



west virginia department of environmental protection

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

Austin Caperton, Cabinet Secretary
www.dep.wv.gov

Thursday, July 11, 2019
WELL WORK PERMIT
Horizontal 6A / New Drill

CHEVRON APPALACHIA, LLC
700 CHERRINGTON PARKWAY

CORAOPOLIS, PA 15108

Re: Permit approval for MASON M09H
47-051-02237-00-00

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

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

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

James A. Martin
Chief

Operator's Well Number: MASON M09H
Farm Name: CNX LAND RESOURCES INC
U.S. WELL NUMBER: 47-051-02237-00-00
Horizontal 6A New Drill
Date Issued: 7/11/2019

PERMIT CONDITIONS

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

CONDITIONS

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

PERMIT CONDITIONS

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

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

1) Well Operator: Chevron Appalachia, LLC 494499935 Marshall Franklin Glen Easton, WV
Operator ID County District Quadrangle

2) Operator's Well Number: M09H Well Pad Name: Mason

3) Farm Name/Surface Owner: Mason Public Road Access: CR 21 Cecil Ridge Road

4) Elevation, current ground: 1270' Elevation, proposed post-construction: 1240.61'

5) Well Type (a) Gas Oil _____ Underground Storage _____
Other _____

(b) If Gas Shallow Deep _____
Horizontal _____

*gm
5/14/19*

6) Existing Pad: Yes or No No

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Marcellus, 6,560 ft below GL. 50 ft thick and anticipate pore pressure gradient to be 0.64 psi/ft

8) Proposed Total Vertical Depth: 6,560

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 12,764

11) Proposed Horizontal Leg Length: 5,740

12) Approximate Fresh Water Strata Depths: 620 ft below GL

13) Method to Determine Fresh Water Depths: Deepest water well TD in the area. TD then corrected with structure/bedding dips to be inline with Mason wells

14) Approximate Saltwater Depths: 1415 ft, 1656 ft, 1856 ft, 1988 ft, 2033 ft, and 2300 ft below GL

15) Approximate Coal Seam Depths: Washington Coal: 470'; Waynesburgh A: 540'; Waynesburgh Coal: 590'; Sewickley Coal: 780'; Redstone Coal: 840'; Pittsburgh Coal: 870'

16) Approximate Depth to Possible Void (coal mine, karst, other): No Void anticipated - drilling through coal pillar

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

(a) If Yes, provide Mine Info: Name: Murray Energy Corp.
Depth: The pillar is located within a sealed room and pillar district of Marshall County Mine.
Seam: This sealed district is still connected to Murray Energy's active longwall portion in the same mine.
Owner: Coal Seam - Pittsburgh Coal top: 870' below GL. Murray Energy is the Operator of the Marshall County Mine

RECEIVED
Office of Oil and Gas
JUN - 7 2019
WV Department of
Environmental Protection

18) **CASING AND TUBING PROGRAM**

TYPE	<u>Size (in)</u>	<u>New or Used</u>	<u>Grade</u>	<u>Weight per ft. (lb/ft)</u>	<u>FOOTAGE: For Drilling (ft)</u>	<u>INTERVALS: Left in Well (ft)</u>	<u>CEMENT: Fill-up (Cu. Ft.)/CTS</u>
Conductor	20	New	X-52	78.67	60	60	CTS
Fresh Water	13.375	New	J-55	54.5	670	670	CTS
Coal							
Intermediate	9.625	New	L-80	40	2,350	2,350	CTS
Production	5.50	New	P110	20	12,764	12,764	2,358 (500' below 9.625" shoe)
Tubing							
Liners							

Handwritten signature
6/14/19

TYPE	<u>Size (in)</u>	<u>Wellbore Diameter (in)</u>	<u>Wall Thickness (in)</u>	<u>Burst Pressure (psi)</u>	<u>Anticipated Max. Internal Pressure (psi)</u>	<u>Cement Type</u>	<u>Cement Yield (cu. ft./k)</u>
Conductor	20	30	0.375				
Fresh Water	13.375	17.5	0.38	2,730	1,911	Class A	1.2
Coal							
Intermediate	9.625	12.375 & 12.25	0.395	5,750	2,768	Class A	1.19
Production	5.5	8.75 & 8.5	0.361	14,360	9,975	Class A, G, or H	1.25
Tubing							
Liners							

PACKERS

Kind:				
Sizes:				
Depths Set:				

RECEIVED
Office of Oil and Gas
JUN - 7 2019
WV Department of
Environmental Protection

JM
5/14/19

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

Drill vertical depth to the Marcellus. Drill horizontal leg.

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

9525 bbl fluid - 400,000 lbm sand/stage - 9,400 anticipated max psi - 100 bpm anticipated max rate

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 21.5

22) Area to be disturbed for well pad only, less access road (acres): 13.4

23) Describe centralizer placement for each casing string:

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

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

For the Water String the blend will contain class A cement, 3% CaCl₂, and flake. The intermediate will contain class A cement, 3% CaCl₂, and flake. The Production cement will have a lead and tail cement. The lead will contain class A, G, or H cement, KCl, dispersant, suspension agent, and retarder. The tail will contain class A, G, or H cement, Calcium Carbonate, KCl, dispersant, de-foamer, suspension agent, and friction reducer.

25) Proposed borehole conditioning procedures:

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

RECEIVED
Office of Oil and Gas
JUN - 7 2019
WV Department of
Environmental Protection

*Note: Attach additional sheets as needed.

Cement Additives

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

The intermediate will contain class A cement, 10% CaCl₂, Salt, and flake.

The Production cement will have a lead and tail cement.

The lead will contain class A, G, or H cement, KCl, dispersant, suspension agent, and retarder.

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

RECEIVED
Office of Oil and Gas
JUN - 7 2019
WV Department of
Environmental Protection



Mason M09H

Clay Twp, Marshall Co, WV

Ground Level Elev. (ft above SL): 1,240
 Depth Meas. # air KB (ft above GL): 24

DRILLING FLUID / BIT TYPE / TFA	CENTRALIZER PROGRAM	CASING SIZE / FORMATION	DEPTH		WELLHEAD DESIGN FMC UH-S 13-5/8"	HOLE SIZE (IN)	Hole Depth (FT)	CASING SPECS	CEMENT PROGRAM
			MD (FT)	TVD (FT)					
Core Barrel / Auger	2 Bowspring per Jt	20" Conductor	40	40		26-36	40	Conductor 20" 78.67# X-52 Minimum 40 ft from GL or at least 10 ft into bedrock	Grout to Surface
	Bow Spring: (1) on shoe track w/ stop collar & (1) per 2 jts over coupling to surface	Est. Frac Gradient 14.5 ppg Gas Gradient 0.1 psi/ft Est. Pore Pres. Grad. 0.338 psi/ft Est. BHT deg. F 13-3/8" Casing	670	78 670		17.5	695	Surface Casing 13-3/8" 54.5# J-55 BTC 0.380" Wall Coupling OD (in) 14.375 ID (in) 12.615 Drift ID (in) 12.459 Burst (psi) 2,730 Collapse (psi) 1,130 Yield (Jt Strength 1,000 lbs) 853 MASP (Psi) 438	Surface Blend (Class A) Cement to Surface
	Bow Spring: (1) on shoe track w/ stop collar & (1) per 3 jts over coupling	Est. BHT deg. F 9-5/8" Casing	2,350	96 2,350		12.375 - 12.25	2,380	Intermediate Casing 9-5/8" 40#L-80IC BTC 0.395" Wall Coupling OD (in) 10.625 ID (in) 8.835 Drift ID (in) 8.679 Burst (psi) 5,750 Collapse (psi) 3,870 Yield (Jt Strength 1,000 lbs) 916	Intermediate II Blend (Class A) Cement to Surface
	Bow Spring: (1) per every other jt over coupling SpiraGlider or Centek: (1) per jt of csg to KOP							Production Casing 5-1/2" 20# P-110, 0.361" Wall Coupling OD (in) 6.300 ID (in) 4.778 Drift ID (in) 4.653 Burst (psi) 14,360 Collapse (psi) 12,090 Yield (Jt Strength 1,000 lbs) 729	Production Lead Slurry Cement to 500' below 9-5/8" shoe
Non-Conservation	Float Equip. (2) Jts of Csg	5-1/2" Casing	12,764	6,560		8.75 - 8.5	12,764		

RECEIVED
 Office of Oil and Gas
 JUN - 7 2019
 WV Department of
 Environmental Protection
Production Tail Slurry
 TOC minimum 200' above Marcellus

Handwritten signature
 5/14/19

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 494499935

Watershed (HUC 10) Fish Creek Quadrangle Glen Easton, WV 7.5'

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 _____ at next anticipated well _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain _____)

Will closed loop system be used? If so, describe: Yes, we will be utilizing multiple open/closed top tanks

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

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

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

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

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

-Landfill or offsite name/permit number? _____

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.

Company Official Signature [Signature]
Company Official (Typed Name) Branden Weimer
Company Official Title Senior Permitting Advisor

RECEIVED
Office of Oil and Gas
JUN - 7 2019

WV Department of
Environmental Protection

Subscribed and sworn before me this 4th day of June, 2019 Commonwealth of Pennsylvania
Laura Savage County of Allegheny

Notary Public

My commission expires September 17, 2022

Commonwealth of Pennsylvania - Notary Seal
Laura Savage, Notary Public
Allegheny County
My commission expires September 17, 2022
Commission number 1285773
Member, Pennsylvania Association of Notaries

Chevron Appalachia, LLC

Proposed Revegetation Treatment: Acres Disturbed 21.5 Prevegetation pH _____

Lime 3 tons/acre Tons/acre or to correct to pH _____

Fertilizer type 10-20-20

Fertilizer amount 300 lb/acre lbs/acre

Mulch 3 tons/acre to 5 tons/acre in winter Tons/acre

Seed Mixtures

Temporary

Permanent

Seed Type lbs/acre

Seed Type lbs/acre

Annual Ryegrass 50 lb/acre

See Attached

Winter Wheat 75 lb/acre or 90 lb/acre

Cereal Ryegrass 50 lb/acre

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, include dimensions (L x W x D) of the pit, and dimensions (L x W), and area in acreage, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: _____

Jim Schubert

Comments: _____

Title: Oil & Gas Inspector

Date: 5/14/19

Field Reviewed? () Yes () No

RECEIVED
Office of Oil and Gas

JUN - 7 2019

WV Department of
Environmental Protection

Seed Mixtures

Permanent

Seed Type
Non Agricultural Upland
Tall Fescue
Perennial Ryegrass
Ladino Clover
Birdsfoot - Trefoil
Red Top

Permanent

lbs/acre	Seed Type
175lb/ac. and	Hayfield, Pastureland, and Cropland
57%	Orchard Grass
19%	Timothy
10%	Birdsfoot - Trefoil
10%	Ladino Clover
4%	

lbs/acre
200lb/ac
40%
40%
10%
10%

RECEIVED
Office of Oil and Gas
JUN - 7 2019
WV Department of
Environmental Protection



Chevron

**Appalachian LLC
WV Well Site Safety Plan**

Pad: Mason Pad A

*ju
5/14/19*

Well # M09H

**1236 Cecil Ridge Rd
Proctor, WV 26055
Washington District
Marshall County, WV**

Access Point – [39.8239899°N, 80.7397199 °W]

Well Site – [39.8215019°N, 80.7400305°W]

Marshall County, West Virginia

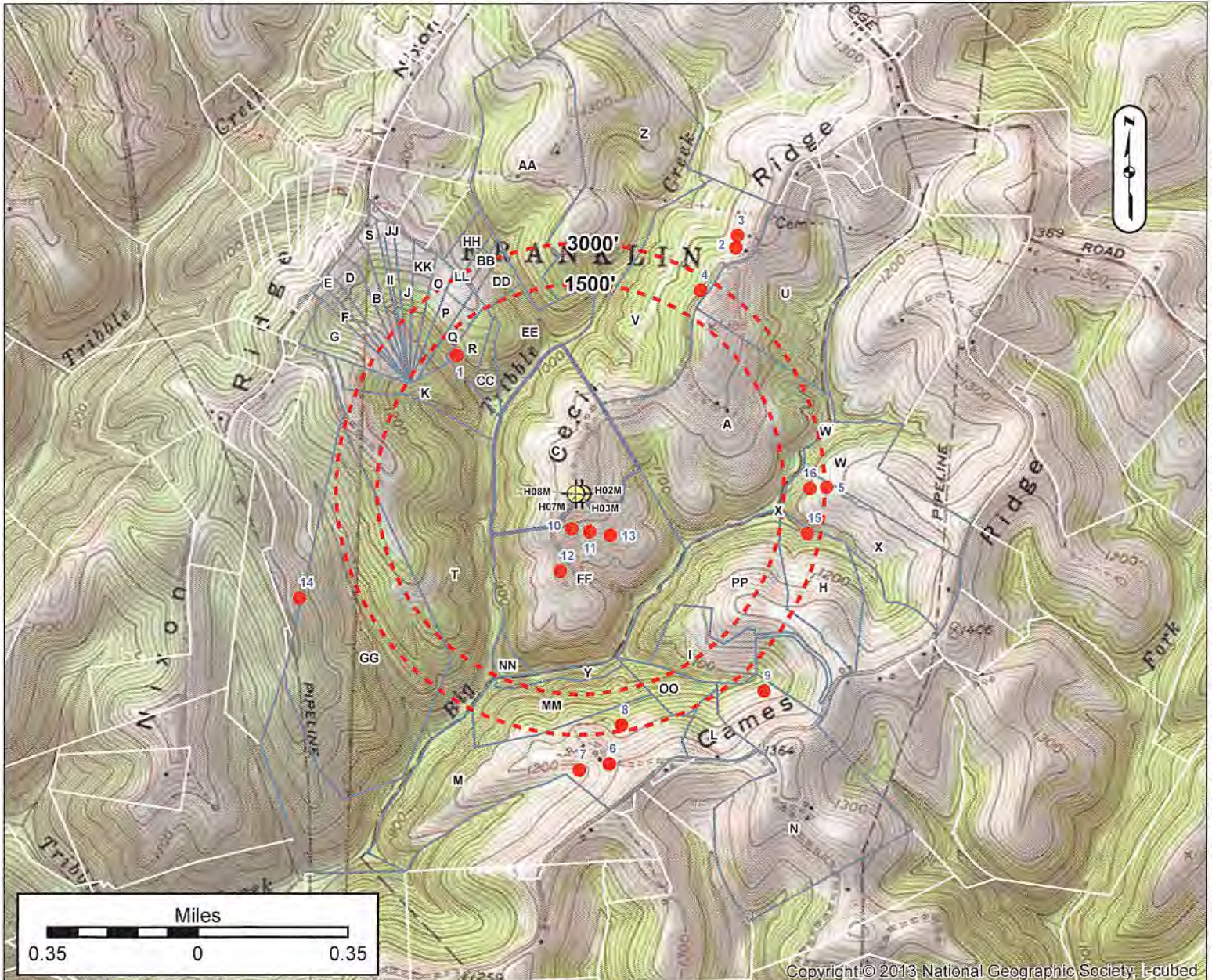
RECEIVED
Office of Oil and Gas
JUN - 7 2019
WV Department of
Environmental Protection

Contents

Marshall County, West Virginia	1
1. Contacts and Meetings	3
Emergency Points of Contact	3
Pre-Spud and Safety Meeting Plan	4
2. Maps and Diagrams	4
Plan View of Well Location	4
Topographic Map of Well Location	4
Evacuation and Notification Plan	4
3. Well Work	5
Well Work Description	5
Site Safety Plan (SSP) Distribution	5
4. Chemical Inventory	5
Safety Data Sheet (SDS) Availability and Location	5
Drilling Fluid Materials Inventory	5
5. Well Control	5
BOP Equipment by Hole Section	5
BOP Testing	5
BOP Equipment and Assembly Installation Schedule	6
Well Control Certification and Methodology	6
BOP Equipment Diagram	6
Wellhead Schematic	6
Recording and Reporting of Significant Events	6
6. Hydrogen Sulfide (H ₂ S)	6
Detection, Monitoring and Warning Equipment	6
Notification and Protection Zones	7
H ₂ S Contingency Plan	7
7. Flaring	7
8. Collision Avoidance	7
9. Deep Well Additional Requirements	9
Geoprog	9
Casing and Cement	9
Flaring Activities	9
Emergency Notification List (1 Mile Radius)	9
10. Deep Vertical Well Requirements	10
11. Appendices	10
1. Plan View Map of Location and Topographic Map	11
2. Emergency Notification List (1 Mile Radius)	13
3. Geoprog	19
4. Well Bore Diagram	20
5. Casing and Cementing Information	21
6. BOP Schematic	22
7. Wellhead Assembly	24
8. Plot	25



WATER SUPPLY EXHIBIT MASON PAD A



Copyright © 2013 National Geographic Society, Inc.

LOT OWNERS

LABEL	OWNER	TM	LABEL	OWNER	TM	LABEL	OWNER	TM	LABEL	OWNER	TM
A	CONSOL ENERGY	25-05 4000500000000	L	HERRNBERGER GRANT	25-09 4001300000000	W	KEENER DANNY L & LISA M	25-09 4000700010000	HH	PARKER JOHN T ET UX	25-05 4002300000000
B	WEST STEVEN E & JACQUELINE D	25-05 4002700000000	M	LYONS SCOTTIE K ET UX	25-09 4000300000000	X	WAYT RICHARD L JR & LISA M	25-09 4000700000000	II	MCCLINTOCK WILLIAM	25-05 4007800000000
C	CONSOL ENERGY	25-05 4000700000000	N	MASON BARBARA A & RONALD D	25-09 4001200000000	Y	CONSOL ENERGY	25-09 4000400010000	JJ	MCCLINTOCK WILLIAM E & TERRY	25-05 4003700000000
D	FRIEND PATRICIA	25-05 4003300000000	O	BLAKE DENNIS	25-05 4004100000000	Z	HILL DAVID P & LARRY E	25-05 3002300000000	KK	BELL CARL L ET UX	25-05 4003800000000
E	FRIEND PATRICIA	25-05 4003100000000	P	BLAKE DENNIS	25-05 4004200000000	AA	MAYNARD DOUGLAS & RUTH EVELYN	25-05 3002400000000	LL	UNKNOWN	25-05 4003900000000
F	YOHIO GARY W ET UX	25-05 4002600000000	Q	BLAKE DENNIS	25-05 4003500000000	BB	LUCAS DONALD H & PEGGY A ET AL	25-05 4000300070000	MM	LYONS SCOTTIE K ET UX	25-09 4000400000000
G	BLAKE DENNIS	25-05 4000300040000	R	BLAKE RICHARD SR ET UX	25-05 4000300100000	CC	BLAKE RICHARD SR ET UX	25-05 4000300110000	NN	CONSOL ENERGY	25-09 4000400020000
H	GATTS RALPH A SR & BONNIE J	25-09 4000600200000	S	CONKLE BRENT A	25-05 4004300000000	DD	BLAKE ROBERT	25-05 4000300120000	OO	LYONS SCOTTIE K ET UX	25-09 4000500000000
I	CONSOL ENERGY	25-09 4000600010000	T	HALL RICKY D & PEGGY A	25-05 4000800000000	EE	SOUTHERN COUNTRY FARMS INC	25-05 4000300130000	PP	GATTS RALPH ET UX	25-09 4000600000000
J	SUMMERS JAYSON W & LISA M	25-05 4002000000000	U	CUNNINGHAM BRENT C ET UX	25-05 3002200000000	FF	MASON DONNA	25-05 4000600000000			
K	HALL RICKY D & PEGGY A	25-05 4000800020000	V	CUNNINGHAM GLENN L ET UX	25-05 4000400000000	GG	OSTRANDER PAUL E & LINDA S	25-05 4000800010000			

Surface Owner: CNX LAND RESOURCES INC

Oil/Gas Owner: JEFFREY S. HOLMES ET UX

Well Operator: CHEVRON APPALACHIA, LLC

Address: 700 CHERRINGTON PARKWAY
CORAOPOLIS, PA 15108

Phone: 412-865-3113

County: MARSHALL

Township: MOUNDSVILLE

Surveyor: GROUNDWATER & ENVIRONMENTAL SERVICES, IN

Address: 301 COMMERCE PARK DR
CRANBERRY TOWNSHIP, PA 16066

Phone: 800-267-2549

NOTICE: THE INTENT OF THIS EXHIBIT IS TO IDENTIFY EXISTING WATER SUPPLIES IN THE VICINITY OF A PROPOSED GAS WELL, AND IS NOT A COMPLETE BOUNDARY SURVEY. PROPERTY LINES AND OWNER INFORMATION WERE OBTAINED FROM DEEDS, TAX RECORDS, AERIAL PHOTOGRAPHY, GIS, AND FIELD SURVEYED EVIDENCE.

L:\Projects\Chevron\EP\GIS\Water_Supply_Mason_Pad_A_WaterSupplyExhibit_REV1.mxd - Scale 1:22,176 - 1/23/2013 9:40:16 AM - GSTewart - WAD 1983 StatePlane Pennsylvania South FIPS 3702 Feet

BHL is located on topo map 9,361 feet south of Latitude: 39° 50' 00"
 SHL is located on topo map 4,362 feet south of Latitude: 39° 50' 00"

SEE PAGE 2 FOR SURFACE OWNERS AND LESSORS

NOTES:

1. There are no water wells or developed springs within 250' of proposed well.
2. Proposed well is greater than 100' from perennial stream, wetland, pond, reservoir or lake.
3. There are no native trout streams within 300' of proposed well.
4. Proposed well is greater than 1000' from surface groundwater intake or public water supply.
5. 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.
6. There are no existing buildings within 625' of proposed well.

LEGEND

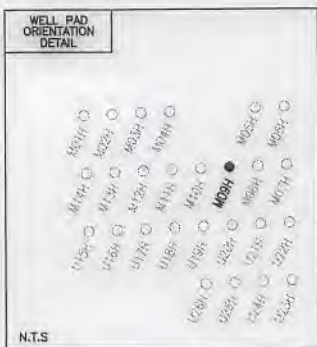
- TOPO MAP POINT
 - WELL
 - ALL ARE POINTS UNLESS OTHERWISE NOTED.
 - MINERAL TRACT BOUNDARY
 - PARCEL LINES
 - WELL REFERENCE
 - PROPOSED HORIZONTAL WELL
 - ROAD
 - STREAM CENTER LINE
 - LESSORS
 - SURFACE OWNERS
- GAS WELLS**
- EXISTING WELLS
 - PLUGGED WELLS
 - ABANDONED WELLS

SURFACE HOLE LOCATION (SHL)
 UTM 17-NAD83(M)
 N:4407962.535
 E:522242.560
 NAD83, WV NORTH
 N:483685.234
 E:1620195.396

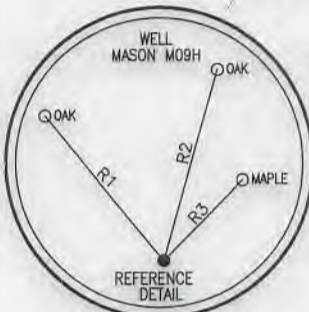
APPROX. LANDING POINT
 UTM 17-NAD83(M)
 N:4407847.96
 E:522592.39
 NAD83, WV NORTH
 N:483290.060
 E:1621337.070

BOTTOM HOLE LOCATION (BHL)
 UTM 17-NAD83(M)
 N:4406443.44
 E:523634.58
 NAD83, WV NORTH
 N:478624.000
 E:1624680.000

LINE	BEARING	DISTANCE
R1	N 39°44'27" W	242.59'
R2	N 15°50'38" E	256.68'
R3	N 44°39'10" E	146.61'
R4	N 09°59'52" W	1701.54'
R5	S 14°42'37" W	2301.43'
R6	S 12°46'01" E	2056.60'



BHL is located on topo map 4,371 feet west of Longitude: 80° 42' 30"
 SHL is located on topo map 8,923 feet west of Longitude: 80° 42' 30"

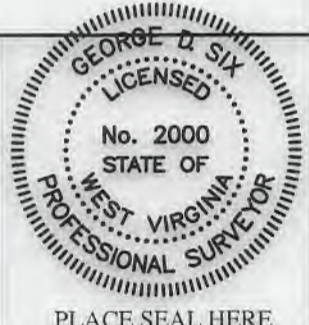


Blue Mountain
 11023 MASON DIXON HIGHWAY
 BURTON, WV 26562
 PHONE: (304) 662-6486

FILE #: MASON M09H
 DRAWING #: MASON M09H
 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: George D. Six
 R.P.E.: _____ L.L.S.: P.S. No. 2000



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

DATE: FEBRUARY 13, 2019
 OPERATOR'S WELL #: MASON M09H
 API WELL #: 47 51 02237H6A
 STATE COUNTY PERMIT

Well Type: Oil Waste Disposal Production Deep Gas Liquid Injection Storage Shallow
 WATERSHED: FISH CREEK ELEVATION: 1,270.12'
 COUNTY/DISTRICT: MARSHALL / FRANKLIN QUADRANGLE: GLEN EASTON, WV 7.5'
 SURFACE OWNER: CNX LAND RESOURCES INC ACREAGE: 60.00±
 OIL & GAS ROYALTY OWNER: JEFFREY S. HOLMES ET UX ACREAGE: 636.321±
 DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE
 (SPECIFY): _____
 TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TVD: 6,560'± TMD: 12,763.58'±
 WELL OPERATOR CHEVRON APPALACHIA, LLC DESIGNATED AGENT KENNETH E. TAWNEY
 Address 700 CHERRINGTON PARKWAY Address 500 LEE STREET, EAST SUITE 1600
 City CORAOPOLIS State PA Zip Code 15108 City CHARLESTON State WV Zip Code 25301-3202

MASON M09H PAGE 2 OF 2

	SURFACE OWNER	DIST-TM/PAR
1	CNX LAND RESOURCES INC	5-4/7
2	DONNA J. MASON ET AL	5-4/6
3	CNX LAND RESOURCES INC	5-4/5
4	RALPH GATTS - TOD	9-4/6
5	CONSOLIDATION COAL COMPANY/MURRAY ENERGY C/O LAND DEPT	9-4/6.1
6	RONALD KEITH & RUBY MARIE MASON	9-4/12
7	*HOWARD A. & SHARON BLAKE - TOD	9-4/11
8	ELAINE HENDERSON	9-4/18
9	RONALD D. MASON ET UX	9-6/5

	LESSORS	DIST-TM/PAR
A	JEFFREY S. HOLMES ET UX	5-4/7
B	DONNA J. MASON	5-4/6
	JAY SADOSKI	
	SANDRA KNOX	
	JOHN SADOSKY	
	PAUL SADOSKY	
	GEORGE SADOSKY	
	SUZETTE KAHOOHANOHANO	
	BEVERLY LUANA GOMES	
	MAUDREY ENGLISH	
C	JEFFREY D. CRAMER ET UX	5-4/5
	DAVID ANTHONY HAMMEL SR.	
	DANIEL JOSEPH HAMMEL	
	JAMES ROBERT EVANS SR.	
	HEATHER NICOLE EVANS	
	ANDREA EVANS HORTON	
	TIMOTHY P. EVANS	
	MARY CATHERINE HOOD	
	DELORES J. MYERS	
	JANET F. HIGGINS	
	JOHN G. CALVERT	
	ELIZABETH S. HUDSON	
	GERARD CLINTON OLIVER	
	GERARD C. OLIVER	
	JAMES A. OLIVER	
	JOSEPH W. OLIVER	
	JOHN D. OLIVER	
	BECKY OLIVER	
	DAVID LEE MARTIN	
	GERALD WAYNE MARTIN ET UX	
	JUDITH PEARCE	
	MARTIE JO MARTIN	
	HOLLY K. WAYT	
	RICHARD DOUGLAS WAYT	

	LESSORS CONTINUED	DIST-TM/PAR
C	WENDELL W. JONES SR., ET UX	5-4/5
	GLADYS JANE BALDERSON	
	SANDRA MICHELLE ROBERTS	
	MICHAEL CHAMBERS	
	SUSAN M. MCGILL	
	KAROL L. BABEL	
	MARGARET ROBERTA DAVIS	
	JUDITH K. SHARP	
	HEATHER LEE DAVIS	
	CARL ALLEN ET UX	
	ROBERT LEO ALLEN ET UX	
	GARY D. ALLEN	
	LINDA FAYE SCOLICK	
	RUTH ANN HARRIGAN	
	WILLIAM S. MILLER ET UX	
	MICHAEL GORDON WHITE ET UX	
	HUGH L. JONES ET UX	
	GERALDINE ANNE BRACKEN	
	TED IANNARELLI ET UX	
	PATRICIA A. PEARCE	
	CARRIE LEE HENDERSON	
	MICHAEL A. MAY	
	LAWRENCE MANNELLA ET UX	
	PEGGY MARTIN	
	MARY LOU SNYDER	
	RONALD L. PATTERSON	
	JAMES PATTERSON	
	PAUL PATTERSON ET UX	
D	NOBLE MARCELLUS	9-4/6
E	HG ENERGY II APPALACHIA LLC	9-4/6.1
F	RONALD D. MASON ET UX	9-4/12
G	*BLAKE HOWARD ET UX	9-4/11
H	CHESTNUT HOLDINGS, INC.	9-4/18
J	CHESTNUT HOLDINGS, INC.	9-6/5

* - DENOTES PARCEL WITHIN 30 FEET OF PLANNED WELL BORE

SURFACE HOLE LOCATION (SHL)	APPROX. LANDING POINT	BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83(M) N:4407962.535 E:522242.560	UTM 17-NAD83(M) N:4407847.96 E:522592.39	UTM 17-NAD83(M) N:4406443.44 E:523634.58
NAD83, WV NORTH N:483685.234 E:1620195.396	NAD83, WV NORTH N:483290.060 E:1621337.070	NAD83, WV NORTH N:478624.000 E:1624680.000

FEBRUARY 13, 2019

API WELL #: 47 51 2237H6A
STATE COUNTY PERMIT

**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

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: Branden Weimer 
 Its: Senior Permitting Advisor

Mason Unit M09H

Plat ID	Parcel Number	Lessor	Lessee	Royalty	Book/Page	Assignment #1	Assignment #2
A	5-4-7	HOLMES, JEFFREY S., et ux.	Chesapeake Appalachia, LLC	0.15	681/520	30/392 Chesapeake to Chevron U.S.A. Inc.	n/a
		MASON, DONNA J - SFX	Chevron U.S.A. Inc.	0.15	916/478	n/a	n/a
		SADOSKI, JAY - SFX	Chevron U.S.A. Inc.	0.16	921/616	n/a	n/a
		KNOX, SANDRA - SFX	Chevron U.S.A. Inc.	0.16	921/562	n/a	n/a
		SADOSKY, JOHN - SFX	Chevron U.S.A. Inc.	0.16	926/24	n/a	n/a
B	5-4-6	SADOSKY, PAUL - SFX	Chevron U.S.A. Inc.	0.16	928/159	n/a	n/a
		SADOSKY, GEORGE - SFX	Chevron U.S.A. Inc.	0.16	926/27	n/a	n/a
		KAHOOHANOHANO, SUZETTE - SFX	Chevron U.S.A. Inc.	0.16	928/162	n/a	n/a
		GOMES, BEVERLY LUANA - SFX	Chevron U.S.A. Inc.	0.16	926/21	n/a	n/a
		ENGLISH, MAUDREY -SFX	Chevron U.S.A. Inc.	0.16	926/55	n/a	n/a
		Cramer Jeffrey D. et ux	Chevron U.S.A. Inc.	0.18	848/444	n/a	n/a
		David Anthony Hammel, Sr.	Chevron U.S.A. Inc.	0.18	865/302	n/a	n/a
		Hammel, Daniel Joseph	Chevron U.S.A. Inc.	0.18	865/115	n/a	n/a
		James Robert Evans, Sr.	Chevron U.S.A. Inc.	0.18	865/297	n/a	n/a
		Heather Nicole Evans	Chevron U.S.A. Inc.	0.15	903/186	n/a	n/a
		Andrea Evans Horton	Chevron U.S.A. Inc.	0.16	883/584	n/a	n/a
		Timothy P. Evans	Chevron U.S.A. Inc.	0.15	902/526	n/a	n/a
		Mary Catherine Hood	Chevron U.S.A. Inc.	0.14	883/533	n/a	n/a
		Myers, Delores J - SFX	Chevron U.S.A. Inc.	0.16	831/530	n/a	n/a
		Janet F. Higgins	Chevron U.S.A. Inc.	0.15	899/523	n/a	n/a
		John G. Calvert - SFX	Chevron U.S.A. Inc.	0.16	831/462	n/a	n/a
		Hudson, Elizabeth S.	Chevron U.S.A. Inc.	0.18	868/36	n/a	n/a
		Oliver, Gerard Clinton - SFX	Chevron U.S.A. Inc.	0.16	835/70	n/a	n/a
		Oliver, Gerard C - SFX	Chevron U.S.A. Inc.	0.16	835/60	n/a	n/a
		Oliver, James A - SFX	Chevron U.S.A. Inc.	0.16	834/488	n/a	n/a
		Oliver, Joseph W - SFX	Chevron U.S.A. Inc.	0.16	836/224	n/a	n/a
		Oliver, John D - SFX	Chevron U.S.A. Inc.	0.16	835/65	n/a	n/a
		Oliver, Becky - SFX	Chevron U.S.A. Inc.	0.16	831/525	n/a	n/a
		Martin, David Lee	Chevron U.S.A. Inc.	0.16	837/274	n/a	n/a
		Martin, Gerald Wayne ET UX - SFX	Chevron U.S.A. Inc.	0.16	835/213	n/a	n/a
		Pearce, Judith	Chevron U.S.A. Inc.	0.16	834/468	n/a	n/a
		Martin, Martie Jo - SFX	Chevron U.S.A. Inc.	0.16	834/478	n/a	n/a
		Wayt, Holly K - SFX	Chevron U.S.A. Inc.	0.16	836/295	n/a	n/a

Mason Unit M09H

Plat ID	Parcel Number	Lessor	Lessee	Royalty	Book/Page	Assignment #1	Assignment #2
C	5-4-5	Wayt, Richard Douglas - SFX	Chevron U.S.A. Inc.	0.16	836/300	n/a	n/a
		Jones, Wendell W. Sr., et ux.	Chevron U.S.A. Inc.	0.16	838/464	n/a	n/a
		Balderson Gladys Jane - SFX	Chevron U.S.A. Inc.	0.16	834/473	n/a	n/a
		Sandra Michelle Roberts	Chevron U.S.A. Inc.	0.16	883/524	n/a	n/a
		Chambers, Michael - SFX	Chevron U.S.A. Inc.	0.16	836/214	n/a	n/a
		McGill, Susan M - SFX	Chevron U.S.A. Inc.	0.16	840/363	n/a	n/a
		Babel Karol L - SFX	Chevron U.S.A. Inc.	0.16	834/416	n/a	n/a
		Davis, Margaret Roberta - SFX	Chevron U.S.A. Inc.	0.16	834/411	n/a	n/a
		Sharp, Judith K - SFX	Chevron U.S.A. Inc.	0.16	836/285	n/a	n/a
		Davis, Heather Lee - SFX	Chevron U.S.A. Inc.	0.18	889/341	n/a	n/a
		Allen, Carl ET UX - SFX	Chevron U.S.A. Inc.	0.16	837/269	n/a	n/a
		Allen, Robert Leo ET UX - SFX	Chevron U.S.A. Inc.	0.16	854/114	n/a	n/a
		Allen, Gary D - SFX	Chevron U.S.A. Inc.	0.16	838/337	n/a	n/a
		Scollick, Linda Faye - SFX	Chevron U.S.A. Inc.	0.16	835/55	n/a	n/a
		Harrigan, Ruth Ann - SFX	Chevron U.S.A. Inc.	0.16	835/75	n/a	n/a
		Miller, William S ET UX - SFX	Chevron U.S.A. Inc.	0.16	835/92	n/a	n/a
		White, Michael Gordon ET UX - SFX	Chevron U.S.A. Inc.	0.16	859/172	n/a	n/a
		Jones, Hugh L ET UX - SFX	Chevron U.S.A. Inc.	0.16	835/80	n/a	n/a
		Bracken, Geraldine Anne	Chevron U.S.A. Inc.	0.18	847/152	n/a	n/a
		Iannarelli, Ted ET UX - SFX	Chevron U.S.A. Inc.	0.16	838/459	n/a	n/a
		Pearce, Patricia A.	Chevron U.S.A. Inc.	0.16	889/347	n/a	n/a
		Henderson, Carrie Lee - SFX	Chevron U.S.A. Inc.	0.16	838/560	n/a	n/a
		May, Michael A - SFX	Chevron U.S.A. Inc.	0.16	836/251	n/a	n/a
Mannella, Lawrence ET UX - SFX	Chevron U.S.A. Inc.	0.16	847/370	n/a	n/a		
Martin, Peggy - SFX	Chevron U.S.A. Inc.	0.18	849/24	n/a	n/a		
Snyder, Mary Lou	Chevron U.S.A. Inc.	0.16	889/344	n/a	n/a		
Patterson, Ronald L.	Chevron U.S.A. Inc.	0.16	876/325	n/a	n/a		
Patterson, James	Chevron U.S.A. Inc.	0.18	889/338	n/a	n/a		
Patterson, Paul ET UX	Chevron U.S.A. Inc.	0.18	871/236	n/a	n/a		
D	9-4-6	NOBLE MARCELLUS	Fossil Creek Ohio, LLC	0.17	832/177	36/588 Fossil Creek Ohio, LLC to American Petroleum Partners Operating, LLC	40/354 American Petroleum Partners Operating, LLC to Chevron U.S.A. Inc.
E	9-4-6.1	HG ENERGY II APPALACHIA LLC	Chevron U.S.A. Inc.	0.18	984/581	n/a	n/a

Mason Unit M09H

Plat ID	Parcel Number	Lessor	Lessee	Royalty	Book/Page	Assignment #1	Assignment #2
F	9-4-12	MASON, RONALD D., et ux.	Chevron U.S.A. Inc.	0.16	772/499	n/a	n/a
G	9-4-11	Blake Howard Et Ux	TriEnergy Holdings, Inc.	0.125	655/557	19/623 TriEnergy Holdings, Inc. to AB Resources LLC	756/397 AB Resources LLC to Chevron U.S.A. Inc.
H	9-4-18	CHESTNUT HOLDINGS, INC.	Republic Energy Ventures, LLC	0.16	839/170	32/415 Republic Energy Ventures, LLC to Chevron U.S.A. Inc.	n/a
J	9-6-5	CHESTNUT HOLDINGS, INC.	Republic Energy Ventures, LLC	0.16	839/170	32/415 Republic Energy Ventures, LLC to Chevron U.S.A. Inc.	n/a



Brian Derr
Land Representative

January 21, 2019

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

RE: Mason M09H

To whom it may concern:

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

Sincerely,

A handwritten signature in black ink, appearing to read "B. Derr".

Brian Derr
Land Representative

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

Date of Notice Certification: 6/6/19

API No. 47- _____
Operator's Well No. M09H
Well Pad Name: Mason

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: <u>West Virginia</u>	UTM NAD 83 Easting: <u>522237.997</u>
County: <u>Marshall</u>	UTM NAD 83 Northing: <u>4407962.269</u>
District: <u>Franklin</u>	Public Road Access: <u>CR 21 Cecil Ridge Road</u>
Quadrangle: <u>Glen Easton, WV 7.5'</u>	Generally used farm name: <u>Mason</u>
Watershed: <u>Fish Creek</u>	

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.

<p>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:</p> <p>*PLEASE CHECK ALL THAT APPLY</p> <p><input type="checkbox"/> 1. NOTICE OF SEISMIC ACTIVITY or <input type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED</p> <p><input type="checkbox"/> 2. NOTICE OF ENTRY FOR PLAT SURVEY or <input type="checkbox"/> NO PLAT SURVEY WAS CONDUCTED</p> <p><input checked="" type="checkbox"/> 3. NOTICE OF INTENT TO DRILL or <input type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or</p> <p style="padding-left: 100px;"><input type="checkbox"/> WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)</p> <p><input checked="" type="checkbox"/> 4. NOTICE OF PLANNED OPERATION</p> <p><input checked="" type="checkbox"/> 5. PUBLIC NOTICE</p> <p><input checked="" type="checkbox"/> 6. NOTICE OF APPLICATION</p>	<p>OOG OFFICE USE ONLY</p> <p><input type="checkbox"/> RECEIVED/ NOT REQUIRED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input type="checkbox"/> RECEIVED/ NOT REQUIRED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input type="checkbox"/> RECEIVED</p>
--	---


Required Attachments:

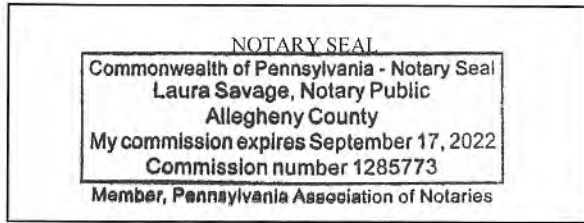
The Operator shall attach to this Notice Certification Form all Notice Forms and Certifications of Notice that have been provided to the required parties and/or any associated written waivers. For the Public Notice, the operator shall attach a copy of the Class II Legal Advertisement with publication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

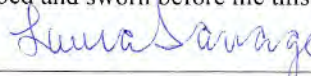
RECEIVED
Office of Oil and Gas
JUN - 7 2019
WV Department of
Environmental Protection

Certification of Notice is hereby given:

THEREFORE, I Branden Weimer, 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:	<u>Chevron Appalachia, LLC</u>	Address:	<u>700 Cherrington Parkway</u>
By:	<u>Branden Weimer</u> 		<u>Coraopolis, PA 15108</u>
Its:	<u>Senior Permitting Advisor</u>	Facsimile:	<u>412-865-2403</u>
Telephone:	<u>412-865-3140</u>	Email:	<u>BWeimer@chevron.com</u>



Commonwealth of Pennsylvania
County of Allegheny
 Subscribed and sworn before me this 4th day of June 2019.

 _____ Notary Public
 My Commission Expires September 17, 2022

Oil and Gas Privacy Notice:

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

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

Notice Time Requirement: notice shall be provided no later than the filing date of permit application.

Date of Notice: 5/9/19 Date Permit Application Filed: 6/16/19

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: CNX Land Resources, Inc.
Address: 1000 Consol Energy Drive
Canonsburg, PA 15317

Name: _____
Address: _____

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

Name: _____
Address: _____

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

COAL OWNER OR LESSEE
Name: Consol Energy, Inc.
Address: 1000 Consol Energy Drive, Suite 100
Canonsburg, PA 15317

COAL OPERATOR
Name: Murray Energy Corp.
Address: 46226 National Road
St. Clairsville, OH 43960

SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)
Name: Donna Mason
Address: 2313 Hancock St.
Moundsville, WV 26041

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

*Please attach additional forms if necessary

RECEIVED
Office of Oil and Gas
JUN - 7 2019
WV Department of
Environmental Protection

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, 2012, report to the Legislature on the noise, light, dust and volatile organic compounds generated by the drilling of horizontal wells as they relate to the well location restrictions regarding occupied dwelling structures pursuant to this section. Upon a finding, if any, by the secretary that the well location restrictions regarding occupied dwelling structures are inadequate or otherwise require alteration to address the items

RECEIVED
JUN - 7 2019
WV Department of Environmental Protection

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

RECEIVED
Office of Oil and Gas
JUN - 7 2019
WV Department of
Environmental Protection
EPA qualified to

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.**

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.

RECEIVED
Office of Oil and Gas
JUN - 7 2019
WV Department of
Environmental Protection

WW-6A
(8-13)

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

Notice is hereby given by:

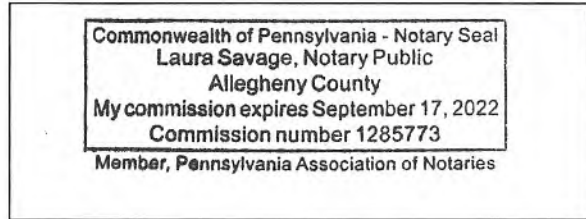
Well Operator: Chevron Appalachia, LLC
Telephone: 412-865-3140
Email: BWeimer@chevron.com



Address: 700 Cherrington Parkway
Coraopolis, PA 15108
Facsimile: 412-865-2403

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course 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
County of Allegheny
Subscribed and sworn before me this 7th day of May 2019.
Laura Savage Notary Public
My Commission Expires September 17, 2022

RECEIVED
Office of Oil and Gas
JUN - 7 2019
WV Department of
Environmental Protection

Attachment to WW-6A

API No. 47- ____ - _____

OPERATOR WELL NO. M09H

Well Pad Name: Mason

Surface Owner

CNX Land Resources, Inc.
1000 Consol Energy Drive
Canonsburg, PA 15317

Surface Owner (Road and Other Disturbances)

Donna J. Mason Etal
2313 Hancock Street
Moundsville, WV 26041

Jay J. Sadoski
2016 Welshon Lane
Moundsville, WV 26041

Sandra Knox
1557 Fork Ridge Road
Moundsville, WV 26041

John K. Sadosky
PO Box 464
Haiku, HI 96708

Paul Sadosky
PO Box 464
Haiku, HI 96708

George Sadosky
PO Box 464
Haiku, HI 96708

Suzette Kahooohanohano
PO Box 419
Haiku, HI 96708

RECEIVED
Office of Oil and Gas
JUN - 7 2019
WV Department of
Environmental Protection

Beverly Luana Gomes
6824 Brier Creek Lane
Las Vegas, NV 89131

Maudrey English
PO Box 1067
Haiku, HI 96708

Paul E. Sadoski
3691 LWR Honopiilini Road
Apt 210
Lahaina, HI 96761

Jeffrey S. Holmes, ET UX
1325 Lindsay Lane
Moundsville, WV 26041

Coal Owner

Consol Energy Inc.
1000 Consol Energy Drive, Suite 100
Canonsburg, PA 15317

Coal Operator

Murray Energy Corp.
46229 National Road
St. Clairsville, OH 43960

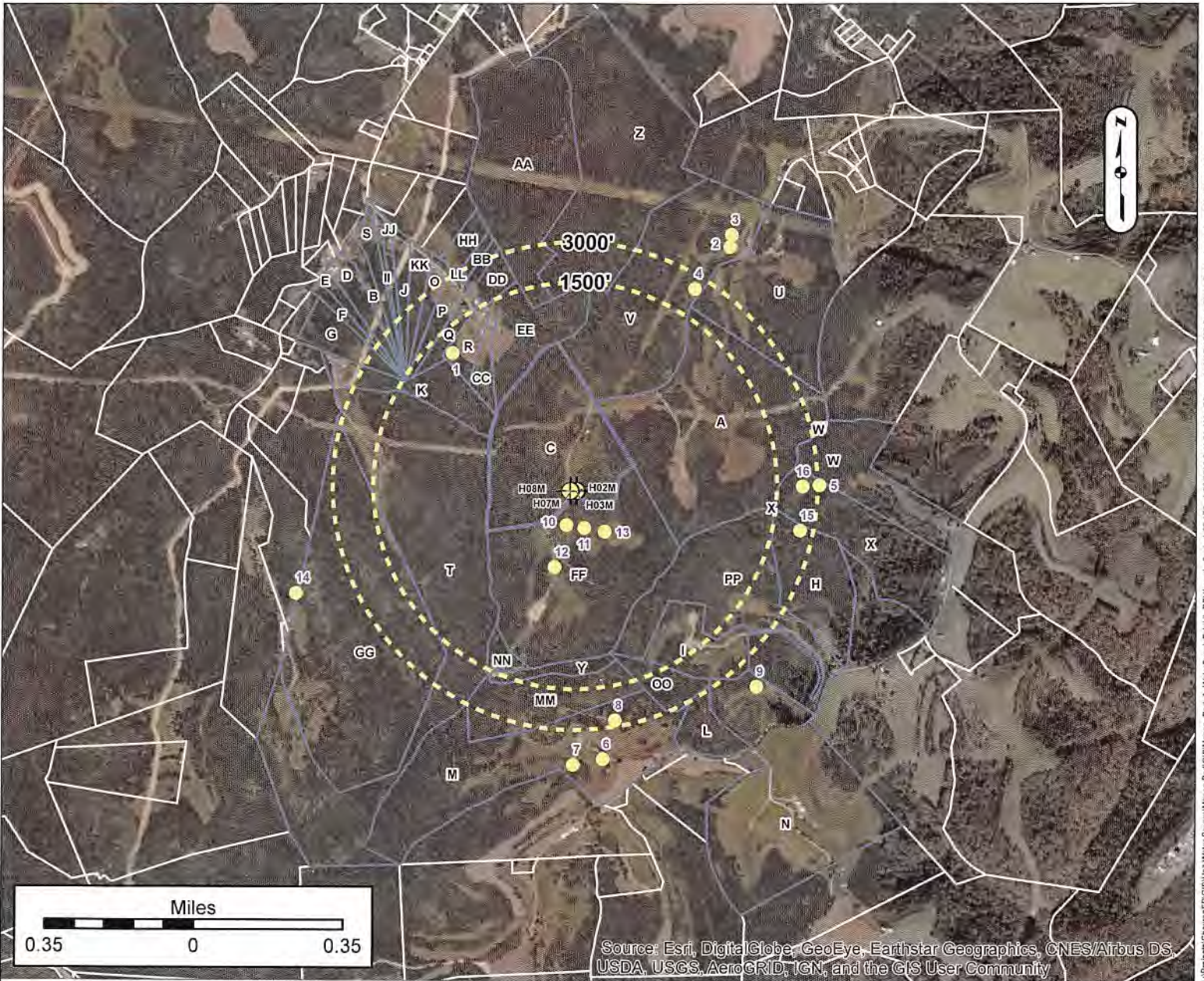
Surface Owner of Water Well

Donna Mason
2313 Hancock Street
Moundsville, WV 26041

RECEIVED
Office of Oil and Gas
JUN -7 2019
WV Department of
Environmental Protection



WATER SUPPLY EXHIBIT MASON PAD A



LOT OWNERS

LABEL	OWNER	TM	LABEL	OWNER	TM	LABEL	OWNER	TM	LABEL	OWNER	TM
A	CONSOL ENERGY	25-05 4000500000000	L	HERRNBERGER GRANT	25-09 4001300000000	W	KEENER DANNY L & LISA M	25-09 4000700010000	HH	PARKER JOHN T ET UX	25-05 4002300000000
B	WEST STEVEN E & JACQUELINE D	25-05 4002700000000	M	LYONS SCOTTIE K ET UX	25-09 4000300000000	X	WAYT RICHARD L JR & LISA M	25-09 4000700000000	JJ	MCCLINTOCK WILLIAM	25-05 4002800000000
C	CONSOL ENERGY	25-05 4000700000000	N	MASON BARBARA A & RONALD D	25-09 4001200000000	Y	CONSOL ENERGY	25-09 4000400010000	II	MCCLINTOCK WILLIAM E & TERRY	25-05 4003700000000
D	FRIEND PATRICIA	25-05 4003300000000	O	BLAKE DENNIS	25-05 4004100000000	Z	HILL DAVID P & LARRY E	25-05 3002300000000	KK	BELL CARL L ET UX	25-05 4003800000000
E	FRIEND PATRICIA	25-05 4003100000000	P	BLAKE DENNIS	25-05 4004200000000	AA	MAYNARD DOUGLAS & RUTH EVELYN	25-05 3002400000000	LL	UNKNOWN	25-05 4003900000000
F	YOHIO GARY W ET UX	25-05 4002600000000	Q	BLAKE DENNIS	25-05 4003500000000	BB	LUCAS DONALD H & PEGGY A ET AL	25-05 4000300070000	MM	LYONS SCOTTIE K ET UX	25-09 4000400000000
G	BLAKE DENNIS	25-05 4000300040000	R	BLAKE DENNIS	25-05 4004300000000	CC	BLAKE RICHARD SR ET UX	25-05 4000300110000	NN	CONSOL ENERGY	25-09 4000400020000
H	GATTS RALPH A SR & BONNIE J	25-09 4000600020000	S	CONKLE BRENT A	25-05 4000800000000	DD	BLAKE ROBERT	25-05 4000300120000	OO	LYONS SCOTTIE K ET UX	25-09 4000500000000
I	CONSOL ENERGY	25-09 4000800010000	T	HALL RICKY D & PEGGY A	25-05 4000800000000	EE	SOUTHERN COUNTRY FARMS INC	25-05 4000300150000	PP	GATTS RALPH ET UX	25-09 4000600000000
J	SUMMERS JAYSON W & LISA M	25-05 4002000000000	U	CUNNINGHAM BRENT C ET UX	25-05 3002200000000	FF	MASON DONNA	25-05 4000600000000			
K	HALL RICKY D & PEGGY A	25-05 4000800020000	V	CUNNINGHAM GLENN LET UX	25-05 4000400000000	GG	OSTRANDER PAUL E & LINDA S	25-05 4000800010000			

Surface Owner: CNX LAND RESOURCES INC
 Oil/Gas Owner: JEFFREY S. HOLMES ET UX
 Well Operator: CHEVRON APPALACHIA, LLC
 Address: 700 CHERRINGTON PARKWAY
CORAOPOLIS, PA 15108
 Phone: 412-865-3113

County: MARSHALL
 Township: MOUNDVILLE
 Surveyor: GROUNDWATER & ENVIRONMENTAL SERVICES, IN
 Address: 301 COMMERCE PARK DR
CRANBERRY TOWNSHIP, PA 16066
 Phone: 800-267-2549

RECEIVED
 Office of Oil and Gas
 JUN - 7 - 2019
 WV Department of Environmental Protection

NOTICE: THE INTENT OF THIS EXHIBIT IS TO IDENTIFY EXISTING WATER SUPPLIES IN THE VICINITY OF A PROPOSED GAS WELL, AND IS NOT A COMPLETE BOUNDARY SURVEY. PROPERTY LINES AND OWNER INFORMATION WERE OBTAINED FROM DEEDS, TAX RECORDS, AERIAL PHOTOGRAPHY, GIS, AND FIELD SURVEYED EVIDENCE.



WATER SUPPLY EXHIBIT
MASON PAD A



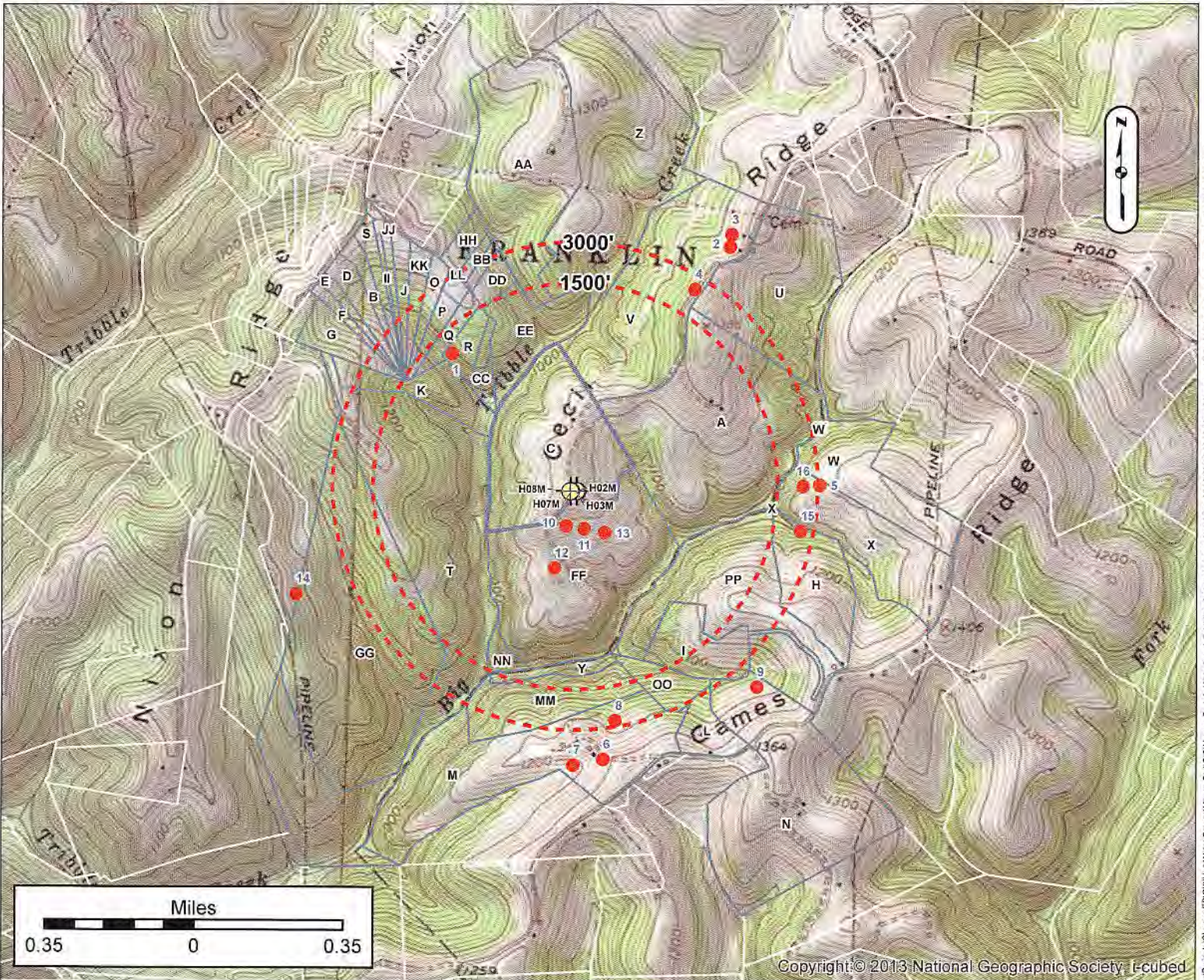
No.	WATER PURVEYOR	SUPPLY	ELEV.	ADDRESS	PHONE #
1	BLAKE RICHARD SR ET UX	SPRING	1,127	385 GOOSEMAN LANE MOUNDSVILLE, WV 26041	304-843-5250
2	CUNNINGHAM GLENN L ET UX	SPRING	1,240	N/A	N/A
3	CUNNINGHAM GLENN L ET UX	SPRING	1,227	N/A	N/A
4	CUNNINGHAM GLENN L ET UX	SPRING	1,268	N/A	N/A
5	KEENER DANNY L & LISA M	SPRING	1,142	847 GAMES RIDGE ROAD PROCTOR, WV 26055	304-845-5073
6	LYONS SCOTTIE K ET UX	SPRING	1,278	1851 GAMES RIDGE ROAD PROCTOR, WV 26055	304-845-9082
7	LYONS SCOTTIE K ET UX	SPRING	1,202	1851 GAMES RIDGE ROAD PROCTOR, WV 26055	304-845-9082
8	LYONS SCOTTIE K ET UX	SPRING	1,140	1851 GAMES RIDGE ROAD PROCTOR, WV 26055	304-845-9082
9	MASON BARBARA A & RONALD D	SPRING	1,146	230 MASON LANE PROCTOR, WV 26055	304-843-1839 304-210-5296
10	MASON DONNA	SPRING	1,216	2313 HANCOCK ST MOUNDSVILLE, WV 26041	304-843-1318
11	MASON DONNA	SPRING	1,197	2313 HANCOCK ST MOUNDSVILLE, WV 26041	304-843-1318
12	MASON DONNA	SPRING	1,172	2313 HANCOCK ST MOUNDSVILLE, WV 26041	304-843-1318
13	MASON DONNA	POND	1,181	2313 HANCOCK ST MOUNDSVILLE, WV 26041	304-843-1318
14	OSTRANDER PAUL E & LINDA S	SPRING	1,227	1663 NIXON RIDGE MOUNDSVILLE, WV 26041	304-845-6299
15	WAYT RICHARD L JR & LISA M	SPRING	1,043	963 GAMES RIDGE ROAD PROCTOR, WV 26055	304-845-6149
16	WAYT RICHARD L JR & LISA M	SPRING	1,076	963 GAMES RIDGE ROAD PROCTOR, WV 26055	304-845-6149

No.	SUPPLY COORDINATES	H02M	H03M	H07M	H08M				
1	39°49'33.3624"N 80°44'44.7684"W	2,292	2,282	2,243	2,233				
2	39°49'47.5140"N 80°44'01.4424"W	3,544	3,552	3,586	3,594				
3	39°49'49.0080"N 80°44'01.2228"W	3,684	3,692	3,725	3,733				
4	39°49'42.2688"N 80°44'06.7200"W	2,880	2,888	2,920	2,928				
5	39°49'18.9732"N 80°43'45.8400"W	2,998	3,013	3,073	3,088				
6	39°48'44.7120"N 80°44'18.6108"W	3,316	3,317	3,323	3,324				
7	39°48'43.9092"N 80°44'23.2620"W	3,369	3,369	3,368	3,368				
8	39°48'49.4784"N 80°44'16.9044"W	2,862	2,864	2,874	2,877				
9	39°48'54.2448"N 80°43'54.6348"W	3,274	3,284	3,324	3,334				
10	39°49'12.9864"N 80°44'25.7244"W	443	438	425	422				
11	39°49'12.6840"N 80°44'22.9200"W	468	470	485	490				
12	39°49'07.8096"N 80°44'27.3480"W	982	977	961	958				
13	39°49'12.3096"N 80°44'19.6296"W	610	618	653	663				
14	39°49'03.4932"N 80°45'08.2476"W	3,707	3,692	3,636	3,622				
15	39°49'13.3464"N 80°43'48.6444"W	2,801	2,816	2,875	2,890				

RECEIVED
Office of Oil and Gas
JUN - 7 2019
WV Department of
Environmental Protection



WATER SUPPLY EXHIBIT MASON PAD A



LOT OWNERS

LABEL	OWNER	TM	LABEL	OWNER	TM	LABEL	OWNER	TM	LABEL	OWNER	TM
A	CONSOL ENERGY	25-05 4000500000000	L	HERRNBERGER GRANT	25-09 4001300000000	W	KEENER DANNY L & LISA M	25-09 4000700010000	HH	PARKER JOHN T ET UX	25-05 4002300000000
B	WEST STEVEN E & JACQUELINE D	25-05 4002700000000	M	LYONS SCOTTIE K ET UX	25-09 4000300000000	X	WAYT RICHARD L JR & LISA M	25-09 4000700000000	II	MCCLINTOCK WILLIAM	25-05 4002800000000
C	CONSOL ENERGY	25-05 4000900000000	N	MASON BARBARA A & RONALD D	25-09 4001200000000	Y	CONSOL ENERGY	25-09 4000400010000	JJ	MCCLINTOCK WILLIAM E & TERRY	25-05 4003700000000
D	FRIEND PATRICIA	25-05 4003300000000	O	BLAKE DENNIS	25-05 4004100000000	Z	HILL DAVID P & LARRY E	25-05 3002300000000	KK	BELL CARL L ET UX	25-05 4003800000000
E	FRIEND PATRICIA	25-05 4003100000000	P	BLAKE DENNIS	25-05 4004200000000	AA	MAYNARD DOUGLAS & RUTH EVELYN	25-05 3002400000000	LL	UNKNOWN	25-05 4003900000000
F	YOHIO GARY W ET UX	25-05 4002600000000	Q	BLAKE DENNIS	25-05 4003500000000	BB	LUCAS DONALD H & PEGGY A ET AL	25-05 4000300070000	MM	LYONS SCOTTIE K ET UX	25-09 4000400000000
G	BLAKE DENNIS	25-05 4000300040000	R	BLAKE RICHARD SR ET UX	25-05 4004300000000	CC	BLAKE RICHARD SR ET UX	25-05 4000300110000	NN	CONSOL ENERGY	25-09 4000400020000
H	GATTS RALPH A SR & BONNIE J	25-09 4000600020000	S	CONKLE BRENT A	25-05 4000300100000	DD	BLAKE ROBERT	25-05 4000300120000	OO	LYONS SCOTTIE K ET UX	25-09 4000500000000
I	CONSOL ENERGY	25-09 4000600010000	T	HALL RICKY D & PEGGY A	25-05 4000800000000	EE	SOUTHERN COUNTRY FARMS INC	25-05 4000300150000	PP	GATTS RALPH ET UX	25-09 4000600000000
J	SUMMERS JAYSON W & LISA M	25-05 4002000000000	U	CUNNINGHAM BRENT C ET UX	25-05 3002200000000	FF	MASON DONNA	25-05 4000600000000			
K	HALL RICKY D & PEGGY A	25-05 4000800020000	V	CUNNINGHAM GLENN L ET UX	25-05 4000400000000	GG	OSTRANDER PAUL E & LINDA S	25-05 4000800010000			

Surface Owner: CNX LAND RESOURCES INC

Oil/Gas Owner: JEFFREY S. HOLMES ET UX

Well Operator: CHEVRON APPALACHIA, LLC

Address: 700 CHERRINGTON PARKWAY
CORAOPOLIS, PA 15108

Phone: 412-865-3113

County: MARSHALL

Township: MOUNDSVILLE

Surveyor: GROUNDWATER & ENVIRONMENTAL SERVICES, INC

Address: 301 COMMERCE PARK DR
CRANBERRY TOWNSHIP, PA 16066

Phone: 800-267-2549

RECEIVED
Office of Oil and Gas

JUN 7 2019

Environmental Services, Inc

NOTICE: THE INTENT OF THIS EXHIBIT IS TO IDENTIFY EXISTING WATER SUPPLIES IN THE VICINITY OF A PROPOSED GAS WELL, AND IS NOT A COMPLETE BOUNDARY SURVEY. PROPERTY LINES AND OWNER INFORMATION WERE OBTAINED FROM DEEDS, TAX RECORDS, AERIAL PHOTOGRAPHY, GIS, AND FIELD SURVEYED EVIDENCE.

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

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

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

Date of Notice: 5/9/19 **Date Permit Application Filed:** 6/6/19

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: CNX Land Resources, Inc.
Address: 1000 Consol Energy Drive
Canonsburg, PA 15317

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:	<u>West Virginia</u>	UTM NAD 83	Easting:	<u>522237.997</u>
County:	<u>Marshall</u>		Northing:	<u>4407962.269</u>
District:	<u>Franklin</u>	Public Road Access:	<u>CR 21 Cecil Ridge Road</u>	
Quadrangle:	<u>Glen Easton, WV 7.5'</u>	Generally used farm name:	<u>Mason</u>	
Watershed:	<u>Fish Creek</u>			

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: 700 Cherrington Parkway
Coraopolis, PA 15108
Telephone: 412-865-1433
Email: KMartz@chevron.com
Facsimile: 412-865-2403

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.

RECEIVED
Office of Oil and Gas
JUN - 7 2019
WV Department of
Environmental Protection

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: 5/9/19 Date Permit Application Filed: 6/6/19

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: CNX Land Resources, Inc.
Address: 1000 Consol Energy Drive
Canonsburg, PA 15317

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: <u>West Virginia</u>	UTM NAD 83 Easting: <u>522237.997</u>
County: <u>Marshall</u>	Northing: <u>4407962.269</u>
District: <u>Franklin</u>	Public Road Access: <u>CR 21 Cecil Ridge Road</u>
Quadrangle: <u>Glen Easton, WV 7.5'</u>	Generally used farm name: <u>Mason</u>
Watershed: <u>Fish Creek</u>	

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: 412-865-1433
Email: KMartz@chevron.com

Address: 700 Cherrington Parkway
Coraopolis, PA 15108
Facsimile: 412-865-2403

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course 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.

RECEIVED
Office of Oil and Gas
JUN - 7 2019
WV Department of
Environmental Protection

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, Mason Smith, 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:	<u>West Virginia</u>	UTM NAD 83 Easting:	<u>522242.560</u>
County:	<u>Marshall</u>	UTM NAD 83 Northing:	<u>4407962.535</u>
District:	<u>Franklin</u>	Public Road Access:	<u>Cecil Ridge Road</u>
Quadrangle:	<u>Glen Easton 7.5'</u>	Generally used farm name:	<u>Mason</u>
Watershed:	<u>Upper Ohio-Beaver</u>		

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.

<p>*Please check the box that applies</p> <p><input type="checkbox"/> SURFACE OWNER</p> <p><input type="checkbox"/> SURFACE OWNER (Road and/or Other Disturbance)</p> <p><input type="checkbox"/> SURFACE OWNER (Impoundments/Pits)</p> <p><input type="checkbox"/> COAL OWNER OR LESSEE</p> <p><input checked="" type="checkbox"/> COAL OPERATOR</p> <p><input type="checkbox"/> WATER PURVEYOR</p> <p><input type="checkbox"/> OPERATOR OF ANY NATURAL GAS STORAGE FIELD</p>	<p>FOR EXECUTION BY A NATURAL PERSON</p> <p>Signature: <u>Mason Smith</u></p> <p>Print Name: <u>Mason Smith</u></p> <p>Date: <u>4-16-19</u></p> <p>FOR EXECUTION BY A CORPORATION, ETC.</p> <p>Company: _____</p> <p>By: _____</p> <p>Its: _____</p> <p>Signature: _____</p> <p>Date: _____</p>
--	---

RECEIVED
Office of Oil and Gas

JUN 7 2019

WV Department of
Environmental Protection

Oil and Gas Privacy Notice:

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

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, Suzette Kahochano, 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: <u>West Virginia</u>	UTM NAD 83 Easting: <u>522237.997</u>
County: <u>Marshall</u>	UTM NAD 83 Northing: <u>4407962.269</u>
District: <u>Franklin</u>	Public Road Access: <u>CR 21 Cecil Ridge Road</u>
Quadrangle: <u>Glen Easton, WV 7.5'</u>	Generally used farm name: <u>Mason</u>
Watershed: <u>Fish Creek</u>	

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.

<p>*Please check the box that applies</p> <p><input type="checkbox"/> SURFACE OWNER</p> <p><input type="checkbox"/> SURFACE OWNER (Road and/or Other Disturbance)</p> <p><input type="checkbox"/> SURFACE OWNER (Impoundments/Pits)</p> <p><input type="checkbox"/> COAL OWNER OR LESSEE</p> <p><input type="checkbox"/> COAL OPERATOR</p> <p><input type="checkbox"/> WATER PURVEYOR</p> <p><input type="checkbox"/> OPERATOR OF ANY NATURAL GAS STORAGE FIELD</p>	<p>FOR EXECUTION BY A NATURAL PERSON</p> <p>Signature: <u>Suzette Kahochano</u></p> <p>Print Name: <u>Suzette Kahochano</u></p> <p>Date: <u>5-16-19</u></p> <p>FOR EXECUTION BY A CORPORATION, ETC.</p> <p>Company: _____</p> <p>By: _____</p> <p>Its: _____</p> <p style="text-align: right;">RECEIVED Office of Oil and Gas</p> <p>Signature: _____</p> <p>Date: <u>JUN - 7 2019</u></p>
---	--

Oil and Gas Privacy Notice:

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

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
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, Maudrey English, 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:	<u>West Virginia</u>	UTM NAD 83	Easting:	<u>522237.997</u>
County:	<u>Marshall</u>		Northing:	<u>4407962.269</u>
District:	<u>Franklin</u>	Public Road Access:	<u>CR 21 Cecil Ridge Road</u>	
Quadrangle:	<u>Glen Easton, WV 7.5'</u>	Generally used farm name:	<u>Mason</u>	
Watershed:	<u>Fish Creek</u>			

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.

<p>*Please check the box that applies</p> <p><input type="checkbox"/> SURFACE OWNER</p> <p><input type="checkbox"/> SURFACE OWNER (Road and/or Other Disturbance)</p> <p><input type="checkbox"/> SURFACE OWNER (Impoundments/Pits)</p> <p><input type="checkbox"/> COAL OWNER OR LESSEE</p> <p><input type="checkbox"/> COAL OPERATOR</p> <p><input type="checkbox"/> WATER PURVEYOR</p> <p><input type="checkbox"/> OPERATOR OF ANY NATURAL GAS STORAGE FIELD</p>	<p>FOR EXECUTION BY A NATURAL PERSON</p> <p>Signature: <u>Maudrey English</u></p> <p>Print Name: _____</p> <p>Date: _____</p>
	<p>FOR EXECUTION BY A CORPORATION, ETC.</p> <p>Company: _____</p> <p>By: _____</p> <p>Its: _____</p>
	<p>Signature: _____</p> <p>Date: _____</p>
	<p style="text-align: right;">RECEIVED Office of Oil and Gas</p>
	<p style="text-align: right;">JUN - 7 2019</p>
	<p style="text-align: right;">WV Department of Environmental Protection</p>

Oil and Gas Privacy Notice:

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

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, George L. Sadosky, 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:	<u>West Virginia</u>	UTM NAD 83	Eastings:	<u>522237.997</u>
County:	<u>Marshall</u>		Northing:	<u>4407962.269</u>
District:	<u>Franklin</u>	Public Road Access:	<u>CR 21 Cecil Ridge Road</u>	
Quadrangle:	<u>Glen Easton, WV 7.5'</u>	Generally used farm name:	<u>Mason</u>	
Watershed:	<u>Fish Creek</u>			

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.

<p>*Please check the box that applies</p> <p><input type="checkbox"/> SURFACE OWNER</p> <p><input type="checkbox"/> SURFACE OWNER (Road and/or Other Disturbance)</p> <p><input type="checkbox"/> SURFACE OWNER (Impoundments/Pits)</p> <p><input type="checkbox"/> COAL OWNER OR LESSEE</p> <p><input type="checkbox"/> COAL OPERATOR</p> <p><input type="checkbox"/> WATER PURVEYOR</p> <p><input type="checkbox"/> OPERATOR OF ANY NATURAL GAS STORAGE FIELD</p>	<p>FOR EXECUTION BY A NATURAL PERSON</p> <p>Signature: <u></u></p> <p>Print Name: <u>George Sadosky</u></p> <p>Date: <u>5-16-19</u></p>
	<p>FOR EXECUTION BY A CORPORATION, ETC.</p> <p>Company: _____</p> <p>By: _____</p> <p>Its: _____</p> <p>Signature: _____</p> <p>Date: _____</p>

Oil and Gas Privacy Notice:

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

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
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, Paul Sadosky, 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:	<u>West Virginia</u>	UTM NAD 83	Eastings:	<u>522237.997</u>
County:	<u>Marshall</u>		Northing:	<u>4407962.269</u>
District:	<u>Franklin</u>	Public Road Access:	<u>CR 21 Cecil Ridge Road</u>	
Quadrangle:	<u>Glen Easton, WV 7.5'</u>	Generally used farm name:	<u>Mason</u>	
Watershed:	<u>Fish Creek</u>			

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.

<p>*Please check the box that applies</p> <p><input type="checkbox"/> SURFACE OWNER</p> <p><input type="checkbox"/> SURFACE OWNER (Road and/or Other Disturbance)</p> <p><input type="checkbox"/> SURFACE OWNER (Impoundments/Pits)</p> <p><input type="checkbox"/> COAL OWNER OR LESSEE</p> <p><input type="checkbox"/> COAL OPERATOR</p> <p><input type="checkbox"/> WATER PURVEYOR</p> <p><input type="checkbox"/> OPERATOR OF ANY NATURAL GAS STORAGE FIELD</p>	<p>FOR EXECUTION BY A NATURAL PERSON</p> <p>Signature: <u>Paul Sadosky</u></p> <p>Print Name: <u>Paul Sadosky</u></p> <p>Date: <u>5-16-19</u></p> <p>FOR EXECUTION BY A CORPORATION, ETC.</p> <p>Company: _____</p> <p>By: _____</p> <p>Its: _____</p> <p>Signature: _____</p> <p>Date: _____</p> <p style="text-align: right;">RECEIVED Office of Oil and Gas JUN - 7 2019</p>
---	---

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.

WV Department of
Environmental Protection

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, John Sadosky, 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:	<u>West Virginia</u>	UTM NAD 83 Easting:	<u>522237.997</u>
County:	<u>Marshall</u>	UTM NAD 83 Northing:	<u>4407962.269</u>
District:	<u>Franklin</u>	Public Road Access:	<u>CR 21 Cecil Ridge Road</u>
Quadrangle:	<u>Glen Easton, WV 7.5'</u>	Generally used farm name:	<u>Mason</u>
Watershed:	<u>Fish Creek</u>		

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.

<p>*Please check the box that applies</p> <p><input type="checkbox"/> SURFACE OWNER</p> <p><input type="checkbox"/> SURFACE OWNER (Road and/or Other Disturbance)</p> <p><input type="checkbox"/> SURFACE OWNER (Impoundments/Pits)</p> <p><input type="checkbox"/> COAL OWNER OR LESSEE</p> <p><input type="checkbox"/> COAL OPERATOR</p> <p><input type="checkbox"/> WATER PURVEYOR</p> <p><input type="checkbox"/> OPERATOR OF ANY NATURAL GAS STORAGE FIELD</p>	<p>FOR EXECUTION BY A NATURAL PERSON</p> <p>Signature: <u>John Sadosky</u></p> <p>Print Name: <u>JOHN SADOSKY</u></p> <p>Date: <u>5-18-19</u></p> <p>FOR EXECUTION BY A CORPORATION, ETC.</p> <p>Company: _____</p> <p>By: _____</p> <p>Its: _____</p> <p>Signature: _____</p> <p>Date: _____</p> <p style="text-align: right;">RECEIVED Office of Oil and Gas JUN 7 2019</p>
---	---

Oil and Gas Privacy Notice:

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

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
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, Donna Mason, 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:	<u>West Virginia</u>	UTM NAD 83	Easting:	<u>522237.997</u>
County:	<u>Marshall</u>		Northing:	<u>4407962.269</u>
District:	<u>Franklin</u>	Public Road Access:	<u>CR 21 Cecil Ridge Road</u>	
Quadrangle:	<u>Glen Easton, WV 7.5'</u>	Generally used farm name:	<u>Mason</u>	
Watershed:	<u>Fish Creek</u>			

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: Donna J. Mason
 Print Name: Donna J. Mason
 Date: 5/7/19

FOR EXECUTION BY A CORPORATION, ETC.

Company: _____
 By: _____
 Its: _____

Signature: _____
 Date: _____

RECEIVED
Office of Oil and Gas
JUN -7 2019

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.

WV Department of
Environmental Protection

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, Beverly L. Gomes, 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:	<u>West Virginia</u>	UTM NAD 83	Eastings:	<u>522237.997</u>
County:	<u>Marshall</u>		Northing:	<u>4407962.269</u>
District:	<u>Franklin</u>	Public Road Access:	<u>CR 21 Cecil Ridge Road</u>	
Quadrangle:	<u>Glen Easton, WV 7.5'</u>	Generally used farm name:	<u>Mason</u>	
Watershed:	<u>Fish Creek</u>			

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.

<p>*Please check the box that applies</p> <p><input type="checkbox"/> SURFACE OWNER</p> <p><input type="checkbox"/> SURFACE OWNER (Road and/or Other Disturbance)</p> <p><input type="checkbox"/> SURFACE OWNER (Impoundments/Pits)</p> <p><input type="checkbox"/> COAL OWNER OR LESSEE</p> <p><input type="checkbox"/> COAL OPERATOR</p> <p><input type="checkbox"/> WATER PURVEYOR</p> <p><input type="checkbox"/> OPERATOR OF ANY NATURAL GAS STORAGE FIELD</p>	<p>FOR EXECUTION BY A NATURAL PERSON</p> <p>Signature: <u>B. Gomes</u></p> <p>Print Name: <u>Beverly L. Gomes</u></p> <p>Date: <u>5/28/19</u></p>
	<p>FOR EXECUTION BY A CORPORATION, ETC.</p> <p>Company: _____</p> <p>By: _____</p> <p>Its: _____</p>
	<p>Signature: _____</p> <p>Date: _____</p>
	<p style="text-align: right;">RECEIVED Office of Oil and Gas</p>
	<p style="text-align: right;">JUN - 7 2019</p>
	<p style="text-align: right;">WV Department of Environmental Protection</p>

Oil and Gas Privacy Notice:

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



47 05 02237

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
Division of Highways

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

Byrd E. White, III
Secretary of Transportation

May 8, 2019

Jimmy Wriston, P. E.
Deputy Secretary/
Acting Commissioner

James A. Martin, Chief
Office of Oil and Gas
Department of Environmental Protection
601 57th Street, SE
Charleston, WV 25304

Subject: DOH Permit for the Mason Pad, Marshall County
Mason M09H

Dear Mr. Martin,

The West Virginia Division of Highways has issued Permit #06-2019-0091 for the subject site to Chevron North America Exploration and Production Company for access to the State Road for the well pad located off of Marshall County Route 21/13 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 October 1, 2018.

Very Truly Yours,

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

Cc: Nikolai Softcheck
Chevron Appalachia, LLC
CH, OM, D-6
File

RECEIVED
Office of Oil and Gas
JUN - 7 2019
WV Department of
Environmental Protection

Hydraulic Fracturing Fluid Additives

Supplier	Name	Purpose
Universal	7.5% HCl Acid	Acid - To open perforations
Universal	Unislick ST50	Friction Reducer for Water and Brine (Anionic)
Universal	Scale Inhibitor A	Scale Inhibitor
Universal	Iron Control A	Iron Control
Universal	Unihib G	Corrosion Inhibitor for Acid
Universal	K-Bac 1020	Biocide/Bactericide
Universal	CMHPG (Polyfrac Gel)	Gel
Universal	LEB 10X	Gel Breaker
Universal	100 Mesh White Sand	Proppant
Universal	40-70 Mesh White Sand	Proppant

RECEIVED
Office of Oil and Gas

JUN - 7 2019

WV Department of
Environmental Protection



APPROVED WVDEP OOG

4/23/2019

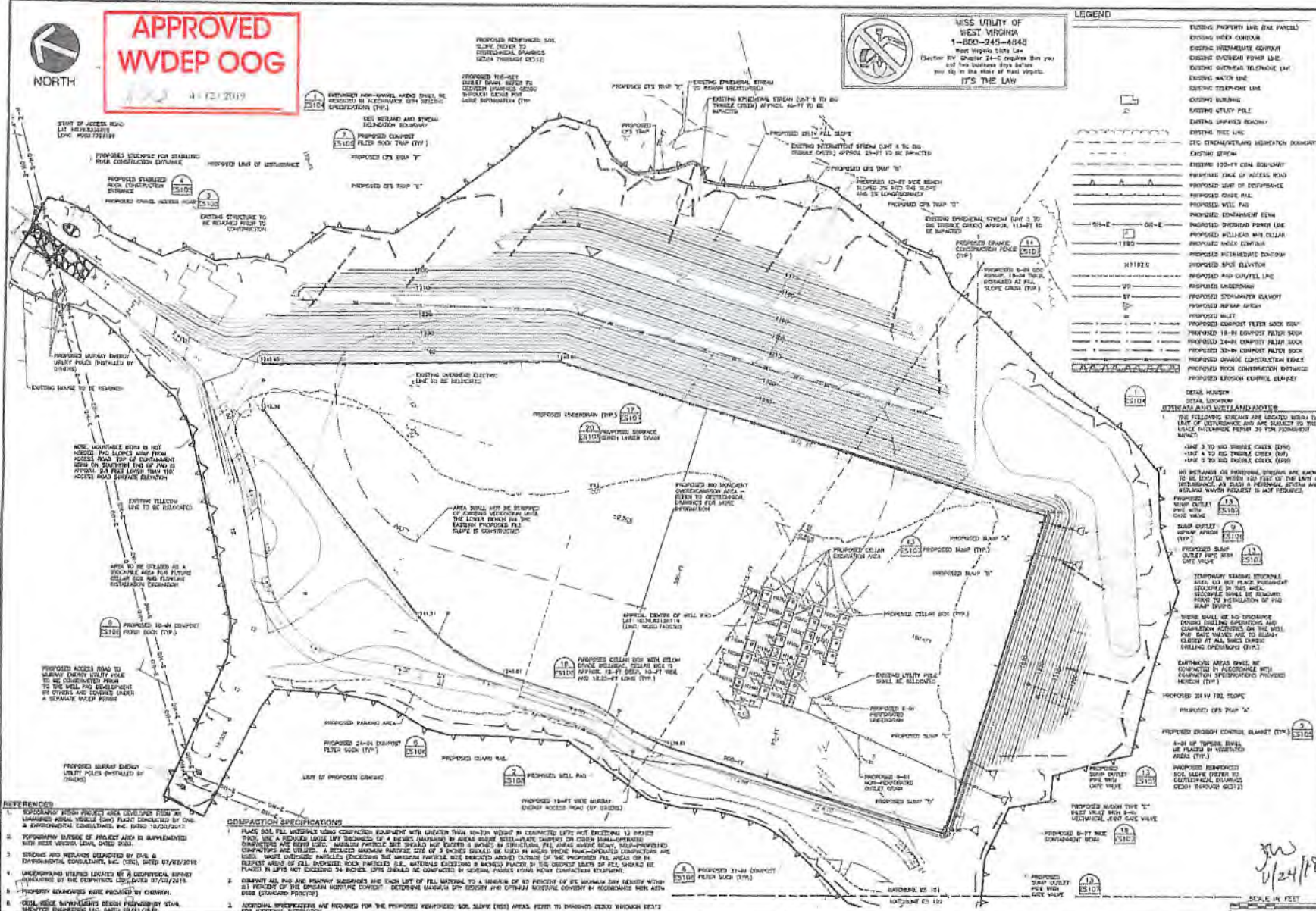
MISS UTILITY OF WEST VIRGINIA
 1-800-245-4648
 West Virginia State Law
 Chapter 21-C requires that you call the business days before you dig to the depth of your project.
IT'S THE LAW

LEGEND

EXISTING PROPERTY LINE (SEE PARCEL)
EXISTING DECK CONCRETE
EXISTING INTERMEDIATE CONDUIT
EXISTING OVERHEAD POWER LINE
EXISTING OVERHEAD TELEPHONE LINE
EXISTING WATER LINE
EXISTING TREATMENT LINE
EXISTING BUILDING
EXISTING UTILITY POLE
EXISTING IMPAVED ROADWAY
EXISTING TREE LINE
EXISTING STORM/SEWER INFILTRATION DRAINAGE
EXISTING STREAM
EXISTING 100-FT CORAL BOUNDARY
PROPOSED CORNER OF ACCESS ROAD
PROPOSED CORNER OF DISTURBANCE
PROPOSED CORNER OF ROAD
PROPOSED WELL PAD
PROPOSED DISTURBANCE BOUNDARY
PROPOSED INTERIOR POWER LINE
PROPOSED WELLS AND CELLAR
PROPOSED INTERMEDIATE CONDUIT
PROPOSED SPICE ELEVATION
PROPOSED PAD GRAVEL LAY
PROPOSED UNDERDRAIN
PROPOSED STORMWATER CATCHMENT
PROPOSED REPAIR ASPHALT
PROPOSED BUILT
PROPOSED CONDUIT FLEXIBLE SOFT TYP
PROPOSED 18-IN CONDUIT FLEXIBLE SOFT
PROPOSED 24-IN CONDUIT FLEXIBLE SOFT
PROPOSED 30-IN CONDUIT FLEXIBLE SOFT
PROPOSED OVERHEAD CONSTRUCTION FENCE
PROPOSED ROCK CONSTRUCTION BARRIERS
PROPOSED EROSION CONTROL BLANKET

REVISION RECORD

NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		



- REFERENCES**
1. "EROSION CONTROL MANUAL" (1997) PUBLISHED BY THE NATIONAL SEDIMENT CONTROL ASSOCIATION (NSCA).
 2. "CONSTRUCTION EROSION CONTROL MANUAL" (1997) PUBLISHED BY THE NATIONAL SEDIMENT CONTROL ASSOCIATION (NSCA).
 3. "SEDIMENTATION HANDBOOK" (1997) PUBLISHED BY THE NATIONAL SEDIMENT CONTROL ASSOCIATION (NSCA).
 4. "CONSTRUCTION EROSION CONTROL MANUAL" (1997) PUBLISHED BY THE NATIONAL SEDIMENT CONTROL ASSOCIATION (NSCA).
 5. "CONSTRUCTION EROSION CONTROL MANUAL" (1997) PUBLISHED BY THE NATIONAL SEDIMENT CONTROL ASSOCIATION (NSCA).
 6. "CONSTRUCTION EROSION CONTROL MANUAL" (1997) PUBLISHED BY THE NATIONAL SEDIMENT CONTROL ASSOCIATION (NSCA).
 7. "CONSTRUCTION EROSION CONTROL MANUAL" (1997) PUBLISHED BY THE NATIONAL SEDIMENT CONTROL ASSOCIATION (NSCA).
 8. "CONSTRUCTION EROSION CONTROL MANUAL" (1997) PUBLISHED BY THE NATIONAL SEDIMENT CONTROL ASSOCIATION (NSCA).
 9. "CONSTRUCTION EROSION CONTROL MANUAL" (1997) PUBLISHED BY THE NATIONAL SEDIMENT CONTROL ASSOCIATION (NSCA).
 10. "CONSTRUCTION EROSION CONTROL MANUAL" (1997) PUBLISHED BY THE NATIONAL SEDIMENT CONTROL ASSOCIATION (NSCA).

COMPACTION SPECIFICATIONS

1. PLACE SOIL, FILL MATERIALS USING COMPACTION EQUIPMENT WITH CAPACITY FROM 10-15 TONS WEIGHT IN COMPACTED LAYER NOT EXCEEDING 12 INCHES THICK. USE A REDUCED LAYER THICKNESS OF 4 INCHES MAXIMUM IN AREAS WHERE SOIL-PLATE CONTACT OR OTHER SPECIALIZED COMPACTORS ARE USED. MAXIMUM PARTICLE SIZE SHALL NOT EXCEED 3/8 INCH IN CONCRETE, FILL, GRAVEL, SAND, SAND-PROVED COMPACTORS ARE USED. A REDUCED MAXIMUM PARTICLE SIZE OF 3/8 INCH SHALL BE USED IN AREAS WHERE PUMP-OPERATED COMPACTORS ARE USED. MAXIMUM PARTICLE SIZE SHALL NOT EXCEED 3/8 INCH IN AREAS WHERE PUMP-OPERATED COMPACTORS ARE USED.
2. COMPACT ALL FILL AND FILL MASSES AND EACH LAYER OF FILL, MIXTURE TO A MINIMUM OF 95 PERCENT OF ITS MAXIMUM DRY DENSITY WITHIN 3 INCHES OF THE ORIGINAL MIXTURE DENSITY. DETERMINE MAXIMUM DRY DENSITY AND OPTIMUM MIXTURE DENSITY BY ACCORDANCE WITH ASTM TEST METHOD D 1557.
3. ADDITIONAL SUPERVISORS ARE REQUIRED FOR THE PROPOSED REINFORCED SOIL BERM (RSB) AREAS. REFER TO DRAWING C200 THROUGH PERMITS FOR ADDITIONAL INFORMATION.

DETAILS

DETAILS

DETAILS

EROSION AND SEDIMENT CONTROL PLAN (1) OF 2

Project Number: 122-111
 Drawing Scale: 1" = 40'
 Date Issued: 01/26/19
 Drawn By: DJM
 Checked By: JAA
 Project Manager: GJMT

ES 101

PREPARED FOR: CHEYRON APPALACHIA, LLC
 700 CHEYRON PARKWAY
 CHARLOTTE, NC 28202

RECEIVED
 of Oil and Gas
 4-7-2019

ENVIRONMENTAL CONSULTANTS, INC.
 4000 Thompson Lane, Suite 200 - Fayette, VA 24703
 753-237-2337 FAX 753-237-2338
 www.eciinc.com



REVISION RECORD