proposed to be drilled is located [sic] is known to be underlain by one or more coal seams; (4) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for the placement, construction, enlargement, alteration, repair, removal or abandonment of any impoundment or pit as described in section nine of this article; (5) Any surface owner or water purveyor who is known to the applicant to have a water well, spring or water supply source located within one thousand five hundred feet of the center of the well pad which is used to provide water for consumption by humans or domestic animals; and (6) The operator of any natural gas storage field within which the proposed well work activity is to take place. (c)(1) If more than three tenants in common or other co-owners of interests described in subsection (b) of this section hold interests in the lands, the applicant may serve the documents required upon the person described in the records of the sheriff required to be maintained pursuant to section eight, article one, chapter eleven-a of this code. (2) Notwithstanding any provision of this article to the contrary, notice to a lien holder is not notice to a landowner, unless the lien holder is the landowner. W. Va. Code R. § 35-8-5.7.a requires, in part, that the operator shall also provide the Well Site Safety Plan ("WSSP") to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

☑ Application Notice ☑ WSSP Notice ☑ E&S Plan Notice ☑ Well Plat Notice is hereby provided to:

☐ SURFACE OWNER(s)
Name: _____
Address: _____
_____
Name: _____
Address: _____
_____

☐ SURFACE OWNER(s) (Road and/or Other Disturbance)
Name: _____
Address: _____
_____
Name: _____
Address: _____
_____

☐ SURFACE OWNER(s) (Impoundments or Pits)
Name: _____
Address: _____
_____

☐ COAL OWNER OR LESSEE
Name: _____
Address: _____
_____

☐ COAL OPERATOR
Name: _____
Address: _____
_____

☑ SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)
Name: Ronnie Pyles
Address: 1056 Toms Run Road
Moundsville, WV 26041

☐ OPERATOR OF ANY NATURAL GAS STORAGE FIELD
Name: _____
Address: _____
_____

*Please attach additional forms if necessary

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WV Department of
Environmental Protection

WW-6A
(9-13)

API NO. 47- 051 01856
OPERATOR WELL NO. 7H
Well Pad Name: Rine

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 than the **filing date of permit application.**

Date of Notice: _____ **Date Permit Application Filed:** _____

Notice of:

☑ PERMIT FOR ANY WELL WORK ☐ CERTIFICATE OF APPROVAL FOR THE CONSTRUCTION OF AN IMPOUNDMENT OR PIT

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

☐ PERSONAL SERVICE ☑ REGISTERED MAIL ☐ METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

Pursuant to W. Va. Code § 22-6A-10(b) no later than the filing date of the application, the applicant for a permit for any well work or for a certificate of approval for the construction of an impoundment or pit as required by this article shall deliver, by personal service or by registered mail or by any method of delivery that requires a receipt or signature confirmation, copies of the application, the erosion and sediment control plan required by section seven of this article, and the well plat to each of the following persons: (1) The owners of record of the surface of the tract on which the well is or is proposed to be located; (2) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for roads or other land disturbance as described in the erosion and sediment control plan submitted pursuant to subsection (c), section seven of this article; (3) The coal owner, operator or lessee, in the event the tract of land on which the well proposed to be drilled is located [sic] is known to be underlain by one or more coal seams; (4) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for the placement, construction, enlargement, alteration, repair, removal or abandonment of any impoundment or pit as described in section nine of this article; (5) Any surface owner or water purveyor who is known to the applicant to have a water well, spring or water supply source located within one thousand five hundred feet of the center of the well pad which is used to provide water for consumption by humans or domestic animals; and (6) The operator of any natural gas storage field within which the proposed well work activity is to take place. (c)(1) If more than three tenants in common or other co-owners of interests described in subsection (b) of this section hold interests in the lands, the applicant may serve the documents required upon the person described in the records of the sheriff required to be maintained pursuant to section eight, article one, chapter eleven-a of this code. (2) Notwithstanding any provision of this article to the contrary, notice to a lien holder is not notice to a landowner, unless the lien holder is the landowner. W. Va. Code R. § 35-8-5.7.a requires, in part, that the operator shall also provide the Well Site Safety Plan ("WSSP") to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

☑ Application Notice ☑ WSSP Notice ☑ E&S Plan Notice ☑ Well Plat Notice is hereby provided to:

☐ SURFACE OWNER(s)
Name: _____
Address: _____
_____
Name: _____
Address: _____
_____

☐ SURFACE OWNER(s) (Road and/or Other Disturbance)
Name: _____
Address: _____
_____
Name: _____
Address: _____
_____

☐ SURFACE OWNER(s) (Impoundments or Pits)
Name: _____
Address: _____
_____

☐ COAL OWNER OR LESSEE
Name: _____
Address: _____
_____

☐ COAL OPERATOR
Name: _____
Address: _____
_____

☑ SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)
Name: William H. Thomas
Address: 1074 Toms Run Rd
Moundsville, WV 26041

☐ OPERATOR OF ANY NATURAL GAS STORAGE FIELD
Name: _____
Address: _____
_____

*Please attach additional forms if necessary

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WW-6A
(8-13)

API NO. 47- 051 - 01855 01856
OPERATOR WELL NO. 7H
Well Pad Name: Rine

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

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

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

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

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

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

Well Location Restrictions
Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two hundred fifty feet measured horizontally from any existing water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided, whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements. (b) No well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No well pad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the department shall be measured as follows: (1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the lake or reservoir. (2) For a surface water intake on a flowing stream, the distance shall be measured from a semicircular radius extending upstream of the surface water intake. (3) For a groundwater source, the distance shall be measured from the wellhead or spring. The department may, in its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. A waiver, if granted, shall impose any permit conditions as the secretary considers necessary. (c) Notwithstanding the foregoing provisions of this section, nothing contained in this section prevents an operator from conducting the activities permitted or authorized by a Clean Water Act Section 404 permit or other approval from the United States Army Corps of Engineers within any waters of the state or within the restricted areas referenced in this section. (d) The well location restrictions set forth in this section shall not apply to any well on a multiple well pad if at least one of the wells was permitted prior to the effective date of this article. (e) The secretary shall, by December 31, 2013, report to the Legislature on the noise, light, dust and volatile organic compounds generated by the drilling of horizontal wells as they relate to the well location restrictions regarding occupied dwelling structures pursuant to this section. Upon a finding, if any, by the secretary that the well location restrictions regarding occupied dwelling structures are inadequate or otherwise require alteration to address the items

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

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

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

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

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

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

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

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

WW-6A
(8-13)

API NO. 47- 051 - ~~07855~~ 01856
OPERATOR WELL NO. 7H
Well Pad Name: Rine

Time Limits and Methods for Filing Comments.

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

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

Comment Requirements

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

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

Permit Denial or Condition

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

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

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

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

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WW-6A
(8-13)

API NO. 47- 051 - 01856 ~~01855~~
OPERATOR WELL NO. 7H
Well Pad Name: Rine

Notice is hereby given by:

Well Operator: Chevron Appalachia, LLC
Address: 800 Mountain View Drive
Smithfield, PA 15478
Telephone: 724-564-3700
Email:
Facsimile: 724-564-3894

Jenny Heyse

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.

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 20th day of May, 2015.

Kristen Brooks Notary Public

My Commission Expires Sept 2, 2018

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WATER SUPPLY EXHIBIT
RINE

Date: 4/16/2015

Blue Mountain Inc.

#	TAX MAP #	NAME (last name first)
1	14-11-3	ANDERSON, CHARLES R.
2	14-9-44.1	BAKER, BOBBY G.
3	14-9-44.4	BAKER, BRUCE W.
4	14-12-33.2	BOSTON, DONALD M.
5	14-9-35	BRADY, ROGER A.
6	14-9-36	BRADY, ROGER A.
7	14-9-36.1	BRADY, ROGER A.
8	14-9-34	BRADY, ROGER A.
9	14-11-3.1	BRADY, ROGER D.
10	14-9-39.3	BURTON, SHERRY L.
11	14-11-16.1	COCHRAN, CARL A.
12	14-9-44.2	COREY, BRYAN D.
13	14-9-45	COREY, BRYAN D.
14	14-9-45.1	COREY, BRYAN D.
15	14-9-45.2	COREY, BRYAN D.
16	14-9-47	CROW, ALAN N.
17	14-9-38.1	DERROW, SAMUEL R.
18	14-9-39	DERROW, SAMUEL R. & ANGELA R.
19	14-9-38	FURBEE, LARRY T. & REBEKAH D.
20	14-12-25	GOODNIGHT, ARNIE N.
21	14-12-67	GOODNIGHT, OSCAR
22	14-12-67.5	GOODNIGHT, OSCAR
23	14-12-30.2	GOSSETT, LANCE J.
24	14-12-32	GOULDSBERRY, DOUGLAS E.
25	14-9-44.3	GRANDSTAFF, MARK G. ~~GRANDSTAFF, ELMER JR.~~
26	14-12-27.1	HAINES, WILLIAM L. & TINA M.
27	14-12-28	HAINES, WILLIAM L. & TINA M.
28	14-12-29	HARDING, JODI L. & TERRY A.
29	14-12-30	HINES, DONALD
31	14-9-32.1	HOOKER, JAMES M.
32	14-9-32	HOOKER, WILLIAM J. JR.
33	14-9-33	HOOKER, WILLIAM J. JR.

#	TAX MAP #	NAME (last name first)
34	14-12-31	HOSKINS, PATRICIA S.
35	14-9-39.5	KALE, MACK B. & SHARON K.
36	14-12-27	KNUTH, EDWARD D.
37	14-12-28.1	KNUTH, EDWARD D. & KATHY JO
38	14-11-1.1	LAVENSKI, STEVEN M.
39	14-10-5	LOVAS, JOHN
40	14-9-39.4	LUCAS, ROBERT D.
41	14-9-46	MCCARTNEY, MICHAEL J.
42	14-9-46.1	MCCARTNEY, MICHAEL J.
43	14-9-44	OLIVER, GERALD
44	14-9-36.2	PARKER, PETER
45	14-9-40	PYLES, RONNIE
46	14-9-43	PYLES, RONNIE
47	14-11-3.3	RICHARDS, EDWARD R. & JENA L.
48	14-9-31	RINE, KEVIN D. & RAYETTA
49	14-9-31.4	RINE, KEVIN D. & RAYETTA
50	14-9-31.3	RINE, KEVIN D. & RAYETTA
51	14-11-1 11-14-1	RINE, OKEY L. JR.
52	14-12-31.1	ROBERTS, EARNEST L.
53	14-11-16	SHIPLEY, PAUL E. & BRENT L.
54	14-10-6	SIBURT, MILDRED F.
55	14-12-26	STATE OF W VA
56	14-9-31.2	THOMAS, HARRY & SUSAN K.
57	14-9-39.2	THOMAS, WILLIAM H.
58	14-9-39.1	THOMAS, WILLIAM H.
59	14-11-2	TURNER, D. FRANCIS
60	14-11-2.1	TURNER, D. FRANCIS
61	14-9-42	WADE, RUSTY
62	14-9-37	WOOD, TERRY A. SR. & GLORIA G.
63	14-9-31.1	WOOD, TERRY A. SR. & GLORIA G.
64	14-9-30	WOOD, TERRY A. SR. & GLORIA G.
65	14-9-29	WOOD, TERRY A. SR. & GLORIA G.

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SURFACE OWNER: **OKEY L. RINE, JR.**

OIL/GAS OWNER: **OKEY L. RINE, JR.**

WELL OPERATOR: **CHEVRON APPALACHIA, LLC**

ADDRESS: **800 MOUNTAIN VIEW DRIVE**
SMITHFIELD, PA 15478

PHONE: **724-564-3700**

COUNTY: **MARSHALL**

DISTRICT: **WASHINGTON**

SURVEYOR: **BLUE MOUNTAIN INC.**

ADDRESS: **10125 MASON DIXON HIGHWAY**
BURTON, WV 26562

PHONE: **304-662-6486**

S1-~~01855~~ 01856

WATER SUPPLY EXHIBIT

Date: 4/16/2015

RINE

Blue Mountain Inc.

LETTER	NAME	SUPPLY	LAT	LON	PHONE
A	ANDERSON, CHARLES R.	WELL	39.907021	-80.680915	304-845-0590
B	BAKER, BOBBY G.	WELL	39.909803	-80.699602	304-845-1836
C	BOSTON, DONALD M.	SPRING	39.900989	-80.700794	
D	BOSTON, DONALD M.	SPRING	39.901272	-80.700407	
E	BURTON, SHERRY L.	WELL	39.911894	-80.693996	304-281-8066
F	GOODNIGHT, ARNIE N.	WELL	39.905245	-80.708656	304-845-8505 home 304-894-7423 cell
G	GOODNIGHT, ARNIE N.	WELL	39.904482	-80.708216	304-845-8505 home 304-894-7423 cell
H	GOODNIGHT, OSCAR	WELL	39.904526	-80.706971	
I	GOODNIGHT, OSCAR	DUG WELL	39.905167	-80.706757	
J	GOSSETT, LANCE J.	SPRING	39.904201	-80.695467	304-639-4065 or 304-845-1143
K	GOULDSBERRY, DOUGLAS E.	DUG WELL	39.901747	-80.697674	304-830-1265 or 304-830-1264
L	GOULDSBERRY, DOUGLAS E.	SPRING	39.897805	-80.693637	304-830-1265 or 304-830-1264
M	GOULDSBERRY, DOUGLAS E.	SPRING	39.901761	-80.695972	304-830-1265 or 304-830-1264
N	GOULDSBERRY, DOUGLAS E.	SPRING	39.901190	-80.693616	304-830-1265 or 304-830-1264
O	GOULDSBERRY, DOUGLAS E.	STREAM	39.901272	-80.693821	304-830-1265 or 304-830-1264
P	GOULDSBERRY, DOUGLAS E.	STREAM	39.901614	-80.693763	304-830-1265 or 304-830-1264
Q	GRANDSTAFF, MARK G. ~~GRANDSTAFF, ELMER JR.~~	WELL	39.909796	-80.699291	304-810-4664 304-810-0767 304-780-8287 cell

	2H	4H	5H	6H	7H	8H	9H	10H	11H	12H
A	3220.35	3214.773	3192.793	3209.311	3187.356	3203.965	3182.036	3198.734	3176.832	3193.621
B	2137.97	2146.9	2169.26	2155.978	2178.337	2165.202	2187.558	2174.572	2196.924	2184.084
C	3901.883	3921.694	3934.381	3941.507	3954.181	3961.319	3973.98	3981.136	3993.784	4000.952
D	3753.439	3773.264	3785.859	3793.09	3805.672	3812.916	3825.486	3832.747	3845.303	3852.576
E	1098.951	1089.622	1102.944	1080.582	1094.197	1071.841	1085.749	1063.403	1077.606	1055.277
F	4897.135	4912.197	4932.882	4927.294	4947.956	4942.424	4963.063	4957.59	4978.207	4972.789
G	4872.538	4888.386	4908.507	4904.264	4924.361	4920.17	4940.243	4936.108	4956.157	4952.074
H	4542.251	4558.392	4578.27	4574.563	4594.415	4590.763	4610.588	4606.995	4626.794	4623.254
I	4401.716	4417.325	4437.63	4432.97	4453.248	4448.648	4468.9	4464.363	4484.588	4480.11
J	2093.445	2113.405	2122.221	2133.366	2142.193	2153.325	2162.164	2173.288	2182.137	2193.249
K	3175.311	3195.307	3204.942	3215.303	3224.94	3235.296	3244.936	3255.293	3264.935	3275.286
L	4209.833	4227.963	4228.665	4246.111	4246.856	4264.272	4265.062	4282.453	4283.183	4300.647
M	2960.594	2980.338	2987.109	3000.087	3006.879	3019.836	3026.65	3039.594	3046.401	3059.346
N	2986.179	3004.656	3006.351	3023.153	3024.903	3041.667	3043.472	3060.202	3062.062	3078.763
O	2965.966	2984.597	2986.75	3003.247	3005.453	3021.911	3024.17	3040.595	3042.9	3059.293
P	2840.447	2859.093	2861.293	2877.757	2880.012	2896.436	2898.746	2915.136	2917.499	2933.85
Q	2050.844	2059.734	2082.094	2068.778	2091.137	2077.975	2100.331	2087.324	2109.67	2096.821

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S1-01855
01856

WATER SUPPLY EXHIBIT

Date: 4/16/2015

RINE

Blue Mountain Inc.

LETTER	NAME	SUPPLY	LAT	LON	PHONE
R	HAINES, WILLIAM L. & TINA M.	SPRING	39.909259	-80.697716	304-221-2057
S	HAINES, WILLIAM L. & TINA M.	WELL	39.909475	-80.697363	304-221-2057
T	HARDING, JODI L. & TERRY A.	STREAM	39.909807	-80.696167	304-845-6315 or c724-231-9109
U	HARDING, JODI L. & TERRY A.	SPRING	39.910520	-80.694545	304-845-6315 or 724-231-9109 cell
V	HOOKER, JAMES M.	WELL	39.916715	-80.688209	
W	HOOKER, WILLIAM J. JR.	WELL	39.917204	-80.686112	304-231-4638
X	HOSKINS, PATRICIA S.	SPRING	39.901697	-80.689369	304-845-6436
Y	HOSKINS, PATRICIA S.	SPRING	39.902690	-80.689290	304-845-6436
Z	HOSKINS, PATRICIA S.	SPRING	39.906290	-80.690356	304-845-6436
A1	HOSKINS, PATRICIA S.	POND	39.903181	-80.688799	304-845-6436
B1	KNUTH, EDWARD D.	SPRING	39.908720	-80.698604	304-845-7519
C1	KNUTH, EDWARD D.	SPRING	39.908324	-80.698930	304-845-7519
D1	KNUTH, EDWARD D.	SPRING	39.907285	-80.697478	304-845-7519
E1	KNUTH, EDWARD D.	WELL	39.909127	-80.698691	304-845-7519
F1	LOVAS, JOHN	WELL	39.916192	-80684240	740-695-3749
G1	LOVAS, JOHN	POND	39.916214	-80.685434	740-695-3749
H1	OLIVER, GERALD	STREAM	39.909746	-81.698354	304-845-7675 home 304-238-3433 cell

	2H	4H	5H	6H	7H	8H	9H	10H	11H	12H
R	1600.919	1611.521	1633.771	1622.301	1644.526	1633.254	1655.453	1644.378	1666.549	1655.668
S	1503.295	1513.014	1535.347	1522.933	1545.253	1533.049	1555.351	1543.358	1565.641	1553.855
T	1181.235	1188.921	1211.24	1196.892	1219.229	1205.141	1227.491	1213.664	1236.022	1222.455
U	839.9475	839.8836	860.0262	840.2959	860.6613	841.1838	861.7603	842.5455	863.3212	844.3789
V	2905.755	2886.045	2879.678	2866.339	2859.998	2846.639	2840.325	2826.941	2820.654	2807.25
W	3322.34	3302.345	3292.904	3282.351	3272.913	3262.359	3252.924	3242.365	3232.934	3222.373
X	2864.706	2878.574	2871.227	2892.515	2885.273	2906.524	2899.386	2920.605	2913.57	2934.753
Y	2523.635	2536.84	2528.567	2550.134	2541.983	2563.513	2555.482	2576.979	2569.069	2590.528
Z	1188.443	1200.245	1190.299	1212.262	1202.582	1224.486	1215.068	1236.914	1227.755	1249.538
A1	2401.944	2413.956	2404.12	2426.073	2416.369	2438.293	2428.72	2450.617	2441.174	2463.039
B1	1861.74	1874.038	1895.945	1886.468	1908.337	1899.026	1920.857	1911.713	1933.503	1924.522
C1	1973.299	1986.627	2008.189	2000.065	2021.583	2013.611	2035.084	2027.265	2048.692	2041.022
D1	1699.701	1716.463	1735.755	1733.294	1752.515	1750.19	1769.34	1767.153	1786.233	1784.177
E1	1875.354	1886.355	1908.547	1897.502	1919.67	1908.793	1930.935	1920.227	1942.342	1931.66
F1	3326.008	3306.294	3293.108	3286.583	3273.378	3266.878	3253.655	3247.174	3233.932	3227.46
G1	3123.331	3103.405	3091.772	3083.48	3071.837	3063.558	3051.904	3043.635	3031.971	3023.715
H1	1787.436	1796.284	1818.644	1805.31	1827.669	1814.511	1836.867	1823.886	1846.237	1833.42

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SI-01855 01856

WATER SUPPLY EXHIBIT

Date: 4/16/2015

RINE

Blue Mountain Inc.

LETTER	NAME	SUPPLY	LAT	LON	PHONE
I1	PYLES, RONNIE	WELL	39.911619	-80.694607	304-845-2288
J1	PYLES, RONNIE	SPRING	39.911467	-80.695412	304-845-2288
K1	RINE, KEVIN D. & RAYETTA	WELL	39.91533	-80.693432	
L1	RINE, KEVIN D. & RAYETTA	WELL	39.914937	-80.6935	
M1	RINE, OKEY L. JR.	WELL	39.907931	-80.683708	304-845-1533 home 304-650-5792 cell
N1	RINE, OKEY L. JR.	POND	39.910061	-80.686929	304-845-1533 home 304-650-5792 cell
O1	RINE, OKEY L. JR.	POND	39.908224	-80.687836	304-845-1533 home 304-650-5792 cell
P1	ROBERTS, EARNEST L.	DUG WELL	39.904381	-80.690395	304-843-1094
Q1	SIBURT, MILDRED F.	SPRING	39.908125	-80.679962	304-639-4355
R1	SIBURT, MILDRED F.	SPRING	39.908164	-80.680489	304-639-4355
S1	THOMAS, WILLIAM H.	WELL	39.911794	-80.694191	304-845-6459
T1	THOMAS, WILLIAM H.	WELL	39.911753	-80.694372	304-845-6459
U1	TURNER, D. FRANCIS	WELL	39.905569	-80.683945	304-845-2477 or 304-281-3977 cell
V1	TURNER, D. FRANCIS	SPRING	39.906297	-80.682497	304-845-2477 or 304-281-3977 cell
W1	TURNER, D. FRANCIS	SPRING	39.903295	-80.684707	304-845-2477 or 304-281-3977 cell
X1	TURNER, D. FRANCIS	STREAM	39.905019	-80.681639	304-845-2477 or 304-281-3977 cell

	2H	4H	5H	6H	7H	8H	9H	10H	11H	12H
I1	1117.323	1111.294	1127.589	1105.595	1122.15	1100.23	1117.044	1095.204	1112.273	1090.522
J1	1240.082	1237.315	1255.902	1234.865	1253.649	1232.736	1251.711	1230.927	1250.09	1229.442
K1	2234.67	2219.741	2225.756	2204.893	2211.039	2190.128	2196.406	2175.445	2181.857	2160.849
L1	2097.692	2083.052	2089.539	2068.501	2075.13	2054.044	2060.816	2039.678	2046.596	2025.41
M1	2380.925	2374.415	2352.263	2368.055	2345.929	2361.849	2339.749	2355.795	2333.724	2349.897
N1	1452.136	1438.737	1417.172	1425.494	1403.867	1412.411	1390.724	1399.49	1377.745	1386.738
O1	1233.79	1229.499	1207.876	1225.519	1203.991	1221.854	1200.427	1218.505	1197.186	1215.477
P1	1846.011	1860.095	1853.137	1874.286	1867.488	1888.581	1881.941	1902.98	1896.496	1917.478
Q1	3406.11	3397.999	3375.665	3389.986	3367.659	3382.074	3359.753	3374.26	3351.947	3366.548
R1	3257.664	3249.58	3227.248	3241.599	3219.274	3233.722	3211.405	3225.95	3203.641	3218.284
S1	1097.264	1089.014	1103.388	1081.071	1095.732	1073.443	1088.39	1066.135	1081.368	[illegible]
T1	1114.334	1106.918	1122.047	1099.816	1115.22	1093.035	1108.714	1086.578	1102.531	[illegible]
U1	2637.898	2637.867	2617.909	2637.989	2618.108	2638.261	2618.459	2638.686	2618.963	2639.262
V1	2883.022	2879.958	2858.694	2877.029	2855.813	2874.237	2853.07	2871.581	2850.465	2869.062
W1	2995.222	3000.66	2984.217	3006.22	2989.875	3011.902	2995.655	3017.707	3001.558	3023.632
X1	3299.634	3298.613	3278.168	3297.713	3277.323	3296.934	3276.6	3296.275	3275.999	3295.736

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51-01855 01856

WW-6A3
(1/12)

Operator Well No. RINE

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF ENTRY FOR PLAT SURVEY

Notice Time Requirement: Notice shall be provided at least **SEVEN (7)** days but no more than **FORTY-FIVE (45)** days prior to entry

Date of Notice: 09-02-2014 **Date of Planned Entry:** 09-09-2014

Delivery method pursuant to West Virginia Code § 22-6A-10a

☐ PERSONAL SERVICE ☐ REGISTERED MAIL ☒ METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

Pursuant to West Virginia Code § 22-6A-10(a), Prior to filing a permit application, the operator shall provide notice of planned entry on to the surface tract to conduct any plat surveys required pursuant to this article. Such notice shall be provided at least seven days but no more than forty-five days prior to such entry to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams beneath such tract that has filed a declaration pursuant to section thirty-six, article six, chapter twenty-two of this code; and (3) any owner of minerals underlying such tract in the county tax records. The notice shall include a statement that copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, which statement shall include contact information, including the address for a web page on the Secretary's web site, to enable the surface owner to obtain copies from the secretary.

Notice is hereby provided to:

☒ SURFACE OWNER(s)
Name: OKEY L. RINE, JR.
Address: 6 TRACEY LN
MOUNSDVILLE, WV 26041
Name:
Address:
Name:
Address:

☐ COAL OWNER OR LESSEE
Name:
Address:

☐ MINERAL OWNER(s)
Name:
Address:

*please attach additional forms if necessary

Notice is hereby given:
Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct a plat survey on the tract of land as follows:

State:	WEST VIRGINIA	Approx. Latitude & Longitude:	LAT: 39°54'33" LON: 80°41'15"
County:	MARSHALL	Public Road Access:	CR 38, CAMPBELL HILL ROAD
District:	WASHINGTON	Watershed:	MIDDLE GRAVE CREEK-GRAVE CREEK
Quadrangle:	MOUNDSVILLE	Generally used farm name:	RINE

Copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450). Copies of such documents or additional information related to horizontal drilling may be obtained from the Secretary by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Notice is hereby given by:

Well Operator:	Chevron North America Exploration and Production Company	Address:	800 Mountain View Drive Smithfield, Pa 15478
Telephone:	724-564-3851		
Email:	dwolfe@chevron.com	Facsimile:	724-564-3894

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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.

51-~~01855~~ 01852

WW-6A4
(1/12)

Operator Well No. 7H

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

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

Notice Time Requirement: Notice shall be provided at least **TEN (10)** days prior to filing a permit application.
Date of Notice: 05/21/2015 **Date Permit Application Filed:** 6/29/15

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

☐ HAND DELIVERY ☑ CERTIFIED MAIL RETURN RECEIPT REQUESTED

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

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

Name: Okey L. Rine Jr.
Address: 6 Tracey Lane
Moundsville, WV 26041

Name:
Address:

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

State: West Virginia
County: Marshall
District: Washington
Quadrangle: Moundsville, WV
Watershed: Middle Grave Creek - Grave Creek

UTM NAD 83 Easting: 526338.173
Northing: 4417744.245
Public Road Access: Campbell Hill Rd.
Generally used farm name: Rine

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

Notice is hereby given by:

Well Operator: Chevron Appalachia, LLC
Address: 800 Mountain View Dr
Smithfield, PA 15478
Telephone: 724-564-3700
Email:
Facsimile: 724-564-3894

Authorized Representative:
Address:
Telephone:
Email:
Facsimile:

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

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051-01855 01852

WW-6A5
(1/12)

Operator Well No. 7H

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

Notice Time Requirement: notice shall be provided no later than the **filing date of permit application.**
Date of Notice: 05/21/2015 **Date Permit Application Filed:** 6/24/15

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

☒ CERTIFIED MAIL RETURN RECEIPT REQUESTED ☐ HAND DELIVERY

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

Notice is hereby provided to the SURFACE OWNER(s)
(at the address listed in the records of the sheriff at the time of notice):

Name: Okey L. Rine Jr.
Address: 6 Tracey Lane
Moundsville, WV 26041

Name:
Address:

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

State: West Virginia
County: Marshall
District: Washington
Quadrangle: Moundsville, WV
Watershed: Middle Grave Creek - Grave Creek

UTM NAD 83 Easting: 526338.173
Northing: 4417744.245
Public Road Access: Campbell Hill Rd
Generally used farm name: Rine

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

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.

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WW-6AW
(1-12)

API NO. 47- 051 - ~~01855~~ 01856
OPERATOR WELL NO. 7H
Well Pad Name: Rine

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

VOLUNTARY STATEMENT OF NO OBJECTION

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

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

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

VOLUNTARY STATEMENT OF NO OBJECTION

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

State:	West Virginia	UTM NAD 83 Easting:	526338.173
County:	Marshall	Northing:	4417744.245
District:	Washington	Public Road Access:	Campbell Hill Rd
Quadrangle:	Moundsville, WV	Generally used farm name:	Rine
Watershed:	Middle Grave Creek - Grave Creek		

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

*Please check the box that applies	FOR EXECUTION BY A NATURAL PERSON
☒ SURFACE OWNER	Signature: Okey L Rine Jr
☐ SURFACE OWNER (Road and/or Other Disturbance)	Print Name: Okey L Rine Jr
☐ SURFACE OWNER (Impoundments/Pits)	Date: 5/30/15
☐ COAL OWNER OR LESSEE	FOR EXECUTION BY A CORPORATION, ETC.
☐ COAL OPERATOR	Company: _____
☐ WATER PURVEYOR	By: _____
☐ OPERATOR OF ANY NATURAL GAS STORAGE FIELD	Its: _____
	Signature: _____
	Date: _____

Oil and Gas Privacy Notice:
The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the 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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WW-6AW
(1-12)

API NO. 051-01855
OPERATOR WELL NO. Rine 7H
Well Pad Name: Rine

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

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

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

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

VOLUNTARY STATEMENT OF NO OBJECTION

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

State:	West Virginia	West Virginia North State Plane NAD 27	East:	1,665,607.773 ft
County:	Marshall		North:	515,522.622 ft
District:	Washington	Public Road Access:		
Quadrangle:	MOUNDSVILLE	Generally used farm name:		
Watershed:	Middle Grave Creek			

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials, **provided that Chevron U.S.A. Inc. drills the well on West Virginia North State Plane NAD 27 coordinates of North 515,522.622 ft, East 1,665,607.773 ft in accordance with the Agreement between Consolidation Coal Company and Chevron U.S.A. Inc. dated 6/1/2015.**

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*Please check the box that applies

- ☐ SURFACE OWNER
- ☐ SURFACE OWNER (Road and/or Other Disturbance)
- ☐ SURFACE OWNER (Impoundments/Pits)
- ☐ COAL OWNER OR LESSEE
- ☒ COAL OPERATOR
- ☐ WATER PURVEYOR
- ☐ OPERATOR OF ANY NATURAL GAS STORAGE FIELD

FOR EXECUTION BY A NATURAL PERSON

Signature: _____
Print Name: _____
Date: _____

FOR EXECUTION BY A CORPORATION, ETC.

Company: Consolidation Coal Company
By: Alex O'Neill
Its: Coal, Oil & Gas Relations Manager
Signature: _____
Date: 6/8/2015

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

WW-6AW
(1-12)

API NO. 47- 051 - 01855 01856
OPERATOR WELL NO. 7H
Well Pad Name: Rine

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

VOLUNTARY STATEMENT OF NO OBJECTION

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

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

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

VOLUNTARY STATEMENT OF NO OBJECTION

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

State:	West Virginia	UTM NAD 83 Easting:	526338.173
County:	Marshall	Northing:	4417744.245
District:	Washington	Public Road Access:	Campbell Hill Rd
Quadrangle:	Moundsville, WV	Generally used farm name:	Rine
Watershed:	Middle Grave Creek - Grave Creek		

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

*Please check the box that applies

- ☐ SURFACE OWNER
- ☐ SURFACE OWNER (Road and/or Other Disturbance)
- ☐ SURFACE OWNER (Impoundments/Pits)
- ☐ COAL OWNER OR LESSEE
- ☐ COAL OPERATOR
- ☒ WATER PURVEYOR
- ☐ OPERATOR OF ANY NATURAL GAS STORAGE FIELD

FOR EXECUTION BY A NATURAL PERSON
Signature: Ronnie E Ryles
Print Name: Ronnie E. Ryles
Date: 5-27-15

FOR EXECUTION BY A CORPORATION, ETC.
Company: _____
By: _____
Its: _____
Signature: _____
Date: _____

Oil and Gas Privacy Notice:
The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the 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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JUL 01 2015
WV Department of
Environmental Protection

WW-6AW
(1-12)

API NO. 47- 051 - 01856
OPERATOR WELL NO. 7H
Well Pad Name: Rine

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

VOLUNTARY STATEMENT OF NO OBJECTION

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

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

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

VOLUNTARY STATEMENT OF NO OBJECTION

I, Terry Hardy & Joni Harding, 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 5, including the erosion and sediment control plan, if required, and the well plat, all for proposed well work on the tract of land as follows:

State:	West Virginia	UTM NAD 83 Easting:	526338.173
County:	Marshall	Northing:	4417744.245
District:	Washington	Public Road Access:	Campbell Hill Rd
Quadrangle:	Moundsville, WV	Generally used farm name:	Rine
Watershed:	Middle Grave Creek - Grave Creek		

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

*Please check the box that applies

- ☐ SURFACE OWNER
- ☐ SURFACE OWNER (Road and/or Other Disturbance)
- ☐ SURFACE OWNER (Impoundments/Pits)
- ☐ COAL OWNER OR LESSEE
- ☐ COAL OPERATOR
- ☒ WATER PURVEYOR
- ☐ OPERATOR OF ANY NATURAL GAS STORAGE FIELD

FOR EXECUTION BY A NATURAL PERSON

Signature: Terry Hardy Joni Harding
Print Name: Terry Hardy Joni Harding
Date: 6-31-2015 6-1-15

FOR EXECUTION BY A CORPORATION, ETC.

Company: _____
By: _____
Its: _____

Signature: _____
Date: _____

Oil and Gas Privacy Notice:
The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the 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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Office of Oil and Gas
JUL 01 2015
WV Department of
Environmental Protection

051- ~~0855~~ 01852

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

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

Earl Ray Tomblin
Governor

Paul A. Mattox, Jr., P. E.
Secretary of Transportation/
Commissioner of Highways

May 6, 2015

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 Rine A Well Pad, Marshall County

Rine A Unit 5H Rine A Unit 7H Rine A Unit 9H Rine A Unit 11H

Dear Mr. Martin,

The West Virginia Division of Highways has issued Permit #06-2015-0198 for the subject site to Chevron Appalachia, LLC for access to the State Road for the well site located off of Marshall County Route 38 SLS.

The operator has signed a STATEWIDE OIL AND GAS ROAD MAINTENANCE BONDING AGREEMENT and provided the required Bond. This operator is currently in compliance with the DOH OIL AND GAS POLICY dated January 3, 2012.

Very Truly Yours,

Gary K. Clayton

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

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Office of Oil and Gas
JUL 01 2015
WV Department of
Environmental Protection

Cc: Kristen R. Brooks
Chevron Appalachia, LLC
CH, OM, D-6
File

NAD 83

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JUL 01 2015
WV Department of
Environmental Protection

Hydraulic Fracturing Fluid Product Component Information - MSDS Base

Fracture Date:	
State:	
Operator Name:	
Well Name and Number:	Rine
Total Water Volume (gal)*:	

Hydraulic Fracturing Fluid Composition - MSDS Base

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Clean Volume	Chevron AMBU	Carrier/Base Fluid	Water (Including Mix Water Supplied by Client)*	NA		89.16250455%	
Proppant	Schlumberger	Proppant					
			Crystalline Silica	14808-60-7	100	10.68016923%	
M300	BASF Corporation	Biocide					
			Water	7732-18-5	75	0.00000000%	
			Glutaral	111-30-8	25	0.00000000%	
7.5% Acid	Schlumberger	Perf Cleanup					
			Hydrocloric Acid	7647-01-0	8	0.00923732%	
15% Acid	Schlumberger	Perf Cleanup					
			Hydrocloric Acid	7647-01 -0	15	0.00000000%	
A264	Schlumberger	Corrosion Inhibitor					
			Methanol	67-56-1	40	0.00004213%	
			Prop-2-yn-1-ol	107-19-7	10	0.00001053%	
			Aliphatic acids	Proprietary	30	0.00003160%	
			Aliphatic alcohols, ethoxylayed #1	Proprietary	30	0.00003160%	
L058	Schlumberger	Iron Stabilizer					
			Sodum erythorbate	6381-77-7	100	0.00056630%	
J134	Schlumberger	Gel Breaker					
			Hemicellulase enzyme	9012-54-8	100	0.00113112%	
J580	Schlumberger	Gelling Agent					
			Carbohydrate polymer	Proprietary	100	0.02255679%	
J609W	Schlumberger	Friction Reducer					
			Ammonium Sulfate	7783-20-2	30	0.00054736%	
			Urea	57-13-6	5	0.00054736%	
U042	Schlumberger	Iron Chelating Agent					
			Tetrasodium ethylenediam inetetraacetate	64-02-8	60	0.00077882%	
			Sodium hydroxide	1310-73-2	5	0.00006490%	
			Trisodium nitrilotriacetate (im purity)	5064-31 -3	10	0.00012980%	
B317	Schlumberger	Scale Inhibitor					
			Trisodium ortho phosphate	7601 -54-9	5	0.00003882%	
			Ethane-1 ,2-diol	1 07-21 -1	5	0.00003882%	

* Total Water Volume sources may include fresh water, produced water, and/or recycled water

** Information is based on the maximum potential for concentration and thus the total may be over 100%

Report ID: RPT-24821 (Generated on 2/27/2014 9:48 AM)

All component information listed was obtained from the supplier's Material Safety Data Sheets (MSDS). As such, the Operator is not responsible for inaccurate and/or incomplete information. Any questions regarding the content of the MSDS should be directed to the supplier who provided it. The Occupational Safety and Health Administration's (OSHA) regulations govern the criteria for the disclosure of this information. Please note that Federal Law protects "proprietary", "trade secret", and "confidential business information" and the criteria for how this information is reported on an MSDS is subject to 29 CFR 1910.1200(i) and Appendix D.

4705101856

APPROVED
WVDEP OOG
8/31/2015

RINE WELL SITE

EROSION AND SEDIMENT CONTROL AND SITE RESTORATION PLAN

CAMPBELL HILL ROAD (CO 38), WASHINGTON DISTRICT
MARSHALL COUNTY, WV

PREPARED FOR:

CHEVRON APPALACHIA, LLC

800 MOUNTAIN VIEW DRIVE
SMITHFIELD, PA 15478

CONSULTANTS

BLUE MOUNTAIN AERIAL MAPPING
11023 MASON DIXON HIGHWAY
BURTON, WEST VIRGINIA 26562
304-662-2626

START OF ACCESS ROAD TO WELL AT CAMPBELL HILL ROAD (CO 38)
LATITUDE: 39°54'28.41" N LONGITUDE: 80°41'02.38" W

WELL PIN "2"
LATITUDE: 39°54'33.514" N LONGITUDE: 80°41'31.154" W

WELL PIN "4"
LATITUDE: 39°54'33.683" N LONGITUDE: 80°41'31.020" W

WELL PIN "5"
LATITUDE: 39°54'33.581" N LONGITUDE: 80°41'30.801" W

WELL PIN "6"
LATITUDE: 39°54'33.852" N LONGITUDE: 80°41'30.887" W

WELL PIN "7"
LATITUDE: 39°54'33.750" N LONGITUDE: 80°41'30.668" W

WELL PIN "8"
LATITUDE: 39°54'34.021" N LONGITUDE: 80°41'30.754" W

WELL PIN "9"
LATITUDE: 39°54'33.919" N LONGITUDE: 80°41'30.534" W

WELL PIN "10"
LATITUDE: 39°54'34.190" N LONGITUDE: 80°41'30.621" W

WELL PIN "11"
LATITUDE: 39°54'34.088" N LONGITUDE: 80°41'30.401" W

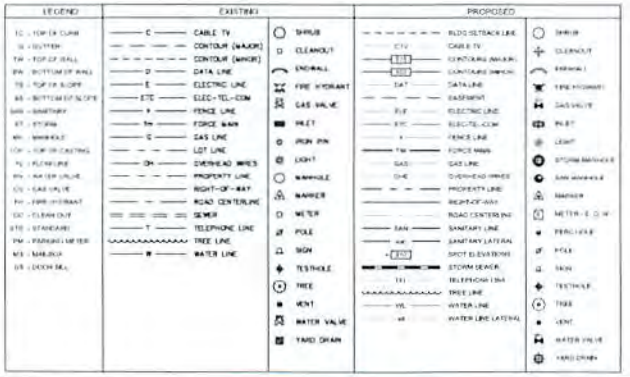
CENTER OF WELL PAD
LATITUDE: 39°54'33.13" N LONGITUDE: 80°41'30.35" W

BASED ON NAD 83 PROJECTIONS

WATERSHED NAME: UPPER OHIO SOUTH
RECEIVING STREAMS (USGS BLUE LINE): LEACH RUN AND TOM'S RUN
DISTANCE TO NEAREST USGS BLUE LINE STREAM = +/- 670 L.F.
NO ANTICIPATED WETLAND IMPACTS

811 Know what's below. Call before you dig.

SITE LOCATION MAP
USGS MOUNDSVILLE QUAD
1" = 2000'



DWG No	SHEET TITLE
CS 000	COVER SHEET
ES 050	EXISTING CONDITIONS PLAN
ES 100	OVERALL EROSION AND SEDIMENT CONTROL PLAN
ES 101	EROSION AND SEDIMENT CONTROL PLAN
ES 102	EROSION AND SEDIMENT CONTROL PLAN
ES 103	EROSION AND SEDIMENT CONTROL PLAN
ES 104	EROSION AND SEDIMENT CONTROL DETAILS
ES 105	EROSION AND SEDIMENT CONTROL DETAILS
ES 106	EROSION AND SEDIMENT CONTROL DETAILS
ES 107	EROSION AND SEDIMENT CONTROL DETAILS
ES 108	EROSION AND SEDIMENT CONTROL DETAILS
ES 109	EROSION AND SEDIMENT CONTROL DETAILS
ES 110	EROSION AND SEDIMENT CONTROL DETAILS
ES 111	CROSS SECTION PLAN A AND B
ES 112	ACCESS ROAD PLAN AND PROFILE
ES 113	ACCESS ROAD PLAN AND PROFILE
ES 114	CROSS SECTIONS
ES 115	CROSS SECTIONS
GE 500	GEOTECHNICAL SUBSURFACE SUMMARY
GE 501	CROSS-SECTIONS
GE 502	TYPICAL NOTES AND DETAILS
GE 503	RSS PLAN AND ELEVATION VIEWS
GE 504	RSS PLAN AND ELEVATION VIEWS
GE 505	RSS CROSS-SECTIONS
GE 506	RSS CROSS-SECTIONS
GE 507	RSS DETAILS
GE 508	RSS SPECIFICATIONS AND QUANTITIES
PC 600	OVERALL SITE RESTORATION PLAN
PC 601	SITE RESTORATION PLAN
PC 602	SITE RESTORATION PLAN WITH AERIAL

RINE LIMITS OF DISTURBANCE AREA (AC)	
TOTAL SITE	
ACCESS ROADS	10.0 AC
WELL PAD	7.1 AC
TOTAL AFFECTED AREA	17.1 AC
TOTAL WOODED ACRES DISTURBED	3.4 AC
IMPACTS TO OKEY L. RINE, JR.	
ACCESS ROADS	10.0 AC
WELL PAD	6.1 AC
TOTAL AFFECTED AREA	16.1 AC
TOTAL WOODED ACRES DISTURBED	2.7 AC
IMPACTS TO JODI LYNN & TERRY A. HARDING	
ACCESS ROADS	0.0 AC
WELL PAD	0.5 AC
TOTAL AFFECTED AREA	0.5 AC
TOTAL WOODED ACRES DISTURBED	0.4 AC
IMPACTS TO ROGER A. BRADY	
ACCESS ROADS	0.0 AC
WELL PAD	0.5 AC
TOTAL AFFECTED AREA	0.5 AC
TOTAL WOODED ACRES DISTURBED	0.3 AC

GATEWAY®
The Gateway Engineers, Inc.
Full-Service Civil Engineering & Surveying
Pittsburgh, PA

REVISION RECORD

Date	No.	Description
AUG. 2015	1	WELL LOCATIONS & ENTRANCE LOCATION
	2	
	3	
	4	
	5	
	6	
	7	
	8	

RINE WELL SITE
CAMPBELL HILL ROAD (CO 38), WASHINGTON DISTRICT
MARSHALL COUNTY, WV
PREPARED FOR:
CHEVRON APPALACHIA, LLC
800 MOUNTAIN VIEW DRIVE
SMITHFIELD, PA 15478

COVER SHEET

Project Number: GT-2015-0015
Drawing Scale: N.T.S.
Date Issued: JUNE 2015
Index Number: 403070
Drawn By: SMW
Checked By: BLG
Project Manager: JCW

CS 000

4705101856

THIS PLAN IS FOR EROSION AND SEDIMENT CONTROL PURPOSES ONLY

SITE LOCATION MAP
USGS MOUNDSVILLE QUAD
1" = 2000'

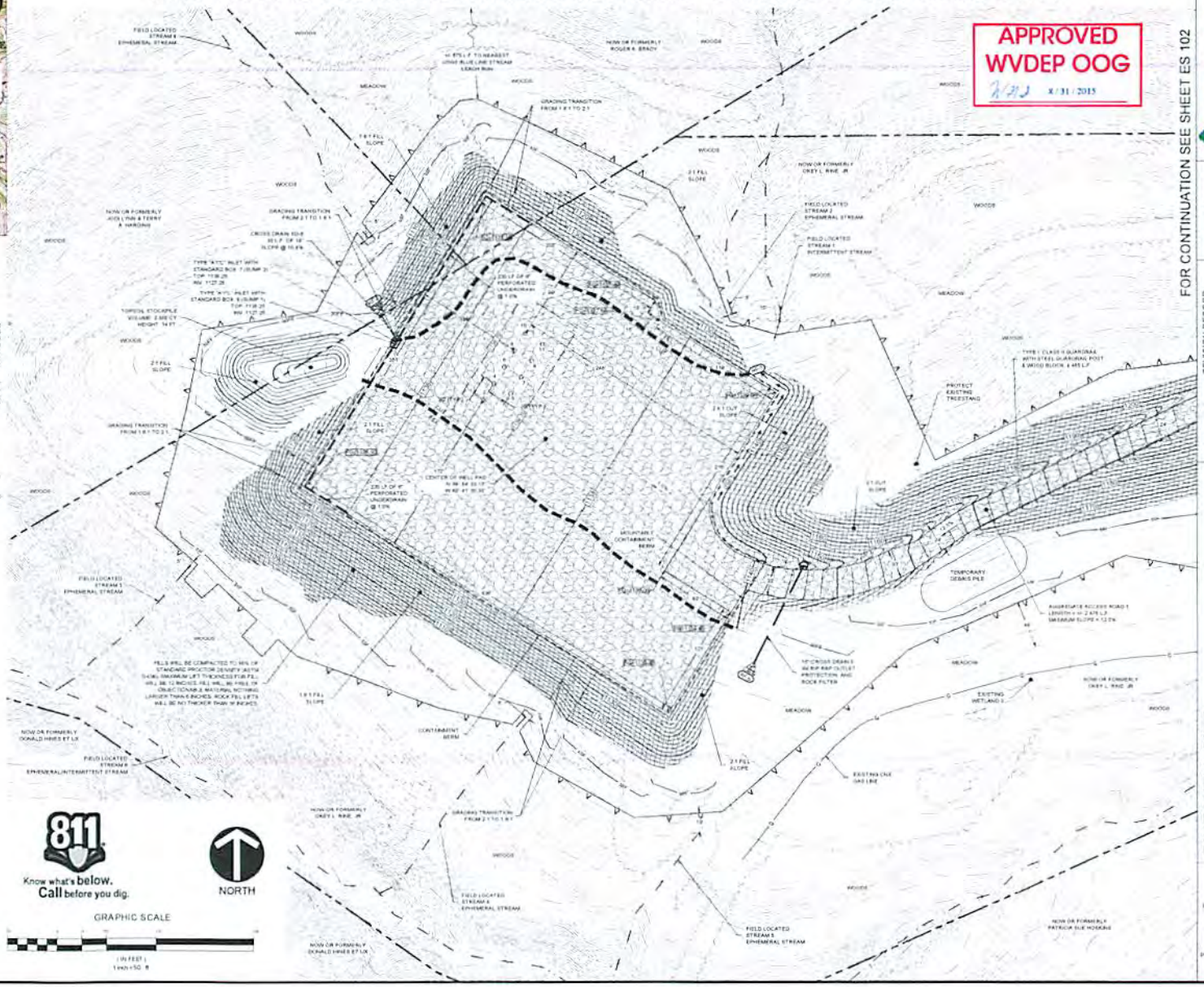
NOTES

1. THE UNDERGROUND UTILITIES SHOWN HEREON HAVE NOT BEEN PHYSICALLY LOCATED BY THE SURVEYOR. HOWEVER, THE INFORMATION WAS OBTAINED FROM EXISTING PLANS AND/OR SURFACE FACILITIES. THE GATEWAY ENGINEERS, INC. MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE GATEWAY ENGINEERS, INC. DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THEY ARE SHOWN AS ACCURATELY AS POSSIBLE FROM THE INFORMATION AVAILABLE.
2. IN THE PREPARATION OF THIS PLAN, THE CUTS AND/OR FILLS WERE SET WITHOUT KNOWLEDGE OF THE CAPABILITIES OF THE SOILS LOCATED ON THE SITE. THE GATEWAY ENGINEERS, INC. MAKES NO REPRESENTATION BY THIS PLAN OF THE STABILITY OF THE CUTS AND/OR FILLS SHOWN. ADJUSTMENTS TO PROPOSED CUT AND FILL SLOPES MAY BE REQUIRED BASED ON SUBSURFACE CONDITIONS AND/OR MATERIAL ENCOUNTERED.
3. GRADE ALL CHANNELS TO PROVIDE POSITIVE FLOW TO OUTFALL.
4. WELL AND ACCESS ROAD LOCATION PROVIDED BY BLUE MOUNTAIN AERIAL MAPPING.
5. SURROUNDING TOPOGRAPHICAL DATA PROVIDED BY BLUE MOUNTAIN AERIAL MAPPING.
6. ENVIRONMENTAL SCREENING PERFORMED ON 2014-09-09 AND 2014-07-10.
7. THERE ARE NO SCHOOLS OR PUBLIC BUILDINGS WITHIN A 1 MILE OF THE LIMITS OF DISTURBANCE.
8. NO DISCHARGE FROM THE WELL PAD WILL BE PERMITTED DURING DRILLING AND COMPLETION OR ANY TIME THAT THE DRILL RIG IS ON SITE.

DISTURBED AREA = 17.1 ACRES

LEGEND

- STREAM LINE
- GAS LINE
- FOR RIVERS WIRE
- CONTOURS (MAJOR)
- CONTOURS (MINOR)
- GAS LINE RIGHT-OF-WAY
- PROPERTY LINE
- TREE LINE
- CONTOURS (MAJOR)
- CONTOURS (MINOR)
- LIMITS OF DISTURBANCE
- CONTAINMENT BERM
- SLIPER SILT FENCE
- 30" FABRIC FILTER FENCE
- TAMPERAN
- CONSTRUCTION FENCE
- CULVERT/CROSS DRAIN
- DIVERSION DITCH
- PROPOSED POLE
- PROPOSED WELL HEAD
- GUY WIRE
- EXISTING WELL
- ROCK FILTER
- FILLET WITH SILT FENCE FROM WELL PROTECTION
- TURNOUT
- CAD-1 CUT SLOPE DITCH
- ACCESS ROAD CUT DITCH
- STONE CONSTRUCTION ENTRANCE
- HYDROSEED



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The Gateway Engineers, Inc.
Full-Service Civil Engineering & Surveying
Pittsburgh, PA

REVISION RECORD

Date	No.	REVISION DESCRIPTION
AUG. 2015	01	REVISED PER DEP COMMENTS
	02	
	03	
	04	
	05	
	06	
	07	
	08	

RINE WELL SITE
CAMPBELL HILL ROAD (CO 38), WASHINGTON DISTRICT
MARSHALL COUNTY, WV
PREPARED FOR
CHEVRON APPALACHIA, LLC
800 MOUNTAIN VIEW DRIVE
SMITHFIELD, PA 15478

EROSION AND SEDIMENT CONTROL PLAN

Project Number C.17544-0418
Drawing Scale 1" = 50'
Date Issued JUNE 2015
Index Number 403070
Drawn By BMW
Checked By BLG
Project Manager JCW

ES 103

051-01856

L SITE

AND SITE RESTORATION PLAN

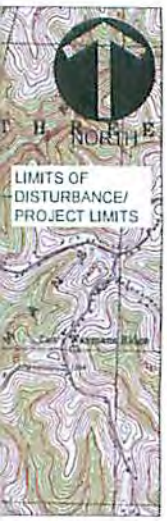
/ASHINGTON DISTRICT

TY, WV

ACHIA, LLC

W DRIVE

15478



AP

QUAD

DWG No.	SHEET TITLE	INCLUDED
CS 000	COVER SHEET	☒
ES 050	EXISTING CONDITIONS PLAN	☒
ES 100	OVERALL EROSION AND SEDIMENT CONTROL PLAN	☒
ES 101	EROSION AND SEDIMENT CONTROL PLAN	☒
ES 102	EROSION AND SEDIMENT CONTROL PLAN	☒
ES 103	EROSION AND SEDIMENT CONTROL PLAN	☒
ES 104	EROSION AND SEDIMENT CONTROL DETAILS	☒
ES 105	EROSION AND SEDIMENT CONTROL DETAILS	☒
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ES 112	ACCESS ROAD PLAN AND PROFILE	☒
ES 113	ACCESS ROAD PLAN AND PROFILE	☒
ES 114	CROSS SECTIONS	☒
ES 115	CROSS SECTIONS	☒
PC 600	OVERALL SITE RESTORATION PLAN	☒
PC 601	SITE RESTORATION PLAN	☒
PC 602	SITE RESTORATION PLAN WITH AERIAL	☒
		☐
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		☐
		☐
		☐

RECEIVED
Office of Oil and Ga
JUL 0 1 2015
WV

JN 6/27/15

PROPOSED			
	BLDG SETBACK LINE		SHRUB
CTV	CABLE TV		CLEANOUT
910	CONTOURS (MAJOR)		ENDWALL
903	CONTOURS (MINOR)		FIRE HYDRANT
DAT	DATA LINE		GAS VALVE
	EASEMENT		INLET
ELE	ELECTRIC LINE		LIGHT
ETC	ELEC-TEL-COM		STORM MANHOLE
X	FENCE LINE		SAN MANHOLE
FM	FORCE MAIN		MARKER
GAS	GAS LINE		METER - E. G. W
OHE	OVERHEAD WIRES		PERC HOLE
	PROPERTY LINE		POLE
	RIGHT-OF-WAY		SIGN
	ROAD CENTERLINE		TESTHOLE
SAN	SANITARY LINE		TREE
	SANITARY LATERAL		VENT
910	SPOT ELEVATIONS		WATER VALVE
	STORM SEWER		YARD DRAIN
TEL	TELEPHONE LINE		
	TREE LINE		
WL	WATER LINE		
	WATER LINE LATERAL		

RINE LIMITS OF DISTURBANCE AREA (AC)	
TOTAL SITE	
ACCESS ROADS	10.0 AC
WELL PAD	7.1 AC
TOTAL AFFECTED AREA	17.1 AC
TOTAL WOODED ACRES DISTURBED	3.4 AC
IMPACTS TO OKEY L. RINE, JR.	
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IMPACTS TO ROGER A. BRADY	
ACCESS ROADS	0.0 AC
WELL PAD	0.5 AC
TOTAL AFFECTED AREA	0.5 AC
TOTAL WOODED ACRES DISTURBED	0.3 AC

GATEWAY®
The Gateway Engineers, Inc.
Full-Service Civil Engineering & Surveying
Pittsburgh, PA
gatewayengineers.com
855-634-9284

JUSTIN C. WAGNER
REGISTERED
20147
STATE OF WEST VIRGINIA
PROFESSIONAL ENGINEER

REVISION RECORD

Date	No	
-	01	-
-	02	-
-	03	-
-	04	-
-	05	-
-	06	-
-	07	-
-	08	-

RINE WELL SITE
CAMPBELL HILL ROAD (CO 38), WASHINGTON DISTRICT
MARSHALL COUNTY, WV

PREPARED FOR:
CHEVRON APPALACHIA, LLC
800 MOUNTAIN VIEW DRIVE
SMITHFIELD, PA 15478

COVER SHEET

Project Number: C-17544-0418
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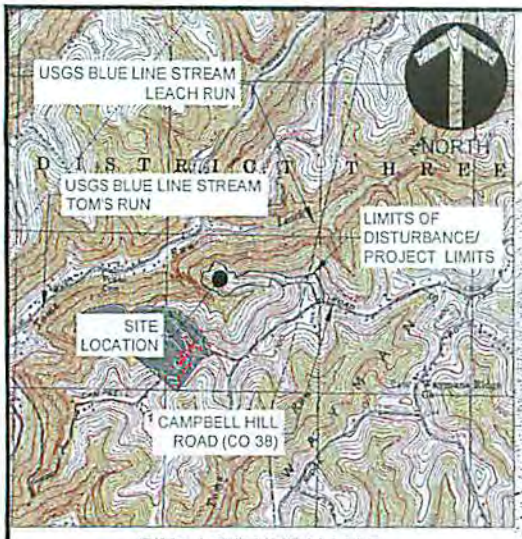


SITE LOCATION MAP
USGS MOUNSVILLE QUAD
1" = 2000'

NOTES:

1. THE UNDERGROUND UTILITIES SHOWN HEREON HAVE NOT BEEN PHYSICALLY LOCATED BY THE SURVEYOR, HOWEVER, THE INFORMATION WAS OBTAINED FROM EXISTING PLANS AND/OR SURFACE FACILITIES. THE GATEWAY ENGINEERS, INC. MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE GATEWAY ENGINEERS, INC. DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THEY ARE SHOWN AS ACCURATELY AS POSSIBLE FROM THE INFORMATION AVAILABLE.
2. SURROUNDING TOPOGRAPHICAL DATA PROVIDED BY BLUE MOUNTAIN AERIAL MAPPING.

LEGEND	
	STREAM LINE
	GAS LINE
	OVERHEAD WIRE
	CONTOURS (MAJOR)
	CONTOURS (MINOR)
	GAS LINE RIGHT-OF-WAY
	PROPERTY LINE
	TREE LINE
	GUY WIRE
	EXISTING WELL

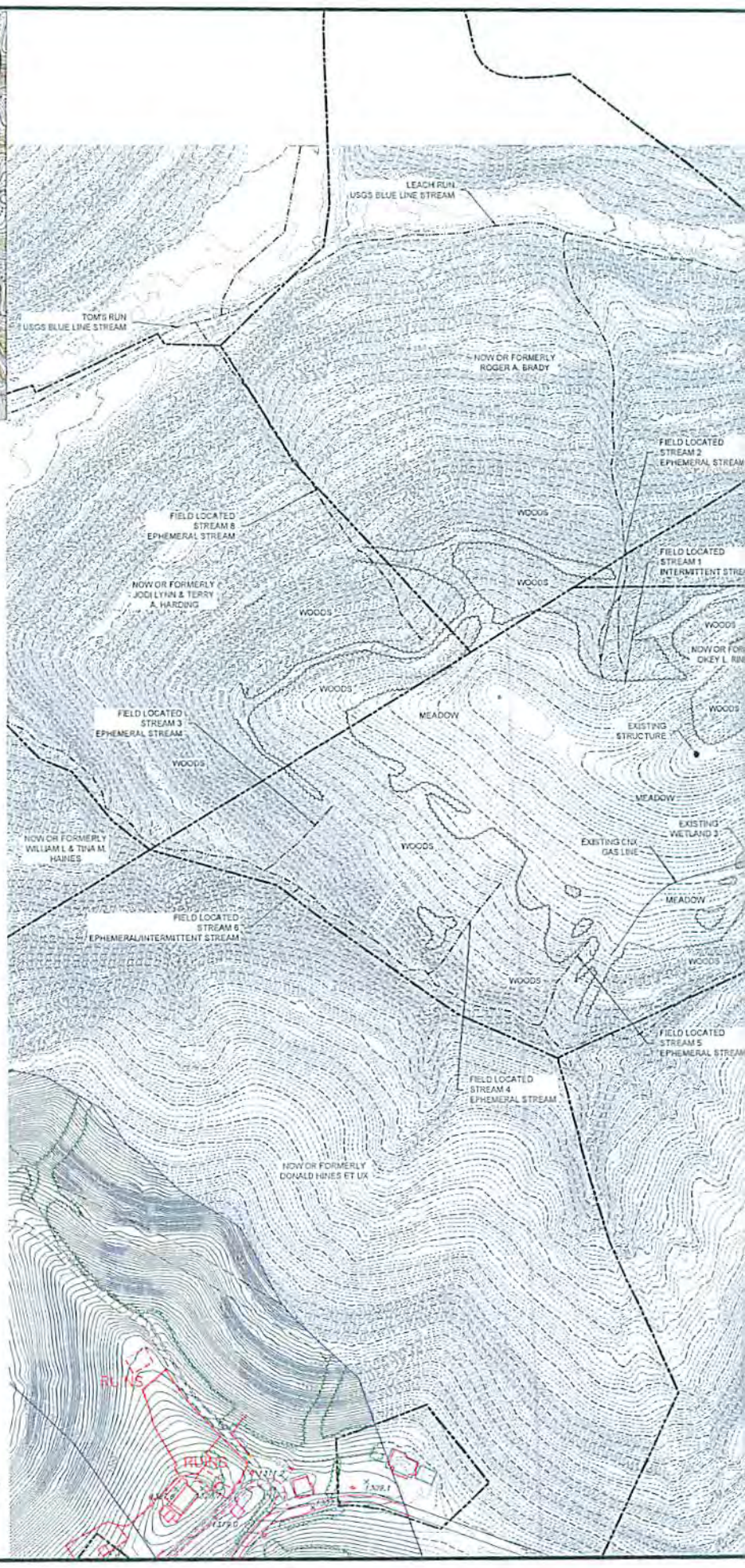
811
Know what's **below.**
Call before you dig.

NORTH

GRAPHIC SCALE

150 0 75 150 300 600

(IN FEET)
1 inch = 150 ft.



Path & Filename=G:\Projects\17000\17544 Atlas Energy\0418 Rine Wells\Dwg\02-Sheet\ES 050 EXISTING CONDITIONS PLAN.dwg
Plot Date=5/7/2015 2:02 PM Joshua M. Scanlon, E.I.T. Save Date=4/14/2015 3:10 PM
14.02

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PROFESSIONAL ENGINEER
20147
STATE OF
WEST VIRGINIA

REVISION RECORD

No	Date
01	-
02	-
03	-
04	-
05	-
06	-
07	-
08	-

RNE WELL SITE
CAMPBELL HILL ROAD (CO 38), WASHINGTON DISTRICT
MARSHALL COUNTY, WV
PREPARED FOR:
CHEVRON APPALACHIA, LLC
800 MOUNTAIN VIEW DRIVE
SMITHFIELD, PA 15478

EXISTING CONDITIONS PLAN

Project Number: C-17544-0418
Drawing Scale: 1" = 150'
Date Issued: APRIL 2015
Index Number: 405070
Drawn By: BMW
Checked By: BLG
Project Manager: JCW

ES 050

6/12/15