

west virginia department of environmental protection

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

Harold D. Ward, Cabinet Secretary www.dep.wv.gov

Friday, September 2, 2022 WELL WORK PERMIT Horizontal 6A / New Drill

SWN PRODUCTION COMPANY, LLC POST OFFICE BOX 12359 SPRING, TX 773914954

#### Re: Permit approval for YOCUM MSH 210H 47-051-02465-00-00

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.

Martin ames A Chief

Operator's Well Number: YOCUM MSH 210H Farm Name: YOCUM, JOSEPH LEE & MIC U.S. WELL NUMBER: 47-051-02465-00-00 Horizontal 6A New Drill Date Issued: 9/2/2022

Promoting a healthy environment.

# **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

- 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 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.
- During the completion process the operator shall monitor annular pressures and report any anomaly noticed to the chief or his designee immediately.
- 9. If any explosion or other accident causing loss of life or serious personal injury occurs in or about a well or well work on a well, the well operator or its contractor shall give notice, stating the particulars of the explosion or accident, to the oil and gas inspector and the Chief, within 24 hours of said accident.
- 10. During the casing and cementing process, in the event cement does not return to the surface, the oil and gas inspector shall be notified within 24 hours.

API Number:

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# **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.

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API NO. 47	02465
OPERATOR WELL	NO. Yocum MSH 210H
Well Pad Name:	Yocum MSH

STATE OF WEST VIRGINIA	
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS WELL WORK PERMIT APPLICATION	
Well Operator: SWN Production Co., LLC 494512924 051-Marshal 07-Liber 438-Littleton	
Operator ID County District Quadrangle	
2) Operator's Well Number: Yocum MSH 210H Well Pad Name: Yocum MSH	
B) Farm Name/Surface Owner: Joseph Lee & Michael D. Yocum Public Road Access: Amos Hollow Road	
b) Elevation, current ground: 1053' Elevation, proposed post-construction: 1053'	
5) Well Type (a) Gas X Oil Underground Storage Other	
(b)If Gas Shallow X Deep	
$\frac{\text{Horizontal } x}{\text{Yes or No} } \frac{\text{Yes}}{\text{Yes}} \qquad $	
•	
7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s): Target Formation- Marcellus, Down-Dip Well to the South, Target Top TVD- 7278', Target Base TVD- 7321", Anticipated Thickness- 43', Associated Pressure- 4759	
3) Proposed Total Vertical Depth: 7305'	
9) Formation at Total Vertical Depth: Marcellus	
10) Proposed Total Measured Depth: 22257'	
1) Proposed Horizontal Leg Length: 14548.10'	
2) Approximate Fresh Water Strata Depths: 437'	
3) Method to Determine Fresh Water Depths: Salinity Profile calculations from logs on Yocum MSH 1H API 47-051-02	133
14) Approximate Saltwater Depths: 986'- Salinity Profile calculations from logs on Yocum MSH 1H API 47-051-021	33
15) Approximate Coal Seam Depths: 881'	
6) Approximate Depth to Possible Void (coal mine, karst, other): None that we are aware of.	
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:	
Depth:	
Seam:	
Owner:Office of Oil and Gas	
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API NO. 47- 009 OPERATOR WELL NO. Yocum MSH 210H Well Pad Name: Yocum MSH

WW-6B (04/15)

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## **CASING AND TUBING PROGRAM**

ТҮРЕ	<u>Size</u> (in)	<u>New</u> <u>or</u> <u>Used</u>	Grade	<u>Weight per ft.</u> (lb/ft)	<u>FOOTAGE: For</u> <u>Drilling (ft)</u>	INTERVALS: Left in Well (ft)	<u>CEMENT:</u> <u>Fill-up</u> (Cu. Ft.)/CTS
Conductor	20"	New	J-55	94#	126'	126'	CTS
Fresh Water	13 3/8"	New	H-40	48#	530'	530'	512 sx/CTS
Coal	See	Interm	Casing				
Intermediate	9 5/8"	New	J/K-55	36/40#	2430'	2430'	851 sx/CTS
Production	5 1/2"	New	P-110 HP	20#	22257'	22257'	Tail 4070sx/ 100' Inside Intermediate
Tubing							
Liners							

MgK 6/16/2022

ТҮРЕ	Size (in)	<u>Wellbore</u> Diameter (in)	<u>Wall</u> <u>Thickness</u> <u>(in)</u>	<u>Burst Pressure</u> (psi)	Anticipated Max. Internal Pressure (psi)	<u>Cement</u> <u>Type</u>	<u>Cement</u> <u>Yield</u> (cu. ft./k)
Conductor	20"	30"	0.25	2120	81	Class A	1.20/30% Excess
Fresh Water	13 3/8"	17.5"	0.380	2730	633	Class A	1.20/30% Excess
Coal	See	Interm	Casing				
Intermediate	9 5/8"	12 1/4"	0.395	3950	1768	Class A	1.19/40% Excess
Production	5 1/2"	8 3/4"-8 1/2"	0.361	14360	10500	Class A	1.19/5% Excess
Tubing							
Liners							

# **PACKERS**

Kind:		
Sizes:		
Depths Set:		

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

Drill and stimulate any potential zones between and including the Benson to Marcellus. \*\*If we should encounter a void place basket above and below void area- balance cement to bottom of void and grout from basket to surface or run external casing packer/cementing stage tool above void interval and perform 2 stage cementing operation dependent upon depth of void. Run casing not less than 20' below void nor more than 75' below void. (\*If freshwater is encountered deeper than anticipated it must be protected, set casing 50' below and cts.)

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

Well will be perforated within the target formation and stimulated with a slurry of water, sand, and chemical additives at a high rate. This will be performed in stages with the plug and perf method along the wellbore until the entire lateral has been stimulated within the target formation. All stage plugs are then drilled out and the well is flowed back to surface. In some instances, additional toe prep may be performed by pumping additional water in the toe of the well prior to perforating and pumping Stage 1 to ensure that the toe guns/toe sleeves are fully open prior to pumping stage 1. The well is produced through surface facilities consisting of high pressure production unites, horizontal separation units, water and oil storage tanks. Max press and anticipated max rate- 12,500 psi @ 100 barrels a minute.

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 27.93

22) Area to be disturbed for well pad only, less access road (acres): 16.97

23) Describe centralizer placement for each casing string:

All casing strings will be ran with a centralizer at a minimum of 1 per every 3 joints of casing.

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

See Attachment \*\*\*

# 25) Proposed borehole conditioning procedures:

All boreholes will be conditioned with circulation and rotation for a minimum of one bottoms up and continuing until operator is satisfied with borehole conditions. RECEIVED Office of Oil and Gas

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\*Note: Attach additional sheets as needed.

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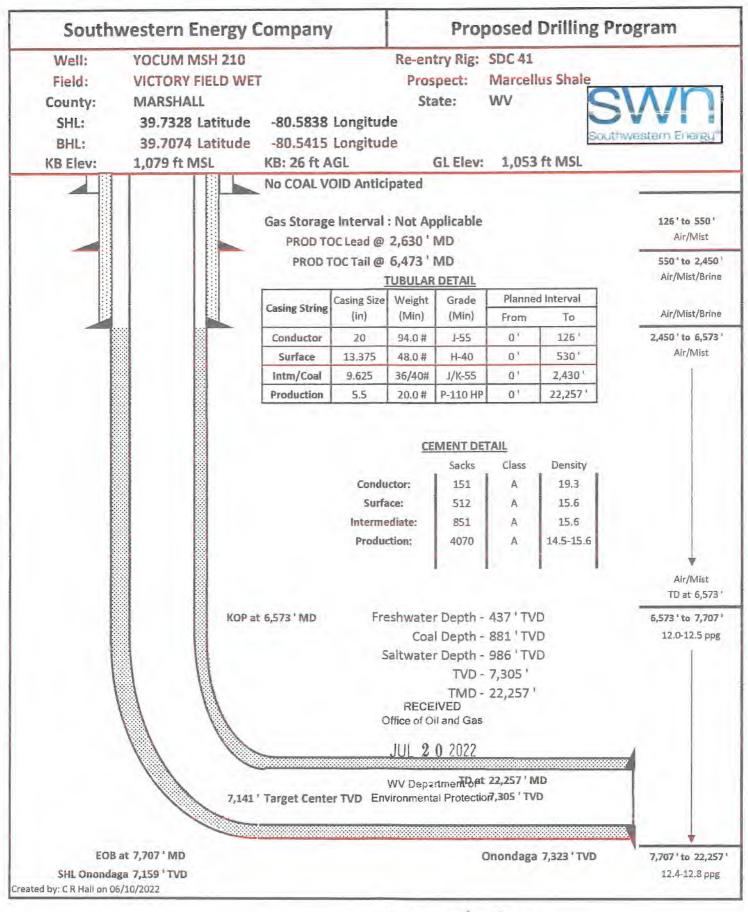


			CEMENT A	ADDITIVES		
INTERVAL	SCHLUMBERGER PRODUCT NAME	BJ PRODUCT NAME	NEXTIER PRODUCT NAME	PRODUCT USE	CHEMICAL NAME	CAS-Number
SURFACE (FRESHWATER)	$\ge$	INTEGRA SEAL	CJ600	LOST CIRC MATERIAL	CELLOPHANE FLAKES	9005-81-6
up to 3%	S001	A-7P	CJ110	ACCELERATOR	CALCIUM CHLORIDE	10043-52-4
COAL PROTECTION	$\geq$	INTEGRA SEAL	CJ600	LOST CIRC MATERIAL	CELLOPHANE FLAKES	9005-81-6
up to 3%	S001	A-7P	CJ110	ACCELERATOR	CALCIUM CHLORIDE	10043-52-4
	D020	BENTONITE	CJ020	EXTENDER	BENTONITE	1302-78-9
	D047	FP 28L	$\bowtie$	LIQUID ANTIFOAM AGENT	POLYPROPYLENE GLYCOL	25322-69-4
INTERMEDIATE	$\geq$	INTEGRA SEAL	CJ600	LOST CIRC MATERIAL	CELLOPHANE FLAKES	9005-81-6
	CemNet	CemNet		LOST CIRC MATERIAL	COATED FIBERGLASS FIBERS	PROPRIETAR
	SUGAR	SUGAR	CJ795	CMT RETARDER	SUCROSE	57-50-1
	S001	A-7P	CJ110	ACCELERATOR	CALCIUM CHLORIDE	10043-52-4
	> <	$>\!\!<$	CJ111	ACCELERATOR	SODIUM CHLORIDE	7440-23-5
	$\geq$	SS-11W	CJ880	) SURFACTANT SURFACTANT		6540-99-4
	D047	FP 28L	$\times$	LIQUID ANTIFOAM AGENT	POLYPROPYLENE GLYCOL	25322-69-4
	$\ge$	$\times$	CJX157011	SOLID ANTIFOAM AGENT	FULLERS EARTH(ATTAPULGITE)	8031-18-3
	$\boldsymbol{\succ}$	$\searrow$	CJ540	HP FLUID LOSS ADDITIVE	ALIPHATIC AMIDE POLYMER	PROPRIETAR
PRODUCTION	D255	$\times$	$\times$	MED TEMP FLUID	POLYACRILIC POLYMER	PROPRIETAR
	$>\!\!<$	$\sim$	CJ213	RETARDER	CHRYSTALLINE SILICA	14808-60-7
	$\geq$	FL-66	CJ501	LOW TEMP FLUID LOSS ADD	POWDERED POLYSACCHARIDE	PROPRIETAR
	>>	BENTONITE	CJ020	EXTENDER	BENTONITE	1302-78-9
	D208	ASA-301	$\times$	VISCOSIFIER/ANTI- SETTLING AGENT	REFINED POLYMER/ CHRYSTALLINE SILICA	PROPRIETAR
	D198	R-3		CEMENT RETARDER	LIGNIN	8068-51-6
	SUGAR	SUGAR	CJ795	CEMENT RETARDER	SUCROSE	57-50-1

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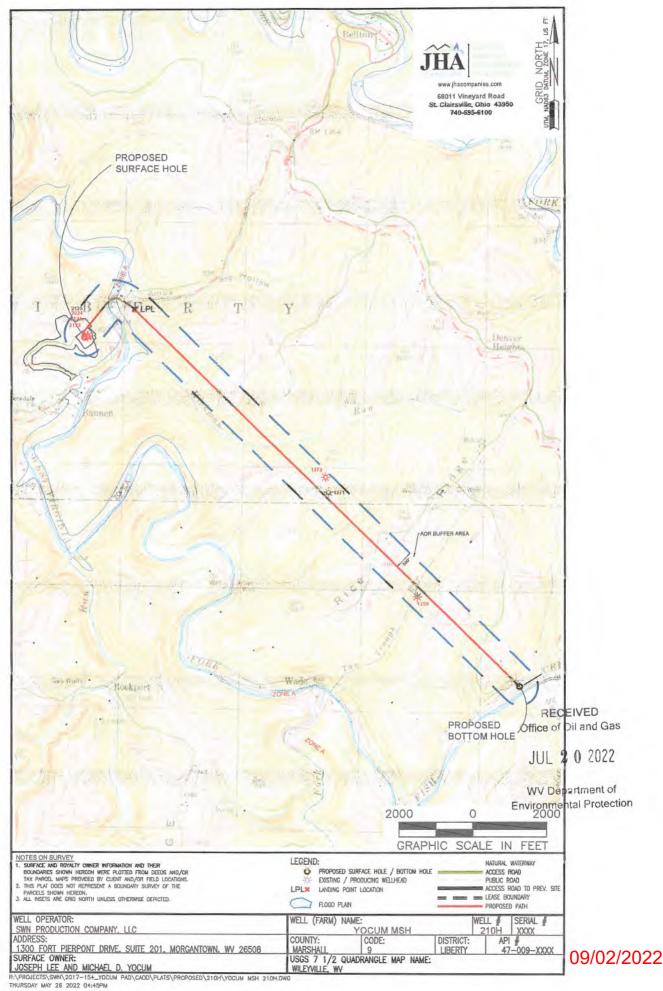
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	Yocum MSH 210H AOR	<u>.</u>			<u> </u>		
API	Operator	Status	Latitude	Longitude	Vertical TD	<b>Producing Formation</b>	Producing Zones Not Perforated
51-02125	SWN PRODUCTION COMPANY	ACTIVE	39.732972	-80.583495		Marcellus	Big Injun, Maxton Sand
51-02024	SWN PRODUCTION COMPANY	ACTIVE	39.732954	-80.583522		Marcellus	Big Injun, Maxton Sand
51-02124	SWN PRODUCTION COMPANY	ACTIVE	39.732936	-80.583549		Marcellus	Big Injun, Maxton Sand
51-02133	SWN PRODUCTION COMPANY	ACTIVE	39.732919	-80.583576	19465'	Marcellus	Big Injun, Maxton Sand
051-01270	CNX GAS COMPANY LLC	NEVER DRILLED	39.722733	-80.560470			
051-01271	CNX GAS COMPANY LLC	NEVER DRILLED	39.721633	-80.560156			
103-01209	ENERGY CORPORATION OF AMERICA	NEVER DRILLED	39.713996	-80.551482			
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WW-9 (4/16)

API Number	47 -	051
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Operator's Well No. Yocum MSH 210H

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

#### FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name_SWN Production Co., LLC	OP Code 494512924
Watershed (HUC 10) Upper Ohio South	Quadrangle Littleton
Do you anticipate using more than 5,000 bbls of water to will a pit be used? Yes No	complete the proposed well work? 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 Wast	es:
Land Application Underground Injection (UIC F Reuse (at API Number_At the no Off Site Disposal (Supply form Other (Explain_recovery and so	n WW-9 for disposal location)
Will closed loop system be used? If so, describe: Yes- So	ee Attachment 3A
Drilling medium anticipated for this well (vertical and hor	izontal)? Air, freshwater, oil based, etc. Air drill to KOP, Ruid drill with SOBM from KOP to TD
-If oil based, what type? Synthetic, petroleum, et	tc. Synthetic Oil Base
Additives to be used in drilling medium? Attachment 3B	
Drill cuttings disposal method? Leave in pit, landfill, rem	oved offsite, etc. landfill

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

-Landfill or offsite name/permit number? Meadowfill SWF- 1032, Short Creek SWF-1034, Carbon Limestone MSWL018781, Wetzel County 1021 Apex Sanitary Landfill Ub-U8438, Brooke Co SVVF-7013,

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 KAttta My MOOdy	Office of Oil and Gas
Company Official (Typed Name) Brittany Woody	JUL 2 0 2022
Company Official Title Senior Regulatory Analyst	WV Department of

day of June

Subscribed	and	sworn	before	me	this	
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Notary Public

My commission expires

REID CROFT Notary Public Official Seal State of West Virginia My Comm. Expires Aug 21, 2024 47 Sparrow Lane Morgantown WY 26508

Environmental Protection

# SWN Production Co., LLC

Proposed Revegetation Treatr	ed_27.93	Prevegetation pH		
Limeas determined by pH tes	Tons/acre or to	correct to pH		
Fertilizer type 10-2	0-20			
Fertilizer amount_60	00/500	lbs/acre		
<sub>Mulch</sub> Hay/Straw	,	Tons/acre		
		Seed Mixtures		
Ter	nporary		Perman	nent
Seed Type	lbs/acre		Seed Type	lbs/acre
Attachment 3C				
•••••••••••••••••••••••••••••••••••••••		<u> </u>		

#### 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.

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Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Harmen Knt	
Comments:	
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tle: Oil & Gas Inspector Date: Co	RECEIVED Office of Oil and Gas JUL 2 0 2022
eld Reviewed? (X) Yes () No	JUL 2 0 2022
	WV Department of

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#### Attachment 3A

#### **CLOSED LOOP SYSTEM**

The closed loop system is designed to eliminate the use of reserve pits by providing a higher level of solids control processing and using steel pits for capture of drill cuttings. The cuttings are then processed to achieve landfill requirements before hauling to approved landfills. The liquids are processed to recycle into the active mud system or to transfer to onsite temporary storage as needed.

The closed loop system consists of several sets of a shale gas separator (often called a 'methana'), several banks of solids shakers, high speed centrifuges (1 or 2) used to process the fluid portion of the mud system to remove low gravity solids, low speed centrifuge used for barite recovery in high weight liquid drilling systems, a dewatering system (for air intervals and if freshwater mud systems are in use) used to further clean liquids by flocculation and additional mechanical separation, associated open top tanks for processing liquids and capturing solids for disposal, and transfer pumps to move fluids through the processes. There is an area adjacent to the cuttings tanks (Red Zone) where a track hole is utilized to recover the processed cuttings for loading into containers for hauloff. (See attached schematic of a generic closed loop system layout)

Below are discussions of the processes used when drilling the air interval or liquids interval.

#### AIR DRILLING INTERVALS

During air drilling operations, flow from the rig will pass down the flowline to the Shale Gas Separater (sometimes called a methane) where gas and liquids/solids are separated. Gas is sent to the flare scrubber tank and is flared at the flare stack. Solids and fluids pass across a shaker system to separate solids from liquids. Solids pass into the cuttings tanks where they are captured for drying and hauloff to an approved landfill site. Liquids fall into a shaker tank and are collected by a centrifugal pump to be processed by the high speed centrifuge to further separate liquids and solids. Solids are then dumped into the cuttings tank for drying and hauloff. Liquids are further processed to remove additional low gravity solids before being reused or transferred to onsite storage.

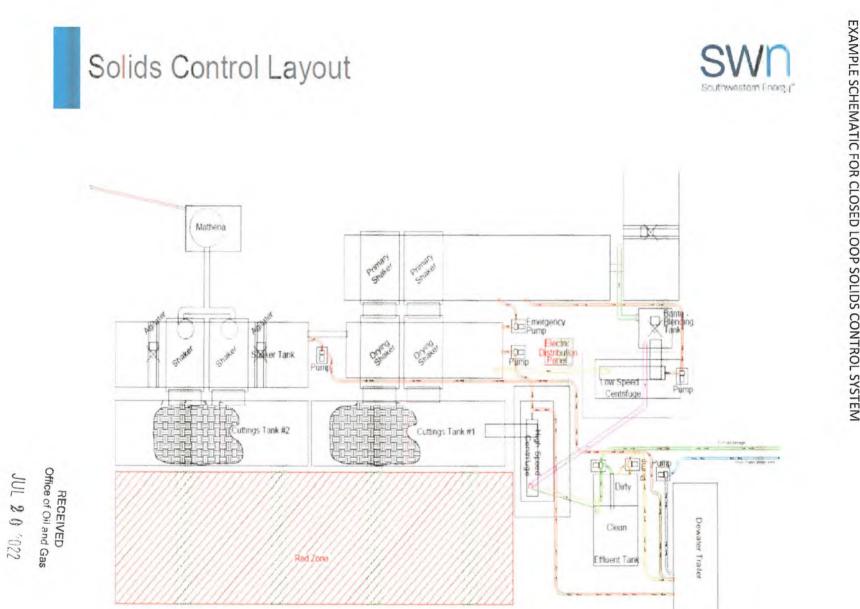
#### LIQUIDS DRILLING (FRESHWATER, BRINE, SOBM)

When drilling is converted to liquids drilling, the shale gas separator and associated shaker tank are bypassed, and the liquids system is processed over the primary and drying shaker systems. Cuttings drop into the cuttings tank for additional processing. Any recoverable associated liquids attached to the cutting are recovered out the tank and processed through the low gravity (high speed) and barite recovery centrifuges (low speed) to further remove low gravity solids and to recover barite for reuse in the mud systems.

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EXAMPLE SCHEMATIC FOR CLOSED LOOP SOLIDS CONTROL SYSTEM

WV Dep. Iment of Environmental Protection

# **Attachment 3B**

# **Drilling Mediums**

# Surface/Coal(if present)/Freshwater Intervals:

Air

Freshwater (if needed based on conditions)

# Intermediate/Coal (if present):

Air

# **Production Hole:**

Air

Synthetic Oil (Base Fluid for mud system)

Barite

**Calcium Chloride** 

Lime

Organophilic Bentonite

**Primary and Secondary Emulsifiers** 

Gilsonite

**Calcium Carbonate** 

**Friction Reducers** 

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			Attachme	ent 3C			
Southwestern Energy"		WVD Seeding	Specification			Rt	•V+°
To Order Se	eed contact Lyndsi Ede	dy Flippo office 570-996-4271 cell 501-26	9-5451 lyndsi_eddy@swn.com (please allow 7 to 10	) days for delive	ery)		-
NON-ORGANIC PROPERTIES			ORGANIC PROPERTIES				
Seed Mixture: ROW Mix	SWA	I Supplied	Seed Mixture: SWN Production Organi	ic Mix S	WN Supplied		
Orchardgrass Fimothy Annual Ryegrass Brown Top Millet Red Top Medium Red Clover White Clover Birdsfoot Trefoil Rough Bluegrass Apply @ 100lbs per acre April 16th- Oct. 14th	C	All legumes are innoculated at 5x normal rate Apply @ 200lbs per acre Oct. 15th- April 15th PLUS	Organic Timothy Organic Red or White Clover OR Organic Perennial Ryegrass Organic Red or White Clover Apply @ 100lbs per acre April 16th- Oct. 14th Organic Fertilizer @ 200lbs per Acre		Apply @ 2001 Oct. 15th- April Pelletized Lime @ 2 To	15th	Environmental Protection
SOIL AMENDMENTS	501	bs per acre of Winter Wheat	WETLANDS (delineated as jurisdic Seed Mixture: Wetland Mix		Supplied		
10-20-20 Fertilizer Pelletized Lime		Apply @ 500lbs per Acre Apply @ 2 Tons per Acre otherwise dictated by soil test results	VA Wild Ryegrass Annual Ryegrass Fowl Bluegrass	20% 20% 20%	Supplied		
Seeding Calculation Information:			Cosmos 'Sensation'	10%			
1452' of 30' ROW/LOD is One Acre 871' of 50' ROW/LOD is One Acre 622' of 70' ROW/LOD is One Acre			Redtop Golden Tickseed Maryland Senna Showy Tickseed	5% 5% 5%			
Synopsis:			Fox Sedge	2.5%			
Every 622 linear feet in a 70' ROW/LOD, bags of fertilizer and (80) 50lb bags of Li Wheat/ac).			Soft Rush Woolgrass Swamp Verbena	2.5% 2.5% 2.5%			
Special Considerations: Landowner Special Considerations including guidance that is not given here. Discuss the	the second s	Mark Set for a solar solar control of the set of the se	Apply @ 25lbs per acre April 16th- Oct. 14th NO FERTILIZER OR LIM		Apply @ 50lbs pe Oct. 15th- April :		

Rev.3/30/2022

# MARCELLUS WELL DRILLING PROCEDURES AND WELL SITE SAFETY PLAN



SWN Production Company, LLC 1300 Fort Pierpont Drive, Suite 201 Morgantown, West Virginia 26508

# API NO. 47-XXX-XXXXX WELL NAME: Yocum MSH 210H Littleton QUAD Liberty DISTRICT Ohio COUNTY, WEST VIRGINIA

Submitted by:

Name: Brittany Woody

Date: 5/31/2022

Title: Senior Regulatory Analyst

SWN Production Co., LLC

Approved by:

Name:

Date: 6/16/2022

Title: \_\_\_

Approved by:

Name:	

Date:

Title:

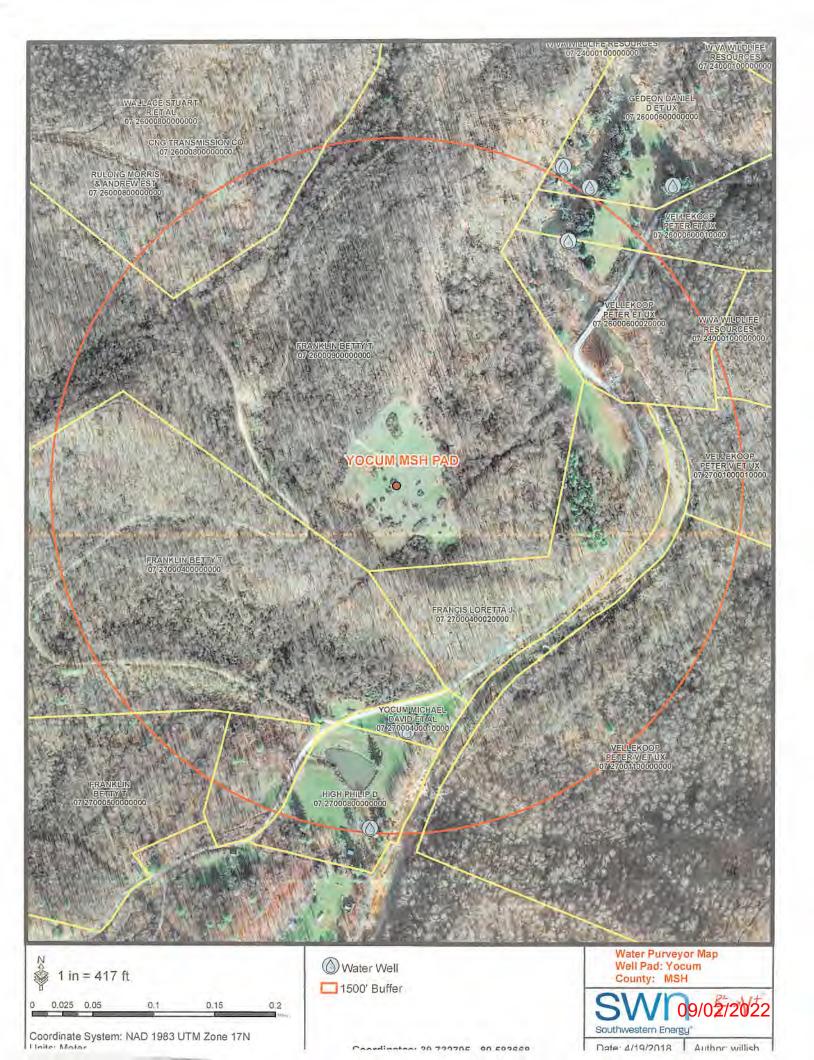
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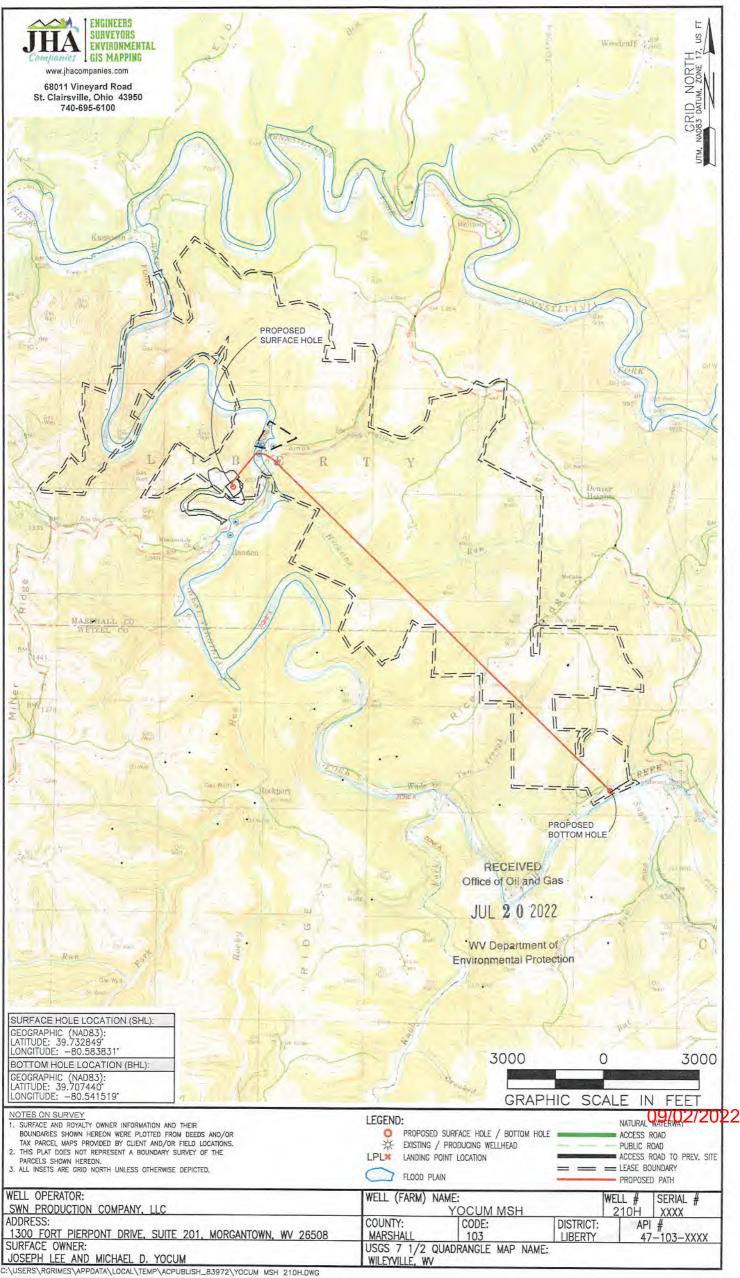
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SWN PRODUCTION COMPANY, LLC - CONFIDENTIAL

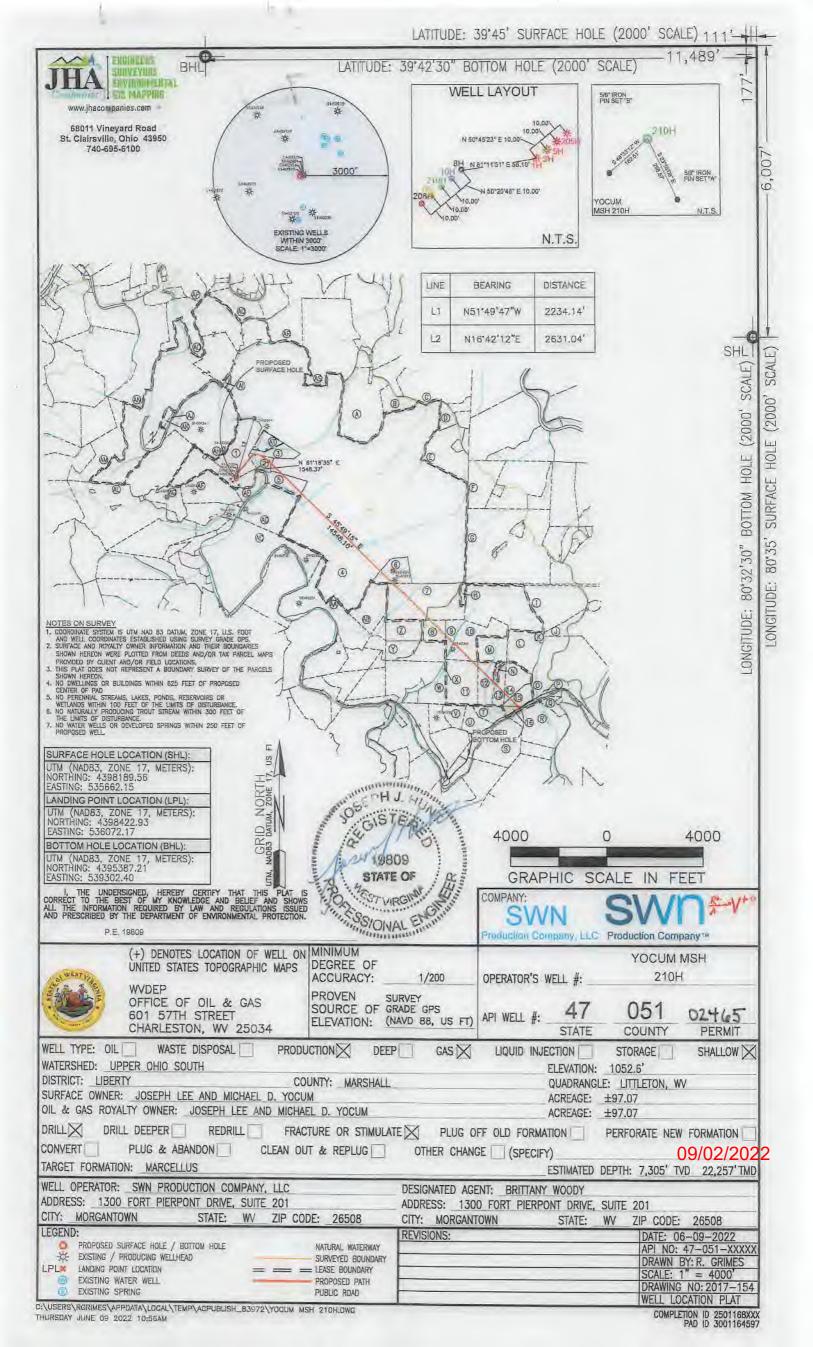
WV Dep- iment of Environmental Protection

09/02/2022





THURSDAY JUNE 09 2022 10:56AM



		WELL BORE TABLE FOR SURFACE/ROYALTY OWNER		
	TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL	
	1 TRACT	YOCUM JOSEPH LEE & MICHAEL D SURFACE OWNER	7-26-9 TAX PARCEL	
	2	VELLEKOOP PETER B ET UX - TOD	7-26-6.2	
	3	VELLEKOOP PETER B ET UX - TOD	7-26-6.1	
	4	W VA WILDLIFE RESOURCES SECTION	7-24-1	
	5	VELLEKOOP PETER B ET UX - TOD	7-27-10.1	
	6	WADE MICHAEL CLAY & MCCELLAND LAWRENCE W - TOD ET AL	7-24-6	
	7	ABEREGG D W EST & ABEREGG WILLIAM D ETAL L/E ABEREGG DA	1-3-2	
	8	WILLIAMS JOHN EDWARD	1-3-9	
	9	JOHNSON VERNON S EST	3-1-1	
	10	DRAHEIM HERBERT P ET AL	3-1-6	
	11	DRAHEIM GARY WAYNE JR ETAL	3-1-9	
	12	DRAHEIM GARY WAYNE JR ETAL	3-1-10	
	13	MILLIKEN KEVIN R ETAL	3-1-12	
	14	MILLIKEN KEVIN R ETAL	3-1-13	
	1.5	GORBY GREGORY A & CYNTHIA D	3-1-14	
	16	WAYNE CARMINT REALTY	3-1-18	
		ADJOINING OWNERS TABLE		
	TRACT	SURFACE OWNER	TAX PARCEL	
	А	GRESHAW JASON M & MARY L	7-25-2	
	В	BROWN ANDREW C III	7-25-6	
	C	HARRINGTON CLYDE F	7-25-7	
	D	W VA DEPT OF COMMERCE DIV OF NATURAL RESOURCES	7-25-9	
	É	CONAWAY THOMAS EARL JR & CAROLYN K STOWE	7-25-12	
	F	CONAWAY THOMAS E	7-23-1	
	G	PRENDERGAST MICHAEL J & SUELLEN LEMLEY	7-23-26	
	H	LONG LONNY DAVID & LINDA SUE	1-3-2.1	
	1	PRENDERGAST MICHAEL J & SUE ELLEN	3-1-2	
	J	TEDROW CATHERINE A L/E TEDROW WILLIAM C II	3-2-2.1	
	K	WV MINERALS INC	3-1-3	
	L	MILLIKEN KEVIN R ETAL	3-1-4	
	M	DRAHEIM HERBERT P ETAL	3-1-5	
	N	MILLIKEN KEVIN R ETAL	3-1-11	
	0	MCDIFFITT WILBERT(WEBB)H TRUST	3-1-35	
	Р	DERBY STEVEN W & REGINA D	3-1-16	
	Q	HIX CORA	3-2-24	
	R	ROBERTS LARRY D & SHARON K	3-1-33	
	S	MIKE ROSS INC	3-1-32	
	т	WAYNE CARMINT REALTY LLC	3-1-19	
	U	WAYNE CARMINT REALTY LLC	3-1-20	
	V	WAYNE CARMINT REALTY LLC	3-1-21	
	W	MILLIKEN KEVIN R ETAL	3-1-8	
	Х	CBC HOLDINGS LLC	3-1-8.1	
	Y	WILLIAMS JOHN EDWARD	1-3-8	
	Z	WILLIAMS LONNIE L	1-3-7	
	AA	SEIDLER EARL DALE & NETTIE	1-2-6.1	
	AB	WILLIAMS KATHERINE E TRUST	1-3-1	
	AC	VELLEKOOP PETER B ET UX - TOD	7-27-13	
	AD	VELLEKOOP PETER B ET UX - TOD	7-27-11	
	AE	STIPETICH SUSAN F & FRANK R	7-27-4.2	
	AF	YOCUM JOSEPH LEE & MICHAEL D	7-27-4	
	AG	HORNER DELORSE A	7-26-10	
	AH	CONSOLIDATED GAS SUPPLY CORP	7-26-8	
	A	BUZZARD COLIN R	7-26-3	
	AJ	BUTLER JOHN M & LISA A	7-26-11.1	
	AK	HUNDRED RESOURCES INC	7-26-11	
	AL	RIGGS JOHN E JR & DELANA.	7-27-2	
	AM	MORGAN JAMES E - LIFE	7-26-14	
	AN	GRIBBEN M PEGGY REVOCABLE LIVING TRUST	7-19-28	
	AO	FROMHART BRAD ET UX - LIFE	7-20-41	
	AP	UNDERDONK ALAN	7-16-25.1	
	AQ	BURLEY AMMON ET UX	7-20-12	
	AR	BURLEY AMMON A	7-20-24	
	AS	BURLEY AMON A	7-20-37	09/02/2
	AT	GEDEON DANIEL D ET UX	7-26-6	
SIONS:				
		COMPANY: SWN Production Company, LLC		SWN <sup>#</sup> -V <sup>+</sup> <sup>®</sup> Production Company™
		OPERATOR'S YOCUN		DATE: 06-09-2022 API NO: 47-051-XXXX
		WELL #: 47-051-02465 210	Π	DRAWN BY:R. GRIMES
		DISTRICT: COUNTY: LIBERTY MARSHALL	STATE:	DRAWN BY:R. GRIMES SCALE: N/A DRAWING NO:2017-154

### 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 Exhibit

\*Co-tenancy utilization - At least 7 mineral owners in tract and at least 75% of the royalty owners have consented to the lawful use or development of the oil or natural gas mineral property on the tract. The interests of the remaining co-tenants will be secured pursuant to the Co-tenancy Modernization and Majority Protection Act.

#### 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:	SWN Production Company, LLC
By:	lenn
Its:	Staff Landman

Fract # <sup>#</sup>	Tax Parcel	The second se	lessee	Royalty	BK/PG	% Interest Not Leased by SWN
1	7-26-9			L	a station (1977) d	0.00%
-	p/o 7-26-9	W.E. Franklin, Ira M. Franklin & Emma Franklin,	L.F. Burley	13.75%	186/284	
	(86.103 ac)	husband and wife, John A. Franklin & Mollie Franklin,				DEC
		husband and wife, Mary S. Franklin, widow, M.J.				Office of D AUG 1
		Brooks & Clint Brooks, wife and husband, Edith White				
		& J.F. White, wife and husband, and Laura Franklin,				Alle J
		widow				AUG I
		L.F. Burley Heirs	The Manufacturers Light and Heat Company		2/269	WV Dəparti Environmenta
						En. WV Depart
		The Manufacturers Light and Heat Company	Columbia Gas Transmission Corporation		422/204	LIVIronmenta
		Columbia Gas Transmission Corporation	Columbia Natural Resources, LLC		642/281	
		Columbia Gas Transmission Corporation	Chesapeake Appalachia, LLC		662/322	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		36/422	
	p/o 7-26-9				200 4000	
	(30.7 ac)	I.D. Franklin and Bessie J. Franklin, his wife	The Manufacturers Light and Heat Company	12.50%	209/168	
		The Manufacturers Light and Heat Company	Columbia Gas Transmission Corporation		422/204	
		Columbia Gas Transmission Corporation	Columbia Natural Resources, LLC		642/281	
		Columbia Gas Transmission Corporation	Chesapeake Appalachia, LLC		662/322	i
		Chesapeake Appalachia, LLC	Statoilhydro USA Onshore Properties Inc.		675/279	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	
		Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		33/424	
2	7-26-6.2					0.00%
		Harold Koontz and Margaret G. Koontz	The Manufacturers Light and Heat Company	12.50%	360/239	
		The Manufacturers Light and Heat Company	Columbia Gas Transmission Corporation		422/204	
		Columbia Gas Transmission Corporation	Columbia Natural Resources, LLC		642/281	
		Columbia Gas Transmission Corporation	Chesapeake Appalachia, LLC		662/322	
		Chesapeake Appalachia, LLC	Statoil USA Onshore Properties Inc.		675/279	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	
		Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		33/424	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		36/422	
3	7-26-6.1	Harold Koontz and Margaret G. Koontz	The Manufacturers light and Heat Company	12.50%	360/239	0.00%
		•	The Manufacturers Light and Heat Company	12.50%	-	
		The Manufacturers Light and Heat Company	Columbia Gas Transmission Corporation		422/204	
		Columbia Gas Transmission Corporation	Columbia Natural Resources, LLC		642/281	
		Columbia Gas Transmission Corporation	Chesapeake Appalachia, LLC		662/322	
		Chesapeake Appalachia, LLC	Statoil USA Onshore Properties Inc.		675/279	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	
		Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		33/424	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		36/422	
4	7-24-1					
•	p/o 7-24-1					0.00%
	Subtract 16					
	being 35 acres	Harold Koontz and Margaret G. Koontz	The Manufacturers Light and Heat Company	12.50%	360/239	
		The Manufacturers Light and Heat Company	Columbia Gas Transmission Corporation	12.3070	422/204	
		Columbia Gas Transmission Corporation				
		•	Columbia Natural Resources, LLC		642/281	
		Columbia Gas Transmission Corporation	Chesapeake Appalachia, LLC		662/322	
		Chesapeake Appalachia, LLC	Statoil USA Onshore Properties Inc.		675/279	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	
		Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		33/424	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		36/422	
	p/o 7-24-1 Subtract 22					0.00%
	being 128	Varia M. Druckman, a with w	THE should be the			
	acres	Voncile W. Baughman, a widow	TH Exploration, LLC SWN Production Company, LLC and Statoil USA	15%	878/292 41/299	
		TH Exploration, LLC	Onshore Properties, Inc.		41/233	
			,,,, ,, , ,, , , , , , , , , , , , , , , , , , , ,			
		Christopher Claude Baughman, a/k/a Christopher C.				E Contraction of the second seco
		Baughman, a married man dealing in his sole and				
			TH Exploration, LLC	17%	879/320	
		Baughman, a married man dealing in his sole and	TH Exploration, LLC SWN Production Company, LLC and Statoil USA Onshore Properties, Inc.	17%	879/320 41/299	

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					1	1
	Harry Reid Cummings and Joyce M. Cummings, a/k/a				ł	
	Joyce Marie Cummings, Trustees of the Harry Reid				1	
	Cummings and Joyce M. Cummings Living Trust, under					
	Memorandum of Trust dated October 12, 2010, and					
	recorded in Book 10 page 529 in Marshall County	TH Exploration, LLC	15%	874/321		
		SWN Production Company, LLC and Statoil USA	13/0	41/299		
		Onshore Properties, Inc.		74/200	I	
		Onanora rioparata,			0	RECENTER
	Dorothy Sullivan, a/k/a Dorothy E. Sullivan, a/k/a				Ut	ice of Oil 2nd
	Dorothy Elizabeth Sullivan, a widow, appearing herein by and through James Rein Sullivan, her Agent and					Strand Gas
	Attorney-In-Fact, by Durable Power of Attorney dated				A	RECEIVED Fice of Oil and Gas UG <b>1 9</b> 2022
	April 27th, 1998, and unrecorded in Marshall County,					~~~ <i>~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~</i>
	West Virginia	TH Exploration, LLC	15%	876/43	_ WV	Dan
		SWN Production Company, LLC and Statoil USA		41/299	Enviror	mental ment of
	TH Exploration, LLC	Onshore Properties, Inc.				Department of mental Protection
	Nelson G. Baughman, III, a/k/a Nelson G. Baughman, a					
	married man dealing in his sole and separate property		15%	876/183		
		SWN Production Company, LLC and Statoil USA		41/299		
	TH Exploration, LLC	Onshore Properties, Inc.				
	Sarah C. McLaughlin, a/k/a Sarah Cummings					
	McLaughlin and John W. McLaughlin, Co-Trustees of					
	the Sarah C. McLaughlin Revocable Trust, under					
	Memorandum of Trust dated October 13, 2010, and					
	recorded in Book 10 page 525 in Marshall County		450/	070/71		
	West Virginia	TH Exploration, LLC	15%	873/71		
	TH Exploration, LLC	SWN Production Company, LLC and Statoil USA Onshore Properties, Inc.		41/299		
p/o 7-24-1					0.00%	
Subtract 24						
being 54.085	William D. Bonar and Gloria A. Bonar, his wife	Chesapeake Appalachia, L.L.C.	17%	746/271		
acres	Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.	1770	27/50		
				33/110		
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC				
	Chesapeake Appalachia, L.L.C.	SWN Exchange Titleholder LLC	1 70/	33/424		
	Lee D. Bonar and Bonnie M. Bonar, his wife	Chesapeake Appalachia, L.L.C.	17%	747/270		
	Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.		27/50		
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110		
	Chesapeake Appalachia, L.L.C.	SWN Exchange Titleholder LLC	470/	33/424		
	Bruce D. Bonar And Sandra C. Bonar, his wife	Chesapeake Appalachia, L.L.C.	17%	751/608		
	Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.		27/50		
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110		
	Chesapeake Appalachia, L.L.C.	SWN Exchange Titleholder LLC		33/424		
	John Bernard Smith and Ethel Rose Smith, his wife	Chesapeake Appalachia, L.L.C.	17%	748/436		
	Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.		27/50		
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110		
	Chesapeake Appalachia, L.L.C.	SWN Exchange Titleholder LLC		33/424		
	• • • •			·		
	George Leroy Smith and Evelyn F. Smith, his wife	Chesapeake Appalachia, L.L.C.	17%	748/442		
	Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.		27/50		
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110		
	Chesapeake Appalachia, L.L.C.	SWN Exchange Titleholder LLC		33/424		
	Russell Lee Smith and Marybelle Smith, his wife	Chesapeake Appalachia, L.L.C.	170/	747/672		
	• •		17%	747/623		
		Statoil USA Onshore Properties, Inc.		27/50		
		SWN Production Company, LLC SWN Exchange Titleholder LLC		33/110 33/424		
	Joseph W. Caseman and Gretchen V. Caseman, his	SWN Exchange Intendider LLC		33/424		
		Chesapeake Appalachia, L.L.C.	17%	747/600		
	Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.		27/50		
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110		
	Chesapeake Appalachia, L.L.C.	SWN Exchange Titleholder LLC		33/424		
	·····					
		Chesapeake Appalachia, L.L.C.	17%	748/401	i	
		Statoil USA Onshore Properties, Inc.		27/50		
		SWN Production Company, LLC		33/110		
		SWN Exchange Titleholder LLC		33/424		
		Chesapeake Appalachia, L.L.C.	17%	750/111		
	Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.		27/50		

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Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
Chesapeake Appalachia, L.L.C.	SWN Exchange Titleholder LLC		33/424	
Richard Cunliffe Edwards, a/k/a Richard Cunliff		470/	775 (400	
Edwards, a widower	Chesapeake Appalachia, L.L.C.	17%	775/409	
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.		29/90	
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
Donna R. Walker, a widow	Chesapeake Appalachia, L.L.C.	17%	777/475	
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.		29/90	
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
Dorothy Patterson, a single woman	Chesapeake Appalachia, L.L.C.	17%	777/481	
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.		29/90	
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
Malcolm V. Smith, Jr., a widower	Chesapeake Appalachia, L.L.C.	17%	777/487	
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.		29/90	
Arnell Elizabeth Bowser and Glen F. Bowser, her husband	Charanaaka Annalashia, L.I.C.	17%	777/28	
	Chesapeake Appalachia, L.L.C.	1776	-	
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.		29/90	
Chesapeake Appalachia, L.L.C. Roberta M. Snyder, a/k/a Roberta Mary Clark, a	SWN Production Company, LLC		33/110	
widow	Chesapeake Appalachia, L.L.C.	17%	749/96	
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.		27/50	
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
Chesapeake Appalachia, L.L.C.	SWN Exchange Titleholder LLC		33/424	
	-			
Robert Clark Adams and Charlotte A. Adams, his wife	e Chesapeake Appalachia, L.L.C.	17%	749/622	
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.		27/50	
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
Chesapeake Appalachia, L.L.C.	SWN Exchange Titleholder LLC		33/424	
The Mary Kathryn Ray Revocable Trust, Dated December 18, 1998, by Mary Kathryn Ray, acting as				
Trustee	Chesapeake Appalachia, L.L.C.	17%	750/118	
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.		27/50	
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
Chesapeake Appalachia, L.L.C.	SWN Exchange Titleholder LLC		33/424	
Paul Charles Adams, a single man	Chesapeake Appalachia, L.L.C.	17%	750/169	
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.		27/50	
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
Chesapeake Appalachia, L.L.C.				
Chesapeake Appalachia, L.L.C.	SWN Exchange Titleholder LLC		33/424	
Derrick H. Adams and Suzanne Adams, his wife	Chesapeake Appalachia, L.L.C.	17%	761/395	
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.		28/461	
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
Christopher G. Adams and Erica Adams, his wife	Chesapeake Appalachia, L.L.C.	17%	761/402	
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.	2770	28/461	
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
	Switt Production Company, LLC		55/110	
Sandra K. Groux and Harry W. Groux, her husband	Chesapeake Appalachia, L.L.C.	17%	748/503	
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.		27/50	
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
Chesapeake Appalachia, L.L.C. Nancy L. Rodgers, f/k/a Nancy Matthews and Willian	SWN Exchange Titleholder LLC		33/424	
I. Rodgers, her husband	Chesapeake Appalachia, L.L.C.	17%	748/527	
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.	1770	27/50	
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC			
Chesapeake Appalachia, L.L.C.	SWN Exchange Titleholder LLC		33/110 33/424	
Charles W. Bonar And Charlotte L. Bonar, his wife	Chesapeake Appalachia, L.L.C.	17%	755/109	
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.		27/50	
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	I
Chesapeake Appalachia, L.L.C.	SWN Exchange Titleholder LLC		33/424	1
The Estate of Richard L. Bonar, by Saundra J. Bonar,			55/424	
acting as Executor and Saundra J. Bonar, a widow	Chesapeake Appalachia, L.L.C.	17%	751/167	RECEIVED
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.		27/50	Office of Oil and Gas
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	Childe Chon and Cas
Chesapeake Appalachia, L.L.C.	SWN Exchange Titleholder LLC		33/424	
Ronald E. Bonar, a single man	Chesapeake Appalachia, L.L.C.	17%	754/616	AUG 🛛 9 2022
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.	£770	27/465	
· ····································	citer our onshore rioperties, inc.		21/403	WV Department of
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	Environmental Protection

# 09/02/2022

		Chesapeake Appalachia, L.L.C.	SWN Exchange Titleholder LLC		33/424	
		Mary T. Zito, f/k/a Mary T. Nesbitt, f/k/a Mary Bonar	et an an an an an an an an an	170	764/202	
		Nesbitt, a widow	Chesapeake Appalachia, L.L.C.	17%	764/201	
		Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.		31/246	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Chesapeake Appalachia, L.L.C.	SWN Exchange Titleholder LLC		33/424	
		The Estate of John William Orr, Sr., by Linda O. Morgan, a/k/a Linda Orr Morgan, Acting As Executrix, Linda O. Morgan, a/k/a Linda Orr Morgan and Gary D. Morgan, her husband and John W. Orr, Jr., a/k/a John				
		William Orr, Jr. And Susan J. Orr, his wife	Chesapeake Appalachia, L.L.C.	17%	768/154	
		Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.		28/461	
		Chesapeake Appalachia, L.L.C. Brian Harris Bonar, Power of Attorney for Kathrine L.	SWN Production Company, LLC		33/110	
		Bonar, widow Cliff Sligar, a married man dealing in his sole and	SWN Production Company, LLC	16%	951/337	
		separate property	SWN Production Company, L.L.C.	17%	956/244	
		Cornelia C. Browne, widow David B. Sligar, a married man dealing in his sole and	SWN Production Company, LLC	16%	955/350	
		separate property	SWN Production Company, L.L.C.	17%	956/248	
		David Edwards, single	SWN Production Company, LLC	0.125	1046/565	
		McCutcheon Family, LLC	SWN Production Company, LLC	17%	957/535	
		Nelda S. Clark, widow	SWN Production Company, LLC	16%	955/243	
		Patricia Austin Meyer, married dealing in her sole and separate property	SWN Production Company, LLC	17%	957/589	
		Richard Edwards, married dealing in his sole and				1
		separate property	SWN Production Company, LLC	17%	961/213	
		Susan Dianne Clark Neidlinger, divorced	SWN Production Company, L.L.C.	18%	963/70	
		Suzanne Patrick, f/k/a Suzanne Edwards, married dealing in her sole and separate property Thomas Edwards, married dealing in his sole and	SWN Production Company, LLC	17%	964/66	
		Thomas Edwards, married dealing in his sole and separate property	SWN Production Company, LLC	17%	962/430	1 C - 2 - 1
	p/o 7-24-1 Subtract 25	a ser la ser	and a subscription			0.00%
	being 21.3	Hauburt Company, A Florida Coporal Partnership	Charanaska Apaslashia 11.0	170/	708/66	
	acres	Hayhurst Company, A Florida General Partnership	Chesapeake Appalachia, L.L.C.	17%		
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Chesapeake Appalachia, L.L.C.	SWN Exchange Titleholder LLC		33/424	1
5	7-27-10.1	Ralph W. Evans and Nellie F. Evans, his wife; Brooks B.		1. C. T.	A 15	0.00%
		Evans, widower	Columbia Gas Transmission Corporation	12.50%	446/121	
		Chesapeake Appalachia, LLC	Statoilhydro USA Onshore Properties Inc.		675/279	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	
		Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		33/424	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		36/422	I
E	7-24-6			-		0.00%
6	7-24-0	Hayhurst Company, a Florida General Partnership	Chesapeake Appalachia, L.L.C.	17%	708/66	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Chesapeake Appalachia, L.L.C.	SWN Exchange Titleholder LLC		33/424	
-						
7	1-3-2	Royalty Owner	n/a	n/a	n/a	0.52%
		Anna L. Buzzard, a single woman	Chesapeake Appalachia, L.L.C.	12.50%	90A/1	
		Chesapeake Appalachia, L.L.C.	Statollhydro USA Onshore Properties Inc.		97A/578	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		157A/540	
		Chesapeake Appalachia, L.L.C. Creta G. Kilcoyne, a widow, by her Attorney-in-Fact,	SWN Exchange Titleholder LLC		158A/801	
		Barbara J. Kilcoyne	Chesapeake Appalachia, L.L.C.	12.50%	90A/78	
		Chesapeake Appalachia, L.L.C.	Statoilhydro USA Onshore Properties Inc.		97A/578	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		157A/540	
		Chesapeake Appalachia, L.L.C. Joanne R. Hobbs, a married woman dealing in her sole	SWN Exchange Titleholder LLC		158A/801	
		and separate property	Chesapeake Appalachia, L.L.C.	12.50%	90A/136	
		Chesapeake Appalachia, L.L.C.	Statoilhydro USA Onshore Properties Inc.		97A/578	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		157A/540	
		Chesapeake Appalachia, L.L.C. Black Bear Oil and Gas, LLC, a Limited Liability	SWN Exchange Titleholder LLC		158A/801	
		Company	Chesapeake Appalachia, L.L.C.	17%	156A/482	15.1
		Chesapeake Appalachia, L.L.C.	Statoilhydro USA Onshore Properties Inc.		139A/506	104
		Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		157A/540	ň
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	Chesapeake Appalachia, L.L.C.					
	chesapeake Appalacilia, c.c.c.	SWN Exchange Titleholder LLC	and the	158A/801		
		· · · · · · · · · · · · · · · · · · ·	18% - Gas			
		Chesapeake Appalachia, L.L.C.	1/8 - Oil	128A/659		
		SWN Production Company, L.L.C.		165A/673		
		SWN Production Company, L.L.C.		167A/9		
	Donna McGlone	SWN Production Company, L.L.C.	15%	186A/258		
	Alan R. Bradley	SWN Production Company, L.L.C.	15.00%	187A/685		
	Max Hinerman and Loretta Hinerman, his wife	SWN Production Company, LLC	16%	187A/687		
			16%	187A/689		
		SWN Production Company, LLC				
		SWN Production Company, LLC	16%	188A/880		
	Lana B. Kuhl	SWN Production Company, LLC	12.50%	188A/482		
	Dwight D. Hall and Patti Jo Hall, husband and wife	SWN Production Company, LLC	16%	200A/7		
	James L. Hall	SWN Production Company, LLC	16%	201A/572		
		SWN Production Company, LLC	12.50%	199A/924		
	Karen Sue Measley, f/k/a Karen Sue Francis Hall and	and and a set of the second set of the	1500	2004/1		
		SWN Production Company, LLC	16%	200A/1		
	Marlene Kay Musgrave and Wayne T. Musgrave, wife and husband	SWN Production Company, LLC	16%	202A/30		
		A REAL PROPERTY AND				
	Patricia Wheeler Castelli a/k/a Patricia Ann Hall Wheeler a/k/a Patricia Ann Hall Smith, married,					
	dealing in sole and separate property	SWN Production Company, LLC	12.50%	198A/155		
	Sue Carol Anglin, widow	SWN Production Company, LLC	16%	199A/943		
	Thomas G. Hall, a married man dealing in his sole and	Switt routeron company, see				
	separate property	SWN Production Company, LLC	16%	199A/938		
	DJK Oli & Gas LLC	SWN Production Company, LLC	18%	277A/117		
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	Royalty Owner	n/a	n/a 1.7%	n/a	3.27%	
	Ammon A. Burley and Flora J. Burley, his wife	SWN Production Company, LLC	17%	270A/463		
	Barbara Burley, single	SWN Production Company, LLC	17%	269A/554		
	Donald Marlin Watkins, a/k/a Marlin Watkins and	SWN Production Company, LLC	17%	269A/598		
	Myra L. Watkins, his wife	and the set of a set		and the second second		
		Charles and the second second second second	-	in the second		
	DWG Oil and Gas Acquisitions, LLC	SWN Production Company, LLC	17%	277A/531		
		SWN Production Company, LLC SWN Production Company, LLC	17% 17%	277A/531 282A/504		
	DWG Oil and Gas Acquisitions, LLC					
	DWG Oil and Gas Acquisitions, LLC Karen J. Jones Kathy J. Hoopes, f/k/a Kathy Jo Watkins, married dealing in her sole and separate property	SWN Production Company, LLC SWN Production Company, LLC	17% 17%	282A/504		
	DWG Oil and Gas Acquisitions, LLC Karen J. Jones Kathy J. Hoopes, f/k/a Kathy Jo Watkins, married	SWN Production Company, LLC	17%	282A/504 269A/304		
	DWG Oil and Gas Acquisitions, LLC Karen J. Jones Kathy J. Hoopes, f/k/a Kathy Jo Watkins, married dealing in her sole and separate property Robert Burley, married dealing in his sole and	SWN Production Company, LLC SWN Production Company, LLC	17% 17%	282A/504 269A/304		
	DWG Oil and Gas Acquisitions, LLC Karen J. Jones Kathy J. Hoopes, f/k/a Kathy Jo Watkins, married dealing in her sole and separate property Robert Burley, married dealing in his sole and separate property	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	17% 17% 17%	282A/504 269A/304 269A/298		
	DWG Oil and Gas Acquisitions, LLC Karen J. Jones Kathy J. Hoopes, f/k/a Kathy Jo Watkins, married dealing in her sole and separate property Robert Burley, married dealing in his sole and separate property Thomas David Conaway Wayne Edward Burley, a/k/a Wayne E. Burley	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	17% 17% 17% 17%	282A/504 269A/304 269A/298 279A/676 270A/447		
	DWG Oil and Gas Acquisitions, LLC Karen J. Jones Kathy J. Hoopes, f/k/a Kathy Jo Watkins, married dealing in her sole and separate property Robert Burley, married dealing in his sole and separate property Thomas David Conaway Wayne Edward Burley, a/k/a Wayne E. Burley Annette Aldine Lloyd, a/k/a Annette A. Lloyd, a widow	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Chesapeake Appalachia, L.L.C.	17% 17% 17% 17%	282A/504 269A/304 269A/298 279A/676 270A/447 140A/542		
	DWG Oil and Gas Acquisitions, LLC Karen J. Jones Kathy J. Hoopes, f/k/a Kathy Jo Watkins, married dealing in her sole and separate property Robert Burley, married dealing in his sole and separate property Thomas David Conaway Wayne Edward Burley, a/k/a Wayne E. Burley Annette Aldine Lloyd, a/k/a Annette A. Lloyd, a widow Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	17% 17% 17% 17%	282A/504 269A/304 269A/298 279A/676 270A/447 140A/542 157A/540		
	DWG Oil and Gas Acquisitions, LLC Karen J. Jones Kathy J. Hoopes, f/k/a Kathy Jo Watkins, married dealing in her sole and separate property Robert Burley, married dealing in his sole and separate property Thomas David Conaway Wayne Edward Burley, a/k/a Wayne E. Burley Annette Aldine Lloyd, a/k/a Annette A. Lloyd, a widow	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Chesapeake Appalachia, L.L.C.	17% 17% 17% 17%	282A/504 269A/304 269A/298 279A/676 270A/447 140A/542 157A/540 158A/801		
	DWG Oil and Gas Acquisitions, LLC Karen J. Jones Kathy J. Hoopes, f/k/a Kathy Jo Watkins, married dealing in her sole and separate property Robert Burley, married dealing in his sole and separate property Thomas David Conaway Wayne Edward Burley, a/k/a Wayne E. Burley Annette Aldine Lloyd, a/k/a Annette A. Lloyd, a widow Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	17% 17% 17% 17%	282A/504 269A/304 269A/298 279A/676 270A/447 140A/542 157A/540		
	DWG Oil and Gas Acquisitions, LLC Karen J. Jones Kathy J. Hoopes, f/k/a Kathy Jo Watkins, married dealing in her sole and separate property Robert Burley, married dealing in his sole and separate property Thomas David Conaway Wayne Edward Burley, a/k/a Wayne E. Burley Annette Aldine Lloyd, a/k/a Annette A. Lloyd, a widow Chesapeake Appalachia, L.L.C. Statoilhydro USA Onshore Properties Inc.	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC SWN Production Company, LLC	17% 17% 17% 17%	282A/504 269A/304 269A/298 279A/676 270A/447 140A/542 157A/540 158A/801		
	DWG Oil and Gas Acquisitions, LLC Karen J. Jones Kathy J. Hoopes, f/k/a Kathy Jo Watkins, married dealing in her sole and separate property Robert Burley, married dealing in his sole and separate property Thomas David Conaway Wayne Edward Burley, a/k/a Wayne E. Burley Annette Aldine Lloyd, a/k/a Annette A. Lloyd, a widow Chesapeake Appalachia, L.L.C. Statoilhydro USA Onshore Properties Inc. SWN Production Company, LLC	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC SWN Production Company, LLC Antero Resources Corporation Antero Resources Corporation SWN Production Company, LLC/Equinor USA	17% 17% 17% 17%	282A/504 269A/304 269A/298 279A/676 270A/447 140A/542 157A/540 158A/801 177A/533		
	DWG Oil and Gas Acquisitions, LLC Karen J. Jones Kathy J. Hoopes, f/k/a Kathy Jo Watkins, married dealing in her sole and separate property Robert Burley, married dealing in his sole and separate property Thomas David Conaway Wayne Edward Burley, a/k/a Wayne E. Burley Annette Aldine Lloyd, a/k/a Annette A. Lloyd, a widow Chesapeake Appalachia, L.L.C. Statoilhydro USA Onshore Properties Inc. SWN Production Company, LLC Statoilhydro USA Onshore Properties Inc. Antero Resources Corporation	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC SWN Production Company, LLC Antero Resources Corporation Antero Resources Corporation SWN Production Company, LLC/Equinor USA Onshore Properties, Inc	17% 17% 17% 17% 17%	282A/504 269A/304 269A/298 279A/676 270A/447 140A/542 157A/540 158A/801 177A/533 177A/738 272A/588		
	DWG Oil and Gas Acquisitions, LLC Karen J. Jones Kathy J. Hoopes, f/k/a Kathy Jo Watkins, married dealing in her sole and separate property Robert Burley, married dealing in his sole and separate property Thomas David Conaway Wayne Edward Burley, a/k/a Wayne E. Burley Annette Aldine Lloyd, a/k/a Annette A. Lloyd, a widow Chesapeake Appalachia, L.L.C. Statoilhydro USA Onshore Properties Inc. SWN Production Company, LLC Statoilhydro USA Onshore Properties Inc. Antero Resources Corporation Beulah Kathleen Mackey	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC SWN Production Company, LLC Antero Resources Corporation Antero Resources Corporation SWN Production Company, LLC/Equinor USA Onshore Properties, Inc Antero Resources Corporation	17% 17% 17% 17%	282A/504 269A/298 279A/676 270A/447 140A/542 157A/540 158A/801 177A/533 177A/738 272A/588 205A/512		
	DWG Oil and Gas Acquisitions, LLC Karen J. Jones Kathy J. Hoopes, f/k/a Kathy Jo Watkins, married dealing in her sole and separate property Robert Burley, married dealing in his sole and separate property Thomas David Conaway Wayne Edward Burley, a/k/a Wayne E. Burley Annette Aldine Lloyd, a/k/a Annette A. Lloyd, a widow Chesapeake Appalachia, L.L.C. Statoilhydro USA Onshore Properties Inc. SWN Production Company, LLC Statoilhydro USA Onshore Properties Inc. Antero Resources Corporation Beulah Kathleen Mackey Antero Resources Corporation	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC SWN Production Company, LLC Antero Resources Corporation Antero Resources Corporation SWN Production Company, LLC/Equinor USA Onshore Properties, Inc Antero Resources Corporation EQT Production Company	17% 17% 17% 17% 17%	282A/504 269A/298 279A/676 270A/447 140A/542 157A/540 158A/801 177A/533 177A/738 272A/588 205A/512 231A/59		
	DWG Oil and Gas Acquisitions, LLC Karen J. Jones Kathy J. Hoopes, f/k/a Kathy Jo Watkins, married dealing in her sole and separate property Robert Burley, married dealing in his sole and separate property Thomas David Conaway Wayne Edward Burley, a/k/a Wayne E. Burley Annette Aldine Lloyd, a/k/a Annette A. Lloyd, a widow Chesapeake Appalachia, L.L.C. Statoilhydro USA Onshore Properties Inc. SWN Production Company, LLC Statoilhydro USA Onshore Properties Inc. Antero Resources Corporation Beulah Kathleen Mackey	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC SWN Production Company, LLC Antero Resources Corporation Antero Resources Corporation SWN Production Company, LLC/Equinor USA Onshore Properties, Inc Antero Resources Corporation	17% 17% 17% 17% 17%	282A/504 269A/298 279A/676 270A/447 140A/542 157A/540 158A/801 177A/533 177A/738 272A/588 205A/512		
	DWG Oil and Gas Acquisitions, LLC Karen J. Jones Kathy J. Hoopes, f/k/a Kathy Jo Watkins, married dealing in her sole and separate property Robert Burley, married dealing in his sole and separate property Thomas David Conaway Wayne Edward Burley, a/k/a Wayne E. Burley Annette Aldine Lloyd, a/k/a Annette A. Lloyd, a widow Chesapeake Appalachia, L.L.C. Statoilhydro USA Onshore Properties Inc. SWN Production Company, LLC Statoilhydro USA Onshore Properties Inc. Antero Resources Corporation Beulah Kathleen Mackey Antero Resources Corporation	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC SWN Production Company, LLC Antero Resources Corporation Antero Resources Corporation SWN Production Company, LLC/Equinor USA Onshore Properties, Inc Antero Resources Corporation EQT Production Company	17% 17% 17% 17% 17%	282A/504 269A/298 279A/676 270A/447 140A/542 157A/540 158A/801 177A/533 177A/738 272A/588 205A/512 231A/59		
	DWG Oil and Gas Acquisitions, LLC Karen J. Jones Kathy J. Hoopes, f/k/a Kathy Jo Watkins, married dealing in her sole and separate property Robert Burley, married dealing in his sole and separate property Thomas David Conaway Wayne Edward Burley, a/k/a Wayne E. Burley Annette Aldine Lloyd, a/k/a Annette A. Lloyd, a widow Chesapeake Appalachia, L.L.C. Statoilhydro USA Onshore Properties Inc. SWN Production Company, LLC Statoilhydro USA Onshore Properties Inc. Antero Resources Corporation Beulah Kathleen Mackey Antero Resources Corporation EQT Production Company	SWN Production Company, LLC SWN Production Company, LLC Antero Resources Corporation Antero Resources Corporation SWN Production Company, LLC/Equinor USA Onshore Properties, Inc Antero Resources Corporation EQT Production Company SWN Production Company, LLC	17% 17% 17% 17% 18%	282A/504 269A/298 279A/676 270A/447 140A/542 157A/540 158A/801 177A/533 177A/738 272A/588 205A/512 231A/59 279A/35		
	DWG Oil and Gas Acquisitions, LLC Karen J. Jones Kathy J. Hoopes, f/k/a Kathy Jo Watkins, married dealing in her sole and separate property Robert Burley, married dealing in his sole and separate property Thomas David Conaway Wayne Edward Burley, a/k/a Wayne E. Burley Annette Aldine Lloyd, a/k/a Annette A. Lloyd, a widow Chesapeake Appalachia, L.L.C. Statoilhydro USA Onshore Properties Inc. SWN Production Company, LLC Statoilhydro USA Onshore Properties Inc. Antero Resources Corporation Beulah Kathleen Mackey Antero Resources Corporation EQT Production Company Carolyn Stowe Antero Resources Corporation Charles W. Geho and Sandra D. Geho, husband and	SWN Production Company, LLC SWN Production Company, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Antero Resources Corporation SWN Production Company, LLC/Equinor USA Onshore Properties, Inc Antero Resources Corporation EQT Production Company SWN Production Company, LLC Antero Resources Corporation	17% 17% 17% 17% 18%	282A/504 269A/298 279A/676 270A/447 140A/542 157A/540 158A/801 177A/533 177A/738 272A/588 205A/512 231A/59 279A/35 209A/584		
	DWG Oil and Gas Acquisitions, LLC         Karen J. Jones         Kathy J. Hoopes, f/k/a Kathy Jo Watkins, married         dealing in her sole and separate property         Robert Burley, married dealing in his sole and         separate property         Thomas David Conaway         Wayne Edward Burley, a/k/a Wayne E. Burley         Annette Aldine Lloyd, a/k/a Annette A. Lloyd, a widow         Chesapeake Appalachia, L.L.C.         Statoilhydro USA Onshore Properties Inc.         SWN Production Company, LLC         Statoilhydro USA Onshore Properties Inc.         Antero Resources Corporation         Beulah Kathleen Mackey         Antero Resources Corporation         EQT Production Company         Carolyn Stowe         Antero Resources Corporation         Charles W, Geho and Sandra D, Geho, husband and wife	SWN Production Company, LLC SWN Production Company, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC SWN Production Company, LLC Antero Resources Corporation SWN Production Company, LLC/Equinor USA Onshore Properties, Inc Antero Resources Corporation EQT Production Company, LLC Antero Resources Corporation SWN Production Company, LLC Antero Resources Corporation SWN Production Company, LLC Antero Resources Corporation SWN Production Company, LLC Antero Resources Corporation	17% 17% 17% 17% 18% 18%	282A/504 269A/298 279A/676 270A/447 140A/542 157A/540 158A/801 177A/533 177A/738 272A/588 205A/512 231A/59 279A/35 209A/584 272A/588 187A/933		
	DWG Oil and Gas Acquisitions, LLC         Karen J. Jones         Kathy J. Hoopes, f/k/a Kathy Jo Watkins, married         dealing in her sole and separate property         Robert Burley, married dealing in his sole and         separate property         Thomas David Conaway         Wayne Edward Burley, a/k/a Wayne E. Burley         Annette Aldine Lloyd, a/k/a Annette A. Lloyd, a widow         Chesapeake Appalachia, L.L.C.         Statoilhydro USA Onshore Properties Inc.         SWN Production Company, LLC         Statoilhydro USA Onshore Properties Inc.         Antero Resources Corporation         Beulah Kathleen Mackey         Antero Resources Corporation         EQT Production Company         Carolyn Stowe         Antero Resources Corporation         Charles W., Geho and Sandra D. Geho, husband and wife         Antero Resources Corporation	SWN Production Company, LLC SWN Production Company, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC SWN Production Company, LLC Antero Resources Corporation Antero Resources Corporation SWN Production Company, LLC/Equinor USA Onshore Properties, Inc Antero Resources Corporation EQT Production Company, LLC Antero Resources Corporation SWN Production Company, LLC	17% 17% 17% 17% 18% 18% 18%	282A/504 269A/298 279A/676 270A/447 140A/542 157A/540 158A/801 177A/533 177A/738 272A/588 205A/512 231A/59 279A/35 209A/584 272A/588 187A/933 272A/588		
	DWG Oil and Gas Acquisitions, LLC         Karen J. Jones         Kathy J. Hoopes, f/k/a Kathy Jo Watkins, married         dealing in her sole and separate property         Robert Burley, married dealing in his sole and         separate property         Thomas David Conaway         Wayne Edward Burley, a/k/a Wayne E. Burley         Annette Aldine Lloyd, a/k/a Annette A. Lloyd, a widow         Chesapeake Appalachia, L.L.C.         Statoilhydro USA Onshore Properties Inc.         SWN Production Company, LLC         Statoilhydro USA Onshore Properties Inc.         Antero Resources Corporation         Beulah Kathleen Mackey         Antero Resources Corporation         EQT Production Company         Carolyn Stowe         Antero Resources Corporation         Charles W. Geho and Sandra D. Geho, husband and wife         Antero Resources Corporation         Charles W. Geho and Sandra D. Geho, husband and wife         Antero Resources Corporation	SWN Production Company, LLC SWN Production Company, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC SWN Production Company, LLC Antero Resources Corporation Antero Resources Corporation SWN Production Company, LLC/Equinor USA Onshore Properties, Inc Antero Resources Corporation EQT Production Company, LLC Antero Resources Corporation SWN Production Company, LLC Antero Resources Corporation	17% 17% 17% 17% 18% 18%	282A/504 269A/298 279A/676 270A/447 140A/542 157A/540 158A/801 177A/533 177A/738 272A/588 205A/512 231A/59 279A/35 209A/584 272A/588 187A/933 272A/588 204A/489		
	DWG Oil and Gas Acquisitions, LLC         Karen J. Jones         Kathy J. Hoopes, f/k/a Kathy Jo Watkins, married         dealing in her sole and separate property         Robert Burley, married dealing in his sole and         separate property         Thomas David Conaway         Wayne Edward Burley, a/k/a Wayne E. Burley         Annette Aldine Lloyd, a/k/a Annette A. Lloyd, a widow         Chesapeake Appalachia, L.L.C.         Statoilhydro USA Onshore Properties Inc.         SWN Production Company, LLC         Statoilhydro USA Onshore Properties Inc.         Antero Resources Corporation         Beulah Kathleen Mackey         Antero Resources Corporation         EQT Production Company         Carolyn Stowe         Antero Resources Corporation         Charles W. Geho and Sandra D. Geho, husband and wife         Antero Resources Corporation         Date H. Williams, a widower         Antero Resources Corporation	SWN Production Company, LLC SWN Production Company, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC SWN Production Company, LLC Antero Resources Corporation Antero Resources Corporation SWN Production Company, LLC/Equinor USA Onshore Properties, Inc Antero Resources Corporation EQT Production Company, LLC Antero Resources Corporation SWN Production Company, LLC	17% 17% 17% 17% 18% 18% 18%	282A/504 269A/298 279A/676 270A/447 140A/542 157A/540 158A/801 177A/533 177A/738 272A/588 205A/512 231A/59 279A/35 209A/584 272A/588 187A/933 272A/588 204A/489 272A/588		
	DWG Oil and Gas Acquisitions, LLC         Karen J. Jones         Kathy J. Hoopes, f/k/a Kathy Jo Watkins, married         dealing in her sole and separate property         Robert Burley, married dealing in his sole and         separate property         Thomas David Conaway         Wayne Edward Burley, a/k/a Wayne E. Burley         Annette Aldine Lloyd, a/k/a Annette A. Lloyd, a widow         Chesapeake Appalachia, L.L.C.         Statoilhydro USA Onshore Properties Inc.         SWN Production Company, LLC         Statoilhydro USA Onshore Properties Inc.         Antero Resources Corporation         Beulah Kathleen Mackey         Antero Resources Corporation         EQT Production Company         Carolyn Stowe         Antero Resources Corporation         Charles W. Geho and Sandra D. Geho, husband and wife         Antero Resources Corporation         Charles W. Geho and Sandra D. Geho, husband and wife         Antero Resources Corporation	SWN Production Company, LLC SWN Production Company, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC SWN Production Company, LLC Antero Resources Corporation Antero Resources Corporation SWN Production Company, LLC/Equinor USA Onshore Properties, Inc Antero Resources Corporation EQT Production Company, LLC Antero Resources Corporation SWN Production Company, LLC Antero Resources Corporation	17% 17% 17% 17% 18% 18% 18%	282A/504 269A/298 279A/676 270A/447 140A/542 157A/540 158A/801 177A/533 177A/738 272A/588 205A/512 231A/59 279A/35 209A/584 272A/588 187A/933 272A/588 204A/489		
	DWG Oil and Gas Acquisitions, LLC         Karen J. Jones         Kathy J. Hoopes, f/k/a Kathy Jo Watkins, married         dealing in her sole and separate property         Robert Burley, married dealing in his sole and         separate property         Thomas David Conaway         Wayne Edward Burley, a/k/a Wayne E. Burley         Annette Aldine Lloyd, a/k/a Annette A. Lloyd, a widow         Chesapeake Appalachia, L.L.C.         Statoilhydro USA Onshore Properties Inc.         SWN Production Company, LLC         Statoilhydro USA Onshore Properties Inc.         Antero Resources Corporation         Beulah Kathleen Mackey         Antero Resources Corporation         EQT Production Company         Carolyn Stowe         Antero Resources Corporation         Charles W. Geho and Sandra D. Geho, husband and wife         Antero Resources Corporation         Dale H. Williams, a widower         Antero Resources Corporation	SWN Production Company, LLC SWN Production Company, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC SWN Production Company, LLC Antero Resources Corporation Antero Resources Corporation SWN Production Company, LLC/Equinor USA Onshore Properties, Inc Antero Resources Corporation EQT Production Company, LLC Antero Resources Corporation SWN Production Company, LLC	17% 17% 17% 17% 18% 18% 18%	282A/504 269A/298 279A/676 270A/447 140A/542 157A/540 158A/801 177A/533 177A/738 272A/588 205A/512 231A/59 279A/35 209A/584 272A/588 187A/933 272A/588 204A/489 272A/588		
	DWG Oil and Gas Acquisitions, LLC         Karen J. Jones         Kathy J. Hoopes, f/k/a Kathy Jo Watkins, married         dealing in her sole and separate property         Robert Burley, married dealing in his sole and         separate property         Thomas David Conaway         Wayne Edward Burley, a/k/a Wayne E. Burley         Annette Aldine Lloyd, a/k/a Annette A. Lloyd, a widow         Chesapeake Appalachia, L.L.C.         Statoilhydro USA Onshore Properties Inc.         SWN Production Company, LLC         Statoilhydro USA Onshore Properties Inc.         Antero Resources Corporation         Beulah Kathleen Mackey         Antero Resources Corporation         EQT Production Company         Carolyn Stowe         Antero Resources Corporation         Charles W. Geho and Sandra D. Geho, husband and wife         Antero Resources Corporation         Dale H. Williams, a widower         Antero Resources Corporation         Dale H. Williams, a maried man dealing in his sole and separate property	SWN Production Company, LLC SWN Production Company, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Antero Resources Corporation SWN Production Company, LLC/Equinor USA Onshore Properties, Inc Antero Resources Corporation EQT Production Company, LLC Antero Resources Corporation SWN Production Company, LLC Antero Resources Corporation	17% 17% 17% 17% 18% 18% 18%	282A/504 269A/298 279A/676 270A/447 140A/542 157A/540 158A/801 177A/533 177A/738 272A/588 205A/512 231A/59 279A/35 209A/584 272A/588 187A/933 272A/588 204A/489 272A/588 187A/931		
	DWG Oil and Gas Acquisitions, LLC         Karen J. Jones         Kathy J. Hoopes, f/k/a Kathy Jo Watkins, married         dealing in her sole and separate property         Robert Burley, married dealing in his sole and         separate property         Thomas David Conaway         Wayne Edward Burley, a/k/a Wayne E. Burley         Annette Aldine Lloyd, a/k/a Annette A. Lloyd, a widow         Chesapeake Appalachia, L.L.C.         Statoilhydro USA Onshore Properties Inc.         SWN Production Company, LLC         Statoilhydro USA Onshore Properties Inc.         Antero Resources Corporation         Beulah Kathleen Mackey         Antero Resources Corporation         EQT Production Company         Carolyn Stowe         Antero Resources Corporation         Charles W. Geho and Sandra D. Geho, husband and wife         Antero Resources Corporation         Dale H. Williams, a widower         Antero Resources Corporation         Donald L. Burley, a married man dealing in his sole and separate property	SWN Production Company, LLC SWN Production Company, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Antero Resources Corporation SWN Production Company, LLC/Equinor USA Onshore Properties, Inc Antero Resources Corporation EQT Production Company, LLC/Equinor USA Onshore Properties, Inc Antero Resources Corporation SWN Production Company, LLC Antero Resources Corporation SWN Production Company, LLC	17% 17% 17% 17% 18% 18% 18% 18% 18%	282A/504 269A/298 279A/676 270A/447 140A/542 157A/540 158A/801 177A/533 177A/738 272A/588 205A/512 231A/59 279A/35 209A/584 272A/588 187A/933 272A/588 187A/931 272A/588	RE	GEIN
	DWG Oil and Gas Acquisitions, LLC         Karen J. Jones         Kathy J. Hoopes, f/k/a Kathy Jo Watkins, married         dealing in her sole and separate property         Robert Burley, married dealing in his sole and         separate property         Thomas David Conaway         Wayne Edward Burley, a/k/a Wayne E. Burley         Annette Aldine Lloyd, a/k/a Annette A. Lloyd, a widow         Chesapeake Appalachia, L.L.C.         Statoilhydro USA Onshore Properties Inc.         SWN Production Company, LLC         Statoilhydro USA Onshore Properties Inc.         Antero Resources Corporation         Beulah Kathleen Mackey         Antero Resources Corporation         EQT Production Company         Carolyn Stowe         Antero Resources Corporation         Charles W. Geho and Sandra D. Geho, husband and wife         Antero Resources Corporation         Dale H. Williams, a widower         Antero Resources Corporation         Donald L. Burley, a married man dealing in his sole and separate property         Antero Resources Corporation         Donald L. Burley, a married man dealing in his sole and separate property	SWN Production Company, LLC SWN Production Company, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Antero Resources Corporation SWN Production Company, LLC/Equinor USA Onshore Properties, Inc Antero Resources Corporation EQT Production Company, LLC/Equinor USA Onshore Properties, Inc Antero Resources Corporation SWN Production Company, LLC Antero Resources Corporation SWN Production Company, LLC	17% 17% 17% 17% 18% 18% 18% 18% 18%	282A/504 269A/298 279A/676 270A/447 140A/542 157A/540 158A/801 177A/533 177A/738 272A/588 205A/512 231A/59 279A/35 209A/584 272A/588 187A/933 272A/588 187A/931 272A/588 187A/931 272A/588	RE: O fice of	GEI
	DWG Oil and Gas Acquisitions, LLC         Karen J. Jones         Kathy J. Hoopes, f/k/a Kathy Jo Watkins, married         dealing in her sole and separate property         Robert Burley, married dealing in his sole and         separate property         Thomas David Conaway         Wayne Edward Burley, a/k/a Wayne E. Burley         Annette Aldine Lloyd, a/k/a Annette A. Lloyd, a widow         Chesapeake Appalachia, L.L.C.         Statoilhydro USA Onshore Properties Inc.         SWN Production Company, LLC         Statoilhydro USA Onshore Properties Inc.         Antero Resources Corporation         Beulah Kathleen Mackey         Antero Resources Corporation         EQT Production Company         Carolyn Stowe         Antero Resources Corporation         Charles W. Geho and Sandra D. Geho, husband and wife         Antero Resources Corporation         Dale H. Williams, a widower         Antero Resources Corporation         Donald L. Burley, a married man dealing in his sole and separate property         Antero Resources Corporation         Donald Scott Conaway	SWN Production Company, LLC SWN Production Company, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Antero Resources Corporation SWN Production Company, LLC/Equinor USA Onshore Properties, Inc Antero Resources Corporation EQT Production Company, LLC/Equinor USA Onshore Properties, Inc Antero Resources Corporation SWN Production Company, LLC Antero Resources Corporation SWN Production Company, LLC	17% 17% 17% 17% 18% 18% 18% 18% 18%	282A/504 269A/298 279A/676 270A/447 140A/542 157A/540 158A/801 177A/533 177A/738 272A/588 205A/512 231A/59 279A/35 209A/584 272A/588 187A/933 272A/588 187A/931 272A/588 187A/931 272A/588	RE: Office of	GEIN Oil

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WV Department of Environmental Protection

09/02/2022

	Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		157A/540	
	Franklin Thomas Barrett, a/k/a Frank Barrett, a	Antero Resources Corporation	18%	208A/64	
	married man dealing in his sole and separate property				
		SMAL Deschurtlen Company LLC		272A/588	
	Antero Resources Corporation	SWN Production Company, LLC	1.00/		
	Jeffrey L. Fish, a single man	Antero Resources Corporation	18%	209A/818	
	Antero Resources Corporation	SWN Production Company, LLC		272A/588	
	Krystal K. Camp, a married woman dealing in her sole	Antero Resources Corporation	18%	207A/855	
	and separate property	CMAL Development of Company 11 C		272A/588	
	Antero Resources Corporation	SWN Production Company, LLC	100/		
	Margery Jeanette Hale, a/k/a Marjorie Hale, a widow	Chesapeake Appalachia, L.L.C.	18%	140A/608	
	Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		157A/540	
	Antero Resources Corporation	SWN Production Company, LLC		272A/588	
	•		18%		
	Michael A. Fish, a married man dealing in his sole and separate property	Antero Resources Corporation	16%	208A/226	
	Antero Resources Corporation	SWN Production Company, LLC		272A/588	
	Robert W. Conaway, Jr.	Antero Resources Corporation	18%	192A/132	
	Antero Resources Corporation	SWN Production Company, LLC		272A/588	
			1.00/	204A/841	
	Ronald W. Conaway and Cindy Conaway	Antero Resources Corporation	18%		
	Antero Resources Corporation	SWN Production Company, LLC		272A/588	
	Rosemary Cain and Robert R. Cain, her husband	Chesapeake Appalachia, L.L.C.	18%	140A/537	
	Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		157A/540	
			1994	208A/61	
	Sharon Neala Barrett Zeppernick, a married woman dealing in sole and separate property	Antero Resources Corporation	18%	200A/01	
	acaung in sole and scharare broberty				
	Antero Resources Corporation	SWN Production Company, LLC		272A/588	
	The First Assembly of God Church	Chesapeake Appalachia, L.L.C.	17%	140A/686	
	Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		157A/540	
	Three Rivers Royalty	EQT Production Company	18.50%	227A/144	
			10.50%	279A/35	
	EQT Production Company	SWN Production Company, LLC	400/		
	Timothy N. Burley, a married man dealing in sole and	Antero Resources Corporation	18%	208A/223	
	separate property Antero Resources Corporation	SWN Production Company, LLC		272A/588	
3-1-1	Alice Driver, f/k/a Alice LeBoda, a single woman	Chesapeake Appalachia, L.L.C.	12.50%	94A/461	0.009
3-1-1	-		12.50%		0.009
3-1-1	Alice Driver, f/k/a Alice LeBoda, a single woman Chesapeake Appalachia, L.L.C.	Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C.	12.50%	94A/461 157A/540	0.009
3-1-1	– Chesapeake Appalachia, L.L.C. Carol Staley, f/k/a Carol Butler, a married woman		12.50% 12.50%		0.009
3-1-1	Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		157A/540	0.009
3-1-1	Chesapeake Appalachia, L.L.C. Carol Staley, f/k/a Carol Butler, a married woman dealing in her sole and separate property	SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C.		157A/540 94A/467	0.009
3-1-1	Chesapeake Appalachia, L.L.C. Carol Staley, f/k/a Carol Butler, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C.	12.50%	157A/540 94A/467 157A/540	0.009
3-1-1	Chesapeake Appalachia, L.L.C. Carol Staley, f/k/a Carol Butler, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Ellen Vannatter, a single woman	SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C.		157A/540 94A/467 157A/540 94A/464	0.009
3-1-1	Chesapeake Appalachia, L.L.C. Carol Staley, f/k/a Carol Butler, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C.	12.50%	157A/540 94A/467 157A/540	0.009
3-1-1	Chesapeake Appalachia, L.L.C. Carol Staley, f/k/a Carol Butler, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Ellen Vannatter, a single woman Chesapeake Appalachia, L.L.C. James Denzil Stoneking, a married man dealing in his	SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C.	12.50%	157A/540 94A/467 157A/540 94A/464	0.009
3-1-1	Chesapeake Appalachia, L.L.C. Carol Staley, f/k/a Carol Butler, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Ellen Vannatter, a single woman Chesapeake Appalachia, L.L.C. James Denzil Stoneking, a married man dealing in his sole and separate property	SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C.	12.50% 12.50%	157A/540 94A/467 157A/540 94A/464 157A/540 94A/470	0.009
3-1-1	Chesapeake Appalachia, L.L.C. Carol Staley, f/k/a Carol Butler, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Ellen Vannatter, a single woman Chesapeake Appalachia, L.L.C. James Denzil Stoneking, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C.	12.50% 12.50% 12.50%	157A/540 94A/467 157A/540 94A/464 157A/540	0.009
3-1-1	Chesapeake Appalachia, L.L.C. Carol Staley, f/k/a Carol Butler, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Ellen Vannatter, a single woman Chesapeake Appalachia, L.L.C. James Denzil Stoneking, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. James Joseph Aberegg, a/k/a Joseph Aberegg, a single	SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C.	12.50% 12.50%	157A/540 94A/467 157A/540 94A/464 157A/540 94A/470	0.009
3-1-1	Chesapeake Appalachia, L.L.C. Carol Staley, f/k/a Carol Butler, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Ellen Vannatter, a single woman Chesapeake Appalachia, L.L.C. James Denzil Stoneking, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. James Joseph Aberegg, a/k/a Joseph Aberegg, a single man	SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C.	12.50% 12.50% 12.50%	157A/540 94A/467 157A/540 94A/464 157A/540 94A/470 157A/540 94A/476	0.009
3-1-1	Chesapeake Appalachia, L.L.C. Carol Staley, f/k/a Carol Butler, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Ellen Vannatter, a single woman Chesapeake Appalachia, L.L.C. James Denzil Stoneking, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. James Joseph Aberegg, a/k/a Joseph Aberegg, a single man Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C. Chesapeake Appalachia, LL.C. SWN Production Company, L.L.C. Chesapeake Appalachia, LL.C.	12.50% 12.50% 12.50% 12.50%	157A/540 94A/467 157A/540 94A/464 157A/540 94A/470 157A/540 94A/476 157A/540	0.009
3-1-1	Chesapeake Appalachia, L.L.C. Carol Staley, f/k/a Carol Butler, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Ellen Vannatter, a single woman Chesapeake Appalachia, L.L.C. James Denzil Stoneking, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. James Joseph Aberegg, a/k/a Joseph Aberegg, a single man Chesapeake Appalachia, L.L.C. Keith Aberegg, a married man dealing in his sole and	SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C.	12.50% 12.50% 12.50%	157A/540 94A/467 157A/540 94A/464 157A/540 94A/470 157A/540 94A/476	0.009
3-1-1	Chesapeake Appalachia, L.L.C. Carol Staley, f/k/a Carol Butler, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Ellen Vannatter, a single woman Chesapeake Appalachia, L.L.C. James Denzil Stoneking, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. James Joseph Aberegg, a/k/a Joseph Aberegg, a single man Chesapeake Appalachia, L.L.C. Keith Aberegg, a married man dealing in his sole and separate property	SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C.	12.50% 12.50% 12.50% 12.50%	157A/540 94A/467 157A/540 94A/464 157A/540 94A/470 157A/540 94A/476 157A/540 94A/473	0.009
3-1-1	Chesapeake Appalachia, L.L.C. Carol Staley, f/k/a Carol Butler, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Ellen Vannatter, a single woman Chesapeake Appalachia, L.L.C. James Denzil Stoneking, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. James Joseph Aberegg, a/k/a Joseph Aberegg, a single man Chesapeake Appalachia, L.L.C. Keith Aberegg, a married man dealing in his sole and	SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C. Chesapeake Appalachia, LL.C. SWN Production Company, L.L.C. Chesapeake Appalachia, LL.C.	12.50% 12.50% 12.50% 12.50%	157A/540 94A/467 157A/540 94A/464 157A/540 94A/470 157A/540 94A/476 157A/540	0.009
	Chesapeake Appalachia, L.L.C. Carol Staley, f/k/a Carol Butler, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Ellen Vannatter, a single woman Chesapeake Appalachia, L.L.C. James Denzil Stoneking, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. James Joseph Aberegg, a/k/a Joseph Aberegg, a single man Chesapeake Appalachia, L.L.C. Keith Aberegg, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C.	12.50% 12.50% 12.50% 12.50%	157A/540 94A/467 157A/540 94A/464 157A/540 94A/470 157A/540 94A/476 157A/540 94A/473	
	Chesapeake Appalachia, L.L.C. Carol Staley, f/k/a Carol Butler, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Ellen Vannatter, a single woman Chesapeake Appalachia, L.L.C. James Denzil Stoneking, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. James Joseph Aberegg, a/k/a Joseph Aberegg, a single man Chesapeake Appalachia, L.L.C. Keith Aberegg, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Keith Aberegg, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C.	12.50% 12.50% 12.50% 12.50%	157A/540 94A/467 157A/540 94A/464 157A/540 94A/470 157A/540 94A/476 157A/540 94A/473 157A/540	
	Chesapeake Appalachia, L.L.C. Carol Staley, f/k/a Carol Butler, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Ellen Vannatter, a single woman Chesapeake Appalachia, L.L.C. James Denzil Stoneking, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. James Joseph Aberegg, a/k/a Joseph Aberegg, a single man Chesapeake Appalachia, L.L.C. Keith Aberegg, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Keith Aberegg, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C.	12.50% 12.50% 12.50% 12.50%	157A/540 94A/467 157A/540 94A/464 157A/540 94A/470 157A/540 94A/476 157A/540 94A/473 157A/540 94A/473	
	Chesapeake Appalachia, L.L.C. Carol Staley, f/k/a Carol Butler, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Ellen Vannatter, a single woman Chesapeake Appalachia, L.L.C. James Denzil Stoneking, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. James Joseph Aberegg, a/k/a Joseph Aberegg, a single man Chesapeake Appalachia, L.L.C. Keith Aberegg, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Allan Karl Draheim, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C.	12.50% 12.50% 12.50% 12.50%	157A/540 94A/467 157A/540 94A/464 157A/540 94A/470 157A/540 94A/476 157A/540 94A/473 157A/540 91A/107 97A/578	
	Chesapeake Appalachia, L.L.C. Carol Staley, f/k/a Carol Butler, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Ellen Vannatter, a single woman Chesapeake Appalachia, L.L.C. James Denzil Stoneking, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. James Joseph Aberegg, a/k/a Joseph Aberegg, a single man Chesapeake Appalachia, L.L.C. Keith Aberegg, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Allan Karl Draheim, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C. SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C. SWN Production Company, L.L.C.	12.50% 12.50% 12.50% 12.50%	157A/540 94A/467 157A/540 94A/464 157A/540 94A/470 157A/540 94A/476 157A/540 94A/473 157A/540 91A/107 97A/578 157A/540	
	Chesapeake Appalachia, L.L.C. Carol Staley, f/k/a Carol Butler, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Ellen Vannatter, a single woman Chesapeake Appalachia, L.L.C. James Denzil Stoneking, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. James Joseph Aberegg, a/k/a Joseph Aberegg, a single man Chesapeake Appalachia, L.L.C. Keith Aberegg, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Allan Karl Draheim, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc.	SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C.	12.50% 12.50% 12.50% 12.50%	157A/540 94A/467 157A/540 94A/464 157A/540 94A/470 157A/540 94A/476 157A/540 94A/473 157A/540 91A/107 97A/578	
	Chesapeake Appalachia, L.L.C. Carol Staley, f/k/a Carol Butler, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Ellen Vannatter, a single woman Chesapeake Appalachia, L.L.C. James Denzil Stoneking, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. James Joseph Aberegg, a/k/a Joseph Aberegg, a single man Chesapeake Appalachia, L.L.C. Keith Aberegg, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Allan Karl Draheim, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Steven Mark Draheim, a married man dealing in his	SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, LLC.	12.50% 12.50% 12.50% 12.50% 12.50%	157A/540 94A/467 157A/540 94A/464 157A/540 94A/470 157A/540 94A/476 157A/540 94A/473 157A/540 91A/107 97A/578 157A/540 158A/801	
	Chesapeake Appalachia, L.L.C. Carol Staley, f/k/a Carol Butler, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Ellen Vannatter, a single woman Chesapeake Appalachia, L.L.C. James Denzil Stoneking, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. James Joseph Aberegg, a/k/a Joseph Aberegg, a single man Chesapeake Appalachia, L.L.C. Keith Aberegg, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Allan Karl Draheim, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Steven Mark Draheim, a married man dealing in his sole and separate property	SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, LLC. SWN Exchange Titleholder LLC Chesapeake Appalachia, L.L.C.	12.50% 12.50% 12.50% 12.50%	157A/540 94A/467 157A/540 94A/464 157A/540 94A/470 157A/540 94A/476 157A/540 94A/473 157A/540 91A/107 97A/578 157A/540 158A/801 90A/686	
	Chesapeake Appalachia, L.L.C. Carol Staley, f/k/a Carol Butler, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Ellen Vannatter, a single woman Chesapeake Appalachia, L.L.C. James Denzil Stoneking, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. James Joseph Aberegg, a/k/a Joseph Aberegg, a single man Chesapeake Appalachia, L.L.C. Keith Aberegg, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Allan Karl Draheim, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Steven Mark Draheim, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C. SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, LLC. SWN Production Company, LLC. SWN Production Company, LLC. SWN Exchange Titleholder LLC Chesapeake Appalachia, L.L.C. Statoilhydro USA Onshore Properties Inc.	12.50% 12.50% 12.50% 12.50% 12.50%	157A/540 94A/467 157A/540 94A/464 157A/540 94A/470 157A/540 94A/476 157A/540 94A/473 157A/540 91A/107 97A/578 157A/540 158A/801 90A/686 97A/578	
	Chesapeake Appalachia, L.L.C. Carol Staley, f/k/a Carol Butler, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Ellen Vannatter, a single woman Chesapeake Appalachia, L.L.C. James Denzil Stoneking, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. James Joseph Aberegg, a/k/a Joseph Aberegg, a single man Chesapeake Appalachia, L.L.C. Keith Aberegg, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Allan Karl Draheim, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Steven Mark Draheim, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, LLC. SWN Exchange Titleholder LLC Chesapeake Appalachia, L.L.C. Statoilhydro USA Onshore Properties Inc. SWN Exchange Titleholder LLC	12.50% 12.50% 12.50% 12.50% 12.50%	157A/540 94A/467 157A/540 94A/464 157A/540 94A/470 157A/540 94A/476 157A/540 94A/473 157A/540 91A/107 97A/578 157A/540 158A/801 90A/686 97A/578 157A/540	
	Chesapeake Appalachia, L.L.C. Carol Staley, f/k/a Carol Butler, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Ellen Vannatter, a single woman Chesapeake Appalachia, L.L.C. James Denzil Stoneking, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. James Joseph Aberegg, a/k/a Joseph Aberegg, a single man Chesapeake Appalachia, L.L.C. Keith Aberegg, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Keith Aberegg, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Allan Karl Draheim, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Steven Mark Draheim, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc.	SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C. SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, LLC. SWN Production Company, LLC. SWN Production Company, LLC. SWN Exchange Titleholder LLC Chesapeake Appalachia, L.L.C. Statoilhydro USA Onshore Properties Inc.	12.50% 12.50% 12.50% 12.50% 12.50%	157A/540 94A/467 157A/540 94A/464 157A/540 94A/470 157A/540 94A/476 157A/540 94A/473 157A/540 91A/107 97A/578 157A/540 158A/801 90A/686 97A/578	
	Chesapeake Appalachia, L.L.C. Carol Staley, f/k/a Carol Butler, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Ellen Vannatter, a single woman Chesapeake Appalachia, L.L.C. James Denzil Stoneking, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. James Joseph Aberegg, a/k/a Joseph Aberegg, a single man Chesapeake Appalachia, L.L.C. Keith Aberegg, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Allan Karl Draheim, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Steven Mark Draheim, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. Edward Michael Draheim, a married man dealing in	SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C. SWN Production Company, L.L.C. SWN Production Company, L.L.C. SWN Production Company, LLC. SWN Production Company, LLC SWN Exchange Titleholder LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	12.50% 12.50% 12.50% 12.50% 12.50%	157A/540 94A/467 157A/540 94A/464 157A/540 94A/470 157A/540 94A/476 157A/540 94A/473 157A/540 91A/107 97A/578 157A/540 158A/801 90A/686 97A/578	
	Chesapeake Appalachia, L.L.C. Carol Staley, f/k/a Carol Butler, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Ellen Vannatter, a single woman Chesapeake Appalachia, L.L.C. James Denzil Stoneking, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. James Joseph Aberegg, a/k/a Joseph Aberegg, a single man Chesapeake Appalachia, L.L.C. Keith Aberegg, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Keith Aberegg, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Alian Karl Draheim, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Steven Mark Draheim, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Edward Michael Draheim, a married man dealing in his sole and separate property	SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C. SWN Production Company, L.L.C. SWN Production Company, L.L.C. SWN Production Company, LLC SWN Exchange Titleholder LLC SWN Exchange Titleholder LLC SWN Exchange Titleholder LLC Chesapeake Appalachia, L.L.C.	12.50% 12.50% 12.50% 12.50% 12.50%	157A/540 94A/467 157A/540 94A/464 157A/540 94A/470 157A/540 94A/476 157A/540 94A/473 157A/540 91A/107 97A/578 157A/540 158A/801 90A/686 97A/578	
	Chesapeake Appalachia, L.L.C. Carol Staley, f/k/a Carol Butler, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Ellen Vannatter, a single woman Chesapeake Appalachia, L.L.C. James Denzil Stoneking, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. James Joseph Aberegg, a/k/a Joseph Aberegg, a single man Chesapeake Appalachia, L.L.C. Keith Aberegg, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Keith Aberegg, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Allan Karl Draheim, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Steven Mark Draheim, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. Edward Micheel Draheim, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C. SWN Production Company, L.L.C. SWN Production Company, L.L.C. SWN Production Company, LLC SWN Exchange Titleholder LLC Chesapeake Appalachia, L.L.C. SWN Exchange Titleholder LLC SWN Exchange Titleholder LLC Chesapeake Appalachia, L.L.C. SWN Exchange Titleholder LLC Chesapeake Appalachia, L.L.C. SWN Exchange Titleholder LLC	12.50% 12.50% 12.50% 12.50% 12.50%	157A/540 94A/467 157A/540 94A/464 157A/540 94A/470 157A/540 94A/476 157A/540 94A/473 157A/540 91A/107 97A/578 157A/540 158A/801 90A/686 97A/578 157A/540 158A/801 90A/689 97A/578	
	Chesapeake Appalachia, L.L.C. Carol Staley, f/k/a Carol Butler, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Ellen Vannatter, a single woman Chesapeake Appalachia, L.L.C. James Denzil Stoneking, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. James Joseph Aberegg, a/k/a Joseph Aberegg, a single man Chesapeake Appalachia, L.L.C. Keith Aberegg, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Keith Aberegg, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Allan Karl Draheim, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Steven Mark Draheim, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Edward Michael Draheim, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Edward Michael Draheim, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Edward Michael Draheim, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C. SWN Production Company, L.L.C. SWN Production Company, L.L.C. SWN Production Company, LLC SWN Exchange Titleholder LLC Chesapeake Appalachia, L.L.C. SWN Exchange Titleholder LLC SWN Exchange Titleholder LLC Chesapeake Appalachia, L.L.C. SWN Exchange Titleholder LLC SWN Exchange Titleholder LLC Chesapeake Appalachia, L.L.C. Statoilhydro USA Onshore Properties Inc. SWN Production Company, LLC	12.50% 12.50% 12.50% 12.50% 12.50%	157A/540 94A/467 157A/540 94A/464 157A/540 94A/470 157A/540 94A/476 157A/540 94A/473 157A/540 91A/107 97A/578 157A/540 158A/801 90A/686 97A/578	
	Chesapeake Appalachia, L.L.C. Carol Staley, f/k/a Carol Butler, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Ellen Vannatter, a single woman Chesapeake Appalachia, L.L.C. James Denzil Stoneking, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. James Joseph Aberegg, a/k/a Joseph Aberegg, a single man Chesapeake Appalachia, L.L.C. Keith Aberegg, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Keith Aberegg, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Allan Karl Draheim, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Steven Mark Draheim, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. Edward Micheel Draheim, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C. SWN Production Company, L.L.C. SWN Production Company, L.L.C. SWN Production Company, LLC SWN Exchange Titleholder LLC Chesapeake Appalachia, L.L.C. SWN Exchange Titleholder LLC SWN Exchange Titleholder LLC Chesapeake Appalachia, L.L.C. SWN Exchange Titleholder LLC Chesapeake Appalachia, L.L.C. SWN Exchange Titleholder LLC	12.50% 12.50% 12.50% 12.50% 12.50%	157A/540 94A/467 157A/540 94A/464 157A/540 94A/470 157A/540 94A/476 157A/540 94A/473 157A/540 91A/107 97A/578 157A/540 158A/801 90A/686 97A/578 157A/540 158A/801 90A/689 97A/578	0.009

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Chesapeake Appalachia, L.L.C.	Statoilhydro USA Onshore Properties Inc.		97A/578	
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		158A/801	
Gerald Elwood Dean, a single man	Chesapeake Appalachia, L.L.C.	12.50%	91A/104	
Chesapeake Appalachia, L.L.C.	Statoilhydro USA Onshore Properties Inc.		97A/578	
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
			158A/801	
Statoil USA Onshore Properties Inc. Louis David Williams III, a married man dealing in his	SWN Exchange Titleholder LLC	10 500		
sole and separate property	Chesapeake Appalachia, L.L.C.	12.50%	91A/113	
Chesapeake Appalachia, L.L.C.	Statoilhydro USA Onshore Properties Inc.		97A/578	
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
Statoil USA Onshore Properties Inc. Louis David Williams, Jr., a married man dealing in his	SWN Exchange Titleholder LLC		158A/801	
sole and separate property	Chesapeake Appalachia, L.L.C.	12.50%	90A/496	
Chesapeake Appalachia, L.L.C.	Statoilhydro USA Onshore Properties Inc.		97A/578	
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		158A/801	
Timothy Neil Draheim, a single man	Chesapeake Appalachia, L.L.C.	12.50%	91A/110	
Chesapeake Appalachia, L.L.C.	Statoilhydro USA Onshore Properties Inc.		97A/578	
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		158A/801	
		12.50%	90A/579	
Vernon Sterling Johnson, a single man	Chesapeake Appalachia, L.L.C.	12.50%	90A/579 97A/578	
Chesapeake Appalachia, L.L.C.	Statoilhydro USA Onshore Properties Inc.			
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
Statoll USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		158A/801	
William Lester Draheim, a married man dealing in his		10 500/	004/603	
sole and separate property	Chesapeake Appalachia, L.L.C.	12.50%	90A/683	
Chesapeake Appalachia, L.L.C.	Statoilhydro USA Onshore Properties Inc.		97A/578	
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		158A/801	
Royalty Owner John J. Mensore, individually, John J. Mensore, Trustee, under the John J. Mensore Revocable Trust	n/a	n/a	n/a	23.01%
Royalty Owner John J. Mensore, individually, John J. Mensore, Trustee, under the John J. Mensore Revocable Trust dated July 12, 2001, Tulane B. Mensore, and Esta	Antero Resources Corporation	n/a 12.50%	n/a 162A/799	23.01%
Royalty Owner John J. Mensore, individually, John J. Mensore, Trustee, under the John J. Mensore Revocable Trust dated July 12, 2001, Tulane B. Mensore, and Esta Marie McCall Antero Resources Corporation	Antero Resources Corporation SWN Production Company, LLC and Statoil USA Onshore Properties Inc.			23.01%
Royalty Owner John J. Mensore, individually, John J. Mensore, Trustee, under the John J. Mensore Revocable Trust dated July 12, 2001, Tulane B. Mensore, and Esta Marie McCall Antero Resources Corporation Allen Kent Pyles, a married man dealing in his sole an	Antero Resources Corporation SWN Production Company, LLC and Statoil USA Onshore Properties Inc. d		162A/799	23.01%
Royalty Owner John J. Mensore, individually, John J. Mensore, Trustee, under the John J. Mensore Revocable Trust dated July 12, 2001, Tulane B. Mensore, and Esta Marie McCall Antero Resources Corporation Allen Kent Pyles, a married man dealing in his sole an separate property	Antero Resources Corporation SWN Production Company, LLC and Statoil USA Onshore Properties Inc. d Chesapeake Appalachia, L.L.C.	12.50%	162A/799 168A/318 138A/146	23.01%
Royalty Owner John J. Mensore, individually, John J. Mensore, Trustee, under the John J. Mensore Revocable Trust dated July 12, 2001, Tulane B. Mensore, and Esta Marie McCall Antero Resources Corporation Allen Kent Pyles, a married man dealing in his sole an separate property Chesapeake Appalachia, L.L.C.	Antero Resources Corporation SWN Production Company, LLC and Statoil USA Onshore Properties Inc. d Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc.	12.50%	162A/799 168A/318 138A/146 142A/228	23.01%
Royalty Owner John J. Mensore, individually, John J. Mensore, Trustee, under the John J. Mensore Revocable Trust dated July 12, 2001, Tulane B. Mensore, and Esta Marie McCall Antero Resources Corporation Allen Kent Pyles, a married man dealing in his sole an separate property Chesapeake Appalachia, L.L.C.	Antero Resources Corporation SWN Production Company, LLC and Statoil USA Onshore Properties Inc. d Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc.	12.50%	162A/799 168A/318 138A/146 142A/228 143A/285	23.01%
Royalty Owner John J. Mensore, individually, John J. Mensore, Trustee, under the John J. Mensore Revocable Trust dated July 12, 2001, Tulane B. Mensore, and Esta Marie McCall Antero Resources Corporation Allen Kent Pyles, a married man dealing in his sole an separate property Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C.	Antero Resources Corporation SWN Production Company, LLC and Statoil USA Onshore Properties Inc. d Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. SWN Production Company, LLC	12.50%	162A/799 168A/318 138A/146 142A/228 143A/285 157A/540	23.01%
Royalty Owner John J. Mensore, individually, John J. Mensore, Trustee, under the John J. Mensore Revocable Trust dated July 12, 2001, Tulane B. Mensore, and Esta Marie McCall Antero Resources Corporation Allen Kent Pyles, a married man dealing in his sole an separate property Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc.	Antero Resources Corporation SWN Production Company, LLC and Statoil USA Onshore Properties Inc. d Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. SWN Production Company, LLC SWN Exchange Titleholder LLC	12.50% 17%	162A/799 168A/318 138A/146 142A/228 143A/285 157A/540 158A/801	23.01%
Royalty Owner John J. Mensore, individually, John J. Mensore, Trustee, under the John J. Mensore Revocable Trust dated July 12, 2001, Tulane B. Mensore, and Esta Marie McCall Antero Resources Corporation Allen Kent Pyles, a married man dealing in his sole an separate property Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Beth A. Pyles, a widow	Antero Resources Corporation SWN Production Company, LLC and Statoil USA Onshore Properties Inc. d Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. SWN Production Company, LLC SWN Exchange Titleholder LLC Chesapeake Appalachia, L.L.C.	12.50%	162A/799 168A/318 138A/146 142A/228 143A/285 157A/540 158A/801 136A/307	23.01%
Royalty Owner John J. Mensore, individually, John J. Mensore, Trustee, under the John J. Mensore Revocable Trust dated July 12, 2001, Tulane B. Mensore, and Esta Marie McCall Antero Resources Corporation Allen Kent Pyles, a married man dealing in his sole an separate property Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Beth A. Pyles, a widow	Antero Resources Corporation SWN Production Company, LLC and Statoil USA Onshore Properties Inc. d Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. SWN Production Company, LLC SWN Exchange Titleholder LLC	12.50% 17%	162A/799 168A/318 138A/146 142A/228 143A/285 157A/540 158A/801	23.01%
Royalty Owner John J. Mensore, individually, John J. Mensore, Trustee, under the John J. Mensore Revocable Trust dated July 12, 2001, Tulane B. Mensore, and Esta Marie McCall Antero Resources Corporation Allen Kent Pyles, a married man dealing in his sole an separate property Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Beth A. Pyles, a widow Chesapeake Appalachia, L.L.C.	Antero Resources Corporation SWN Production Company, LLC and Statoil USA Onshore Properties Inc. d Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. SWN Production Company, LLC SWN Exchange Titleholder LLC Chesapeake Appalachia, L.L.C.	12.50% 17%	162A/799 168A/318 138A/146 142A/228 143A/285 157A/540 158A/801 136A/307	23.01%
Royalty Owner John J. Mensore, individually, John J. Mensore, Trustee, under the John J. Mensore Revocable Trust dated July 12, 2001, Tulane B. Mensore, and Esta Marie McCall Antero Resources Corporation Allen Kent Pyles, a married man dealing in his sole an separate property Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Beth A. Pyles, a widow Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C.	Antero Resources Corporation SWN Production Company, LLC and Statoil USA Onshore Properties Inc. d Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. SWN Production Company, LLC SWN Exchange Titleholder LLC Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc.	12.50% 17%	162A/799 168A/318 138A/146 142A/228 143A/285 157A/540 158A/801 136A/307 143A/285	23.01%
Royalty Owner John J. Mensore, Individually, John J. Mensore, Trustee, under the John J. Mensore Revocable Trust dated July 12, 2001, Tulane B. Mensore, and Esta Marie McCall Antero Resources Corporation Allen Kent Pyles, a married man dealing in his sole an separate property Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Beth A. Pyles, a widow Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc.	Antero Resources Corporation SWN Production Company, LLC and Statoil USA Onshore Properties Inc. d Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. SWN Production Company, LLC SWN Exchange Titleholder LLC Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. SWN Production Company, LLC SWN Production Company, LLC SWN Exchange Titleholder LLC	12.50% 17% 17%	162A/799 168A/318 138A/146 142A/228 143A/285 157A/540 158A/801 136A/307 143A/285 157A/540 158A/801	23.01%
Royalty Owner John J. Mensore, individually, John J. Mensore, Trustee, under the John J. Mensore Revocable Trust dated July 12, 2001, Tulane B. Mensore, and Esta Marie McCall Antero Resources Corporation Allen Kent Pyles, a married man dealing in his sole an separate property Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Beth A. Pyles, a widow Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Beverly Mason, a married man dealing in her sole and	Antero Resources Corporation SWN Production Company, LLC and Statoil USA Onshore Properties Inc. d Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. SWN Production Company, LLC SWN Exchange Titleholder LLC Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. SWN Production Company, LLC SWN Production Company, LLC SWN Exchange Titleholder LLC	12.50% 17%	162A/799 168A/318 138A/146 142A/228 143A/285 157A/540 158A/801 136A/307 143A/285 157A/540	23.01%
Royalty Owner John J. Mensore, individually, John J. Mensore, Trustee, under the John J. Mensore Revocable Trust dated July 12, 2001, Tulane B. Mensore, and Esta Marie McCall Antero Resources Corporation Allen Kent Pyles, a married man dealing in his sole an separate property Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Beth A. Pyles, a widow Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Beth A. Pyles, a widow Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Beverly Mason, a married man dealing in her sole and separate property	Antero Resources Corporation SWN Production Company, LLC and Statoil USA Onshore Properties Inc. d Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. SWN Production Company, LLC SWN Exchange Titleholder LLC Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. SWN Production Company, LLC SWN Exchange Titleholder LLC	12.50% 17% 17%	162A/799 168A/318 138A/146 142A/228 143A/285 157A/540 158A/801 136A/307 143A/285 157A/540 158A/801	23.01%
Royalty Owner John J. Mensore, individually, John J. Mensore, Trustee, under the John J. Mensore Revocable Trust dated July 12, 2001, Tulane B. Mensore, and Esta Marie McCall Antero Resources Corporation Allen Kent Pyles, a married man dealing in his sole an separate property Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Beth A. Pyles, a widow Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Beth A. Pyles, a widow Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Beverly Mason, a married man dealing in her sole and separate property Chesapeake Appalachia, L.L.C.	Antero Resources Corporation SWN Production Company, LLC and Statoil USA Onshore Properties Inc. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. SWN Production Company, LLC SWN Exchange Titleholder LLC Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. SWN Production Company, LLC SWN Exchange Titleholder LLC Chesapeake Appalachia, L.L.C.	12.50% 17% 17%	162A/799 168A/318 138A/146 142A/228 143A/285 157A/540 158A/801 136A/307 143A/285 157A/540 158A/801 139A/533	23.01%
Royalty Owner John J. Mensore, individually, John J. Mensore, Trustee, under the John J. Mensore Revocable Trust dated July 12, 2001, Tulane B. Mensore, and Esta Marie McCall Antero Resources Corporation Allen Kent Pyles, a married man dealing in his sole an separate property Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Beth A. Pyles, a widow Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Beth A. Pyles, a widow Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Beverly Mason, a married man dealing in her sole and separate property Chesapeake Appalachia, L.L.C.	Antero Resources Corporation SWN Production Company, LLC and Statoil USA Onshore Properties Inc. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. SWN Production Company, LLC SWN Exchange Titleholder LLC Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. SWN Production Company, LLC SWN Exchange Titleholder LLC Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc.	12.50% 17% 17%	162A/799 168A/318 138A/146 142A/228 143A/285 157A/540 158A/801 136A/307 143A/285 157A/540 158A/801 139A/533 143A/285	23.01%
Royalty Owner John J. Mensore, individually, John J. Mensore, Trustee, under the John J. Mensore Revocable Trust dated July 12, 2001, Tulane B. Mensore, and Esta Marie McCall Antero Resources Corporation Allen Kent Pyles, a married man dealing in his sole an separate property Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Beth A. Pyles, a widow Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Beth A. Pyles, a widow Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Beverly Mason, a married man dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C.	Antero Resources Corporation SWN Production Company, LLC and Statoil USA Onshore Properties Inc. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. SWN Production Company, LLC SWN Exchange Titleholder LLC Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. SWN Production Company, LLC SWN Exchange Titleholder LLC Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc.	12.50% 17% 17%	162A/799 168A/318 138A/146 142A/228 143A/285 157A/540 158A/801 136A/307 143A/285 157A/540 158A/801 139A/533 143A/285 143A/285 143A/227	23.01%
Royalty Owner John J. Mensore, individually, John J. Mensore, Trustee, under the John J. Mensore Revocable Trust dated July 12, 2001, Tulane B. Mensore, and Esta Marie McCall Antero Resources Corporation Allen Kent Pyles, a married man dealing in his sole an separate property Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Beth A. Pyles, a widow Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Beverly Mason, a married man dealing in her sole an separate property Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Beverly Mason, a married man dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Brenda Pittman, a married woman dealing in her sole	Antero Resources Corporation SWN Production Company, LLC and Statoil USA Onshore Properties Inc. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. SWN Production Company, LLC SWN Exchange Titleholder LLC Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. SWN Production Company, LLC SWN Exchange Titleholder LLC Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. SWN Exchange Titleholder LLC Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. SWN Production Company, LLC SWN Exchange Titleholder LLC	12.50% 17% 17%	162A/799 168A/318 138A/146 142A/228 143A/285 157A/540 158A/801 136A/307 143A/285 157A/540 158A/801 139A/533 143A/285 143A/227 157A/540	23.01%
Royalty Owner John J. Mensore, Individually, John J. Mensore, Trustee, under the John J. Mensore Revocable Trust dated July 12, 2001, Tulane B. Mensore, and Esta Marie McCall Antero Resources Corporation Allen Kent Pyles, a married man dealing in his sole an separate property Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Beth A. Pyles, a widow Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Beverly Mason, a married man dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Beverly Mason, a married man dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Brenda Pittman, a married woman dealing in her sole and separate property	Antero Resources Corporation SWN Production Company, LLC and Statoil USA Onshore Properties Inc. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. SWN Production Company, LLC SWN Exchange Titleholder LLC Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. SWN Production Company, LLC SWN Exchange Titleholder LLC Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. SWN Production Company, LLC SWN Exchange Titleholder LLC	12.50% 17% 17%	162A/799 168A/318 138A/146 142A/228 143A/285 157A/540 158A/801 136A/307 143A/285 157A/540 158A/801 139A/533 143A/285 143A/227 157A/540 158A/801	23.01%
Royalty Owner John J. Mensore, Individually, John J. Mensore, Trustee, under the John J. Mensore Revocable Trust dated July 12, 2001, Tulane B. Mensore, and Esta Marie McCall Antero Resources Corporation Allen Kent Pyles, a married man dealing in his sole an separate property Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Beth A. Pyles, a widow Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Beverly Mason, a married man dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Brenda Pittman, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C.	Antero Resources Corporation SWN Production Company, LLC and Statoil USA Onshore Properties Inc. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. SWN Production Company, LLC SWN Exchange Titleholder LLC Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. SWN Production Company, LLC SWN Exchange Titleholder LLC Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. SWN Production Company, LLC SWN Exchange Titleholder LLC Chesapeake Appalachia, L.L.C. SWN Exchange Titleholder LLC	12.50% 17% 17%	162A/799 168A/318 138A/146 142A/228 143A/285 157A/540 158A/801 136A/307 143A/285 157A/540 158A/801 139A/533 143A/285 143A/227 157A/540 158A/801 140A/40 143A/227	23.01%
Royalty Owner John J. Mensore, individually, John J. Mensore, Trustee, under the John J. Mensore Revocable Trust dated July 12, 2001, Tulane B. Mensore, and Esta Marie McCall Antero Resources Corporation Allen Kent Pyles, a married man dealing in his sole an separate property Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Beth A. Pyles, a widow Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Beverly Mason, a married man dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Brenda Pittman, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C.	Antero Resources Corporation SWN Production Company, LLC and Statoil USA Onshore Properties Inc. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. SWN Production Company, LLC SWN Exchange Titleholder LLC Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. SWN Production Company, LLC SWN Exchange Titleholder LLC Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. SWN Production Company, LLC SWN Exchange Titleholder LLC	12.50% 17% 17%	162A/799 168A/318 138A/146 142A/228 143A/285 157A/540 158A/801 136A/307 143A/285 157A/540 158A/801 139A/533 143A/285 143A/227 157A/540 158A/801	23.01%
Royalty Owner John J. Mensore, individually, John J. Mensore, Trustee, under the John J. Mensore Revocable Trust dated July 12, 2001, Tulane B. Mensore, and Esta Marie McCall Antero Resources Corporation Allen Kent Pyles, a married man dealing in his sole an separate property Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Beth A. Pyles, a widow Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Beverly Mason, a married man dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Brenda Pittman, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Brenda Pittman, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Brenda Pittman, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc.	Antero Resources Corporation SWN Production Company, LLC and Statoil USA Onshore Properties Inc. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. SWN Production Company, LLC SWN Exchange Titleholder LLC Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. SWN Production Company, LLC SWN Exchange Titleholder LLC Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. SWN Production Company, LLC SWN Exchange Titleholder LLC Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. SWN Exchange Titleholder LLC	12.50% 17% 17%	162A/799 168A/318 138A/146 142A/228 143A/285 157A/540 158A/801 136A/307 143A/285 157A/540 158A/801 139A/533 143A/285 143A/227 157A/540 158A/801 140A/40 143A/227 157A/540	23.01%
Royalty Owner John J. Mensore, individually, John J. Mensore, Trustee, under the John J. Mensore Revocable Trust dated July 12, 2001, Tulane B. Mensore, and Esta Marie McCall Antero Resources Corporation Allen Kent Pyles, a married man dealing in his sole an separate property Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Beth A. Pyles, a widow Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Beth A. Pyles, a widow Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Beverly Mason, a married man dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Brenda Pittman, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Brenda Pittman, a true and separate property Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C.	Antero Resources Corporation SWN Production Company, LLC and Statoil USA Onshore Properties Inc. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. SWN Production Company, LLC SWN Exchange Titleholder LLC Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. SWN Production Company, LLC SWN Exchange Titleholder LLC Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. SWN Production Company, LLC SWN Exchange Titleholder LLC Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc. SWN Production Company, LLC SWN Exchange Titleholder LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Exchange Titleholder LLC	12.50% 17% 17% 17%	162A/799 168A/318 138A/146 142A/228 143A/285 157A/540 158A/801 136A/307 143A/285 157A/540 158A/801 139A/533 143A/285 143A/227 157A/540 158A/801 140A/40 143A/227 157A/540	23.01%
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Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		143A/227
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540 158A/801
Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		1584/801
Edwin Lee Pyles and Belinda L. Pyles, his wife	Chesapeake Appalachia, L.L.C.	17%	137A/425
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		142A/228
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		143A/285
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540
Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		158A/801
Flossie Kourey, a widow	Chesapeake Appalachia, L.L.C.	17%	137A/440
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		142A/228
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		143A/285
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540
Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		158A/801
Fonda Ruth Judge, a widow	Chesapeake Appalachia, L.L.C.	17%	140A/35
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540
Gary Johnson, a/k/a Gary W. Johnson, a widower	Chesapeake Appalachia, L.L.C.	17%	144A/75
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		149A/269
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540
Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		158A/801
George E. Morris and Lynn M. Morris, husband and			4004 /8
wife	EQT Production Company SWN Production Company, LLC/Equinor USA	15%	190A/523
EQT Production Company	Onshore Properties, Inc.		279A/35
Glen O. Gilbert, a/k/a Glen Gilbert and Charlotte Y.		470/	4064 (000
Gilbert, his wife	Chesapeake Appalachia, L.L.C.	17%	136A/322
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		143A/285
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540
Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		158A/801
Helen Margaret Downey Pile, a married woman			
dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	17%	140A/449
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		143A/227
Chesapeake Appalachia, L.L.C. Ivy J. Davies, a/k/a Ivy Davies and Kenneth Davies, her	SWN Production Company, LLC		157A/540
husband	Chesapeake Appalachia, L.L.C.	17%	143A/254
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		149A/269
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540
Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		158A/801
Jerry N. Morris, a single man	EQT Production Company SWN Production Company, LLC/Equinor USA	15%	191A/921
EQT Production Company	Onshore Properties, Inc.		279A/35
Joanne E. Mason, a widow	Chesapeake Appalachia, L.L.C.	17%	136A/10
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		143A/285
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540
Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		158A/801
Jona Ra Williamson and Raymond Williamson, her husband	Chesapeake Appalachia, L.L.C.	17%	137A/430
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.	1.10	142A/228
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		143A/285
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540
Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		158A/801
Kevin Eugene Pyles and Martha P. Pyles, his wife	Chesapeake Appalachia, L.L.C.	17%	137A/445
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.	2770	142A/228
Chesapeake Appalachia, L.L.C.	Statoli USA Onshore Properties Inc.		143A/285
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540
Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		158A/801
Linda Kay Gierke, a married woman dealing in her sole	Chesapeake Appalachia, L.L.C.	17%	
and separate property Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.	1/70	139A/538 143A/285
Chesapeake Appalachia, L.L.C.	Statoli USA Onshore Properties Inc.		143A/285 143A/227
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		143A/227 157A/540
Statoil USA Onshore Properties Inc.	SWN Production Company, LLC SWN Exchange Titleholder LLC		157A/540 158A/801
Marlene H. Prosser, a/k/a Molly Prosser and David P.		4 704	
Prosser, her husband	Chesapeake Appalachia, L.L.C.	17%	143A/259
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		149A/269
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540
Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		158A/801

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Marlene J. Postlethwait, a/k/a Marlene Postlethwait,			
a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	17%	136A/312
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		143A/285
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540
Statoil USA Onshore Properties Inc. Martha Diana Flowers, a married woman dealing in	SWN Exchange Titleholder LLC		158A/801
her sole and separate property	Chesapeake Appalachia, L.L.C.	17%	137A/420
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		142A/228
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		143A/285
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540
Statoil USA Onshore Properties Inc. Mitzilou Cecil, a/k/a Mitzi Lou Cecil and Floyd Cecil,	SWN Exchange Titleholder LLC		158A/801
her husband	Chesapeake Appalachia, L.L.C.	17%	136A/317
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		143A/285
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540
Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		158A/801
Molli-B Morris, a single woman	EQT Production Company SWN Production Company, LLC/Equinor USA	15%	190A/521
EQT Production Company	Onshore Properties, Inc.		279A/35
R.D. Morris, Jr., a/k/a Robert D. Morris, a married mar	n Chesapeake Appalachia, L.L.C.	17%	144A/460
dealing in his sole and separate property Chesapeake Appalachia, L.L.C.	Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc.	1/70	144A/460 157A/504
	·		157A/540
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540 158A/801
Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		
Robert O'Neil, a/k/a Bob O'Neil, a single man	Chesapeake Appalachia, L.L.C.	17%	144A/91
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		149A/269
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540
Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		158A/801
Ronald O'Neil, a/k/a Ron O'Neil, a single man	Chesapeake Appalachia, L.L.C.	17%	144A/95
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		157A/504
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540
Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		158A/801
Shirley Ebert, a/k/a Shirley K. Ebert, a widow	Chesapeake Appalachia, L.L.C.	17%	136A/327
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		143A/285
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540
Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		158A/801
Starlet R. Eiting, a single woman	EQT Production Company SWN Production Company, LLC/Equinor USA	15%	191A/923
EQT Production Company Sue Carol Davisson and William G. Davisson, her	Onshore Properties, Inc.		279A/35
husband	Chesapeake Appalachia, L.L.C.	17%	139A/288
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		142A/228
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		143A/285
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540
Statoil USA Onshore Properties Inc. Tracy G. Matthews, married man dealing in his sole	SWN Exchange Titleholder LLC		158A/801
and separate property	EQT Production Company SWN Production Company, LLC/Equinor USA	15%	191/919
EQT Production Company	Onshore Properties, Inc.		279A/35
Amy M. Thomas, married dealing in her sole and separate property	SW/N Production Company, LLC	170/	29EA /7EC
Separate property B. Kenneth Richmond, widower	SWN Production Company, LLC	17%	285A/756
Beth Ann Baker	SWN Production Company, LLC SWN Production Company, LLC	17% 17%	277A/134 290A/149
Bradley J. Pyles, married dealing in his sole and separate property	SWN Production Company, LLC	17%	279A/710
Carla Sue Strahl, a married woman dealing in her sole and separate property	SWN Production Company, LLC	15%	189A/539
Carol E. Cain, widow	SWN Production Company, LLC	17%	278A/665
Cathy S. Pyles, single	SWN Production Company, LLC	17%	277A/500
Charles B. Strope, a married man dealing in his sole and separate property	SWN Production Company, LLC	15%	189A/545
Darlene Braun, married dealing in her sole and separate property			
Debra L. West	SWN Production Company, LLC	17%	277A/516
	SWN Production Company, LLC	17%	277A/124
Donna G. Smittle and Dillon R. Smittle, her husband Douglas P. Moats, married dealing in his sole and	SWN Production Company, LLC	17%	284A/363
separate property	SWN Production Company, LLC	17%	284A/358

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	Sector Sector Sector Sector Sector				
	Floyd P. Doty and Linda S. Doty, married couple, dealing in their sole and separate properties	SWN Production Company, LLC	18%	282A/492	
	Gary H. Kappel	SWN Production Company, LLC	17%	277A/129	
	Gary W. Strope, a married man dealing in his sole and		244		
	separate property	SWN Production Company, LLC	15%	189A/543	
	Hubert Morris, single	SWN Production Company, LLC	17%	277A/139	
	Janet W. Bole, widow	SWN Production Company, LLC	17%	281A/429	
	Jeffrey M. Jolliff, single Jill D. Regan, married dealing in her sole and separate	SWN Production Company, LLC	17%	279A/665	
	property Jill V. Lee, married dealing in her sole and separate	SWN Production Company, LLC	17%	283A/412	
	property John J. Yoho, married dealing in his sole and separate	SWN Production Company, LLC	17%	283A/789	
	property John W. Kerns Heirs Trust Under Agreement dated September 1st, 1962, by United Bank, as Successor	SWN Production Company, LLC	17%	292A/580 287A/788	
	Trustee JPMorgan Chase Bank, N.A., Trustee of the Will E.	SWN Production Company, LLC	20%		
	Morris Heirs Trust	SWN Production Company, LLC	20%	292A/703	
	Judith C. Beltz, divorced Judith G. Carter, married dealing in her sole and	SWN Production Company, LLC	17%	280A/354	
	separate property	SWN Production Company, LLC	17%	280A/370	
	Judith L. Greer, a widow	SWN Production Company, LLC	17%	273A/860	
	Kathryn Pyles, single	<b>SWN Production Company, LLC</b>	17%	277A/511	
	Linda L. Oliver, widow	SWN Production Company, LLC	17%	282A/575	
	Margie Lucille Jolliff, widow	SWN Production Company, LLC	17%	283A/794	
	Mark H. Yarosz	SWN Production Company, LLC	17%	284A/348	
	Martha A. McConnell Martha E. Genig, married dealing in her sole and	SWN Production Company, LLC	17%	289A/624	
	separate property	SWN Production Company, LLC	17%	262A/764	
	Mary E. Mitchem, divorced	SWN Production Company, LLC	17%	284A/353	
	Mary L. Kemp and David B. Kemp, her husband	SWN Production Company, LLC	17%	277A/119	
	Morris Mountaineer Oil and Gas, LLC	SWN Production Company, LLC	20%	281A/425	
	Patricia Y. Warthan Roger S. Strope, a married man dealing in his sole and	SWN Production Company, LLC	17%	285A/199	
	separate property	SWN Production Company, LLC	15%	189A/541	
	Sally Lou Anderson, single	SWN Production Company, LLC	17%	277A/506	
	Scott A. Parsons	SWN Production Company, LLC	17%	278A/660	
	Suzanne B. Wallace Suzanne D. Walls, married delaing in her sole and	SWN Production Company, LLC	17%	285A/204	
	separate property	SWN Production Company, LLC	17%	284A/343	
	The Sidney Austin Smith Trust, LLC Theresa Jean Brewington, married dealing in her sole	SWN Production Company, LLC	20%	281A/427	
	and separate property Vicki J. Miles, married dealing in her sole and separate		17%	278A/670	
	property William L. Jolliff, married dealing in his sole and	SWN Production Company, LLC	17%	280A/338	
	separate property	SWN Production Company, LLC	17%	279A/645	
-1-10	Royalty Owner	n/a	n/a	n/a	21.54%
	Alcinda Lou Fox Santonas, a/k/a Alcinda Lou Santonas widow	SWN Production Company, LLC	17%	263A/305	
	Alice Ann Wise, single	SWN Production Company, LLC	17%	266A/6	
	Allan Karl Draheim, married dealing in his sole and separate property	SWN Production Company, LLC	18%	264A/216	
	Andra Emarie Gorby, single	SWN Production Company, LLC	17%	282A/549	
	Anita Carol Childrers, widow	SWN Production Company, LLC	17%	282A/515	
	Barbara J. Draheim, single	SWN Production Company, LLC	17%	263A/300	
	Barbara Lee Garrett and Daniel R. Garrett, her husband	SWN Production Company, LLC	17%	265A/402	
	Benjamin F. Farrell, a single man	SWN Production Company, LLC	15%	189A/423	
	Bernard J. Farrell, a single man	SWN Production Company, LLC	15%	193A/115	
	Bernard V. Kelly, Jr., a/k/a Bernard Kelly, and Cheryl L.	and a state of the second		17421244	
	Kelly, his wife	SWN Production Company, LLC	17%	269A/565	
	Betty Jean Stanley Connelly, widow	SWN Production Company, LLC	17%	284A/431	
	Bruce E. Gorby and Betty Lou Gorby, his wife Bruce R. Harmon, married dealing in her sole and	SWN Production Company, LLC	17%	279A/682	
	separate property	SWN Production Company, LLC	17%	286A/506	
	Carolyn Davis Gorby, widow	SWN Production Company, LLC	17%	279A/705	Offic
	Charles F. Barnard, single	SWN Production Company, LLC	17%	284A/170	

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eparate property	SWN Production Company, LLC	17%	281A/495
Caye Estes Everett	SWN Production Company, LLC	17%	282A/486
Church of Christ Coschocton	SWN Production Company, LLC	17%	282A/520
harles William Baier, widower	SWN Production Company, LLC	17%	268A/69
hristopher S. Byrd, single atherine B. DiFlorio, married dealing in her sole and	SWN Production Company, LLC	17%	282A/469
eparate property lifford J. Thompson, Jr, married dealing in his sole	SWN Production Company, LLC	17%	283A/400
	SWN Production Company, LLC	17%	283A/845
oschocton Foundation, an Ohio corporation not for	SWN Production Company, LLC	17%	260A/543
	SWN Production Company, LLC	17%	279A/660
• •	SWN Production Company, LLC	17%	285A/733
aniel P. Kelly, married dealing in his sole and	SWN Production Company, LLC	17%	278A/198
	SWN Production Company, LLC	17%	260A/525
	SWN Production Company, LLC	17%	281A/455
Debra L. Phillips, single	SWN Production Company, LLC	17%	279A/633
Dennis M. Connelly and Cathy L. Connelly, his wife	SWN Production Company, LLC	17%	264A/523
Dolly C. Clark, a widow	SWN Production Company, LLC	17%	280A/359
Dona L. Smith, widow	SWN Production Company, LLC	17%	261A/113
Donald K. Mason, widower	SWN Production Company, LLC	17%	261A/93
Douglas H. Arnold and Cheryl D. Arnold, his wife	SWN Production Company, LLC	17%	278A/655
mily K. Harmon, married dward Michael Draheim, married dealing in his sole	SWN Production Company, LLC	16%	284A/378
	SWN Production Company, LLC	18%	264A/206
Evelyn Denise Hall, single	SWN Production Company, LLC	17%	282A/510
Frank A. Farrell	SWN Production Company, LLC	15%	190A/413
Frank Wasler, single	SWN Production Company, LLC	16%	282A/560
S. Joan Stockton and Robert Stockton, her husband Seorge Steven Donaghy and Kathy Lynn Donaghy, his	SWN Production Company, LLC	17%	261A/841
	SWN Production Company, LLC	16%	283A/851
Sail Thomas Fox and Barbara Anne Fox, his wife Sary Wayne Draheim, Jr., married dealing in his sole	SWN Production Company, LLC	17%	265A/385
	SWN Production Company, LLC	18%	268A/16
	SWN Production Company, LLC	18%	263A/837
Gerald Elwood Dean, single Hawley P. Harmon, married dealing in his sole and	SWN Production Company, LLC	18%	264A/148
	SWN Production Company, LLC	17%	284A/373
Harold R. Boyd, single	SWN Production Company, LLC	17%	281A/483
loshua Lewis Harmon, single	SWN Production Company, LLC	17%	284A/368
Fyler Jacob Harmon, single David W. Gorby, married dealing in his sole and	SWN Production Company, LLC	17%	283A/856
separate property	SWN Production Company, LLC	17%	279A/628
Melissa Ann Gorby Butler n/k/a Melissa Ann Butler,	SWN Production Company, LLC	17%	281A/460
Ŧ	SWN Production Company, LLC	17%	279A/655
Marshall H. Gorby and Rhonda L. Gorby	SWN Production Company, LLC SWN Production Company, LLC	17% 17%	264A/211 284A/333
ohn D. Wise, married dealing in his sole and separate	SMAN Droduction Company 14 C	1 70/	360+/63
	SWN Production Company, LLC	17%	268A/63
loanne Lynn Schricker, married dealing in her sole and	SWN Production Company, LLC	17%	292A/703
	SWN Production Company, LLC	17%	284A/413
ohn W. Daugherty and Mary Jane Daugherty, his wife		17%	286A/514
	SWN Production Company, LLC	17%	278A/187
	SWN Production Company, LLC	17%	265A/412
	SWN Production Company, LLC SWN Production Company, LLC	18% 17%	263A/821 269A/610
Kathleen M. Ciorra, married dealing in her sole and separate property Kathy A. Trommer, a/k/a Catherine Limbaugh, a/k/a	SWN Production Company, LLC	17%	284A/419
	SWN Production Company, LLC	17%	269A/582
	SWN Production Company, LLC		
Kent E. Arnold and Mary Ann Arnold, his wife	SWIN Production Company, LLC	17%	278A/203

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Lance Edward Draheim, married dealing in his sole	SWN Production Company, LLC	18%	267A/462
and separate property Laura Jean Mason, married dealing in her sole and			
separate property	SWN Production Company, LLC	17%	284A/425
Laura L. Borick, f/k/a, Laura Lee Stocks, married			
dealing in her sole and separate property	SWN Production Company, LLC	17%	265A/390
Linda Sue Horton-Ray Louis David Williams, III, a married man dealing in his	SWN Production Company, LLC	17%	285A/795
sole and separate property	SWN Production Company, LLC	18%	277A/521
Louis David Williams, Jr., married dealing in his sole and separate property	SWN Production Company, LLC	18%	268A/58
Lynn Brockman Ellis, married dealing in her sole and	Switter budgeton company, Lee	10/0	2007930
separate property	SWN Production Company, LLC	17%	284A/338
Margaret Daugherty, a widow Marilyn Jo Alhanati, married dealing in her sole and	SWN Production Company, LLC	17%	269A/576
separate property	SWN Production Company, LLC	17%	263A/816
Martha A. Frank and Ronald J. Frank, her husband	SWN Production Company, LLC	17%	264A/535
		1770	2041 ( 000
Mary Louise Gault aka Mary Lou Gault, single	SWN Production Company, LLC	17%	279A/639
Mary Snead, a/k/a Mary Louise Snead, married			
dealing in her sole and separate property Mary P. Christy, f/k/a Mary P. Morris, f/k/a Mary	SWN Production Company, LLC	17%	265A/434
Stocks, married dealing in her sole and separate			
property	SWN Production Company, LLC	17%	267A/446
Marcie Jo Naber, married dealing in her sole and separate property	SWN Production Company, LLC	17%	285A/790
Michael A. Daugherty, a/k/a Michael Albert			
Daugherty, a married man dealing in his sole and separate property	SWN Production Company, LLC	17%	144A/79
Michael Ross Draheim, married dealing in his sole and			
separate property Michael Taylor, married dealing in his sole and	SWN Production Company, LLC	18%	269A/560
separate property	SWN Production Company, LLC	17%	280A/349
Michelle LeCroy, f/k/a Michelle Lee Dolin and James R. LeCroy, her husband	SWN Production Company, LLC	17%	265A/428
Mitchell Taylor, married dealing in her sole and	Swit Production Company, ELC	1770	2034/428
separate property Timothy L. Erodorick and Ramola R. Erodorick, a	SWN Production Company, LLC	17%	281A/434
Timothy J. Frederick and Pamela B. Frederick, a married couple	SWN Production Company, LLC	17%	280A/364
Margaret McFarland Glaser, married dealing in her			
sole and separate property Patrick T. Stocks, married dealing in his sole and	SWN Production Company, LLC	17%	285A/784
separate property	SWN Production Company, LLC	17%	265A/396
Marie Ann Strasser, widow	SWN Production Company, LLC	17%	282A/525
Mark Edward Strasser Phillip Hunter Draheim, married dealing in his sole	SWN Production Company, LLC	17%	281A/508
and separate property	SWN Production Company, LLC	18%	267A/467
Jeanne Strasser Geusz, married dealing in her sole and separate property	SWN Production Company, LLC	17%	281A/477
Melodie Rochelle, married dealing in her sole and	Sww Production Company, LCC	1770	2014/4//
separate property	SWN Production Company, LLC	17%	285A/745
Molly Strasser, single	SWN Production Company, LLC	17%	282A/537
Nancy J. Thompson, widow	SWN Production Company, LLC	17%	283A/833
Nancy Ruth Daugherty	SWN Production Company, LLC	17%	290A/545
Nancy Strasser Lehnhart, single Nicholas D. Strasser, married dealing in his sole and	SWN Production Company, LLC	17%	283A/417
separate property	SWN Production Company, LLC	17%	281A/514
Timothy J. Strasser, married dealing in his sole and separate property	SWN Production Company, LLC	17%	282A/480
Marcus E. Farrell, a married man dealing in his sole			
and separate property	SWN Production Company, LLC	15%	189A/427
Nancy Osborn, a single woman Varena J. Kessel, a married woman dealing in her sole	SWN Production Company, LLC	15%	189A/438
and separate property	SWN Production Company, LLC	15%	189A/322
Raymond B. Daugherty and Rheda N. Daugherty, his wife	SWN Production Company, LLC	17%	263A/315
Raymond J. Daugherty and Dianna H. Daugherty, his	State in Company, LLC	1/70	2034/313
wife	SWN Production Company, LLC	17%	261A/835
Rex Wilburn, widower Richard Albert Daughtery, married dealing in his sole	SWN Production Company, LLC	17%	261A/819
and separate property	SWN Production Company, LLC	17%	285A/193
Richard M. Martini, single	SWN Production Company, LLC	17%	277A/909
Edward Franklin Estes, married dealing in his sole and			
separate property	SWN Production Company, LLC	17%	282A/570

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Cathy L. Sneed, married dealing in her sole and			
separate property	SWN Production Company, LLC	17%	281A/495
Charles William Baier, widower	SWN Production Company, LLC	17%	268A/69
Christopher S. Byrd, single	SWN Production Company, LLC	17%	282A/469
Cindy Adams, married dealing in her sole and separate property	SWN Production Company, LLC	17%	277A/98
Clarita V. Bash, widow	SWN Production Company, LLC	17%	264A/190
Catherine B. DiFlorio, married dealing in her sole and			
separate property	SWN Production Company, LLC	17%	283A/400
Clifford J. Thompson, Jr, married dealing in his sole			
and separate property Stophon D. Thompson, married dealing in his cole and	SWN Production Company, LLC	17%	283A/845
Stephen D. Thompson, married dealing in his sole and separate property	SWN Production Company, LLC	17%	288A/237
Daniel P. Kelly, married dealing in his sole and			
separate property	SWN Production Company, LLC	17%	268A/32
Debra L. Phillips, single	SWN Production Company, LLC	17%	279A/633
Debra Ann Piktel, married dealing in her sole and			
separate property	SWN Production Company, LLC	17%	277A/537
Dennis M. Connelly and Cathy L. Connelly, his wife	SWN Production Company, LLC	17%	264A/523
Dona L. Smith, widow	SWN Production Company, LLC	17%	264A/158
Donald K. Mason, widower	SWN Production Company, LLC	17%	268A/37
Dorothy A. Baier, widow	SWN Production Company, LLC	17%	285A/733
Eric J. Moore, single	SWN Production Company, LLC	17%	277A/526
Frank A. Farrell, married dealing in his sole and			
separate property	SWN Production Company, LLC	17%	285A/761
G. Joan Stockton and Robert Stockton, her husband	SWN Production Company, LLC	17%	269A/571
Gregory A. Gorby, married dealing in his sole and separate property	SWN Production Company, LLC	17%	278A/182
Harold R. Boyd, single	SWN Production Company, LLC	17%	281A/483
Jeanne Strasser Geusz, married dealing in her sole and	• •	1,70	2017,405
separate property	SWN Production Company, LLC	17%	281A/477
Joanne Lynn Schricker, married dealing in her sole and			
separate property	SWN Production Company, LLC	17%	284A/413
John Allan Moore, a/k/a John A. Moore, married			
dealing in his sole and separate property	SWN Production Company, LLC	18%	283A/423
John D. Wise, married dealing in his sole and separate			
property	SWN Production Company, LLC	17%	268A/63
John W. Daugherty and Mary Jane Daugherty, his wife	SWN Broduction Company LLC	17%	286A/514
Joseph M. Martini, single	SWN Production Company, LLC	17%	278A/187
Julie Stocks, f/k/a Julie Marie Handy, single	SWN Production Company, LLC	17%	265A/412
Kathleen E. Daugherty, widow	SWN Production Company, LLC	17%	269A/610
Kathleen M. Ciorra, married dealing in her sole and	Switt Production Company, ELC	1776	205A/010
separate property	SWN Production Company, LLC	17%	284A/419
Kathy A. Trommer, a/k/a Catherine Limbaugh, a/k/a			
Kathryn Lambaugh, widow	SWN Production Company, LLC	17%	269A/582
Kevin L. Strasser, single	SWN Production Company, LLC	17%	281A/489
Kevin R. Milliken, a married dealing in his sole and separate property	SWN Production Company, LLC	17%	7774/00
Laura Jean Mason, married dealing in her sole and	Switt Floudedon Company, LLC	1778	277A/88
separate property	SWN Production Company, LLC	17%	284A/425
Laura L. Borick, f/k/a, Laura Lee Stocks, married dealing in her sole and separate property	SWAI Deaduction Commence LLC	170/	2004/200
Margaret Daugherty, a widow	SWN Production Company, LLC	17%	265A/390
Margaret McFarland Glaser, married dealing in her	SWN Production Company, LLC	17%	269A/576
sole and separate property	SWN Production Company, LLC	17%	285A/784
Martha A. Frank and Ronald J. Frank, her husband	SWN Production Company, LLC	17%	264A/535
Mary Louise Gault aka Mary Lou Gault, single	SWN Production Company, LLC	17%	279A/639
many source event and many sources, single	Switt i roduction company, eec	17/8	2754,035
Mary Snead, a/k/a Mary Louise Snead, married			
dealing in her sole and separate property	SWN Production Company, LLC	17%	265A/434
dealing in her sole and separate property Mary P. Christy, f/k/a Mary P. Morris, f/k/a Mary	SWN Production Company, LLC	17%	265A/434
dealing in her sole and separate property			
dealing in her sole and separate property Mary P. Christy, f/k/a Mary P. Morris, f/k/a Mary Stocks, married dealing in her sole and separate	SWN Production Company, LLC SWN Production Company, LLC	17%	265A/434 267A/446
dealing in her sole and separate property Mary P. Christy, f/k/a Mary P. Morris, f/k/a Mary Stocks, married dealing in her sole and separate property			
dealing in her sole and separate property Mary P. Christy, f/k/a Mary P. Morris, f/k/a Mary Stocks, married dealing in her sole and separate property Michelle LeCroy, f/k/a Michelle Lee Dolin and James	SWN Production Company, LLC	17%	267A/446
dealing in her sole and separate property Mary P. Christy, f/k/a Mary P. Morris, f/k/a Mary Stocks, married dealing in her sole and separate property Michelle LeCroy, f/k/a Michelle Lee Dolin and James R. LeCroy, her husband	SWN Production Company, LLC SWN Production Company, LLC	17% 17%	267A/446 265A/428
dealing in her sole and separate property Mary P. Christy, f/k/a Mary P. Morris, f/k/a Mary Stocks, married dealing in her sole and separate property Michelle LeCroy, f/k/a Michelle Lee Dolin and James R. LeCroy, her husband Molly Strasser, single	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	17% 17% 17%	267A/446 265A/428 282A/537

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	Marcus E. Farrell, a married man dealing in his sole					
	and separate property	SWN Production Company, LLC	17%	284A/437	1	
	Nancy J. Thompson, widow	SWN Production Company, LLC	17%	283A/833		
	Nancy Osborn, widow	SWN Production Company, LLC	17%	281A/439		
		SWN Production Company, LLC	17%	283A/417		
	Nancy Strasser Lehnhart, single		17%	290A/545		
	Nancy Ruth Daugherty Nicholas D. Strasser, married dealing in his sole and	SWN Production Company, LLC	1776	230/1043		
	separate property	SWN Production Company, LLC	17%	281A/514		
	Patrick T. Stocks, married dealing in his sole and			•		
	separate property	SWN Production Company, LLC	17%	265A/396		
	Raymond B. Daugherty and Rheda N. Daugherty, his					
	wife	SWN Production Company, LLC	17%	264A/195		
	Richard Albert Daughtery, married dealing in his sole	CM/N Deaduration Commence 11 C	170/	2054/102		
	and separate property	SWN Production Company, LLC	17%	285A/193		
	Richard M. Martini, single Robert A. Petitte, Jr., married dealing in his sole and	SWN Production Company, LLC	17%	277A/909		
	separate property	SWN Production Company, LLC	17%	278A/170		
			2000	2.0.92.0		
	Robert W. Milliken and Sandra Milliken, his wife	SWN Production Company, LLC	17%	264A/137		
	Roberta A. Raymond, widow	SWN Production Company, LLC	17%	268A/42		
	Robin Strasser, single	SWN Production Company, LLC	17%	282A/543		
	Rose Ann McGillvary and Daniel R. McGillvary, her					
	husband	SWN Production Company, LLC	17%	265A/944		
	Ruth Ann Gianni, a/k/a Ruth Kelly, and Robert Gianni,					
	her husband	SWN Production Company, LLC	17%	268A/47		
	Sarah A. Lee, f/k/a Sally Stocks, and John E. Lee, her					
	husband	SWN Production Company, LLC	17%	265A/938		
	Suzanne Rexroad	SWN Production Company, LLC	17%	289S/530		
	Thomas C. Wise, married dealing in his sole and	SM(N) Production Company 11 C	170/	2594/25		
	separate property	SWN Production Company, LLC	17%	268A/26		
	Thomas Summers Daugherty Timothy Allan Connelly and Lori A.W. Connelly, his	SWN Production Company, LLC	17%	290A/254		
	wife	SWN Production Company, LLC	17%	264A/529		
	Timothy J. Frederick and Pamela B. Frederick, a	Sterre roddelion company, LLC	1776	2047/323		
	married couple	SWN Production Company, LLC	17%	280A/364		
	Timothy J. Strasser, married dealing in his sole and					
	separate property	SWN Production Company, LLC	17%	282A/480		
	Tracy Lee Howard and Mary Kathryn Howard, his wife		17%	270A/442		
	Varena A. Hollingshead, single	SWN Production Company, LLC	17%	267A/472		
	Varena J. Farrell Kessel, single	SWN Production Company, LLC	17%	285A/772		
	Michael A. Daugherty, a/k/a Michael Albert					
	Daugherty, a married man dealing in his sole and separate property	Charanaako Annalashia 110	170/	1444/07		
	separate property Antero Resources Corporation	Chesapeake Appalachia, L.L.C.	17%	144A/87		
	Antero Resources Corporation	SWN Production Company, LLC/Equinor USA Onshore Properties, Inc		272A/588		
		onshore Properties, me				
14 3-1-13	Beth Ann Barnhart, a married woman dealing in her				0.00%	
	sole and separate property	Chesapeake Appalachia, L.L.C.	15.00%	108A/789	0.0070	
	Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		117A/886		
	Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540		
	Statoil USA Onshore Properties, Inc.	SWN Exchange Titleholder		158A/801		
		0-		150/ 9001		
	Bryan L. Gorby and Melanie C. Gorby, his wife	Chesapeake Appalachia, L.L.C.	12.50%	100A/259		
	Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540		
	Chesapeake Appalachia, LLC	Statoil USA Onshore Properties Inc.		120A/109		
	Statoil USA Onshore Properties, Inc.	SWN Exchange Titleholder		158A/801		
				1004/001		
	Cindy D. Adams and Randy G. Adams, her husband	Chesapeake Appalachia, L.L.C.	12.50%	99A/435		
	Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540		
	Chesapeake Appalachia, LLC	Statoil USA Onshore Properties Inc.		120A/109		
	Statoil USA Onshore Properties, Inc.	SWN Exchange Titleholder		158A/801		
	Debra Ann Piktel, a/k/a Debra Piktel and David Stanley	-		1504,001		
	Piktel, her husband	Chesapeake Appalachia, L.L.C.	12.50%	100A/302		
	Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540		
	Chesapeake Appalachia, LLC	Statoil USA Onshore Properties Inc.		120A/109		
	Statoil USA Onshore Properties, Inc.	SWN Exchange Titleholder		158A/801		
	Eric J. Moore, a single man	Chesapeake Appalachia, L.L.C.	12.50%			
	Chesapeake Appalachia, LLC	SWN Production Company, LLC	12.30%	100A/573		
	Chesapeake Appalachia, LLC			157A/540		
	Statoil USA Onshore Properties, Inc.	Statoil USA Onshore Properties Inc.		120A/109		
	Gregory A. Gorby, a/k/a Gregory Gorby and Cynthia D.	SWN Exchange Titleholder		158A/801	F	ECEIVED
	Gorby, his wife	Chesapeake Appalachia, L.L.C.	12.50%	104A/377	Office	ECEIVED of Oil and Gas
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	Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540	
	Chesapeake Appalachia, LLC	Statoil USA Onshore Properties Inc.		120A/109	
	Statoil USA Onshore Properties, Inc. John Allan Moore, a/k/a John A. Moore and Marcia W.	SWN Exchange Titleholder		158A/801	
	Moore, his wife	Chesapeake Appalachia, L.L.C.	12.50%	100A/487	
	Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540	
	Chesapeake Appalachia, LLC	Statoil USA Onshore Properties Inc.		120A/109	
	Statoil USA Onshore Properties, Inc.	SWN Exchange Titleholder		158A/801	
	Kevin R. Milliken, a married man dealing in his sole	Character Annula Dis 11 C	15.00%	108A/568	
	and separate property	Chesapeake Appalachia, L.L.C. Statoll USA Onshore Properties Inc.	15.00%	117A/886	
	Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540	
	Statoil USA Onshore Properties, Inc.	SWN Exchange Titleholder		158A/801	
	Robert A. Petitte, Jr. and Anita F. Petitte, his wife	Chesapeake Appalachia, L.L.C.	12.50%	100A/576	
	Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540	
	Chesapeake Appalachia, LLC Statoil USA Onshore Properties, Inc.	Statoil USA Onshore Properties Inc. SWN Exchange Titleholder		120A/109 158A/801	
	Suzanne Rexroad, a married woman dealing in her	Switt Exchange Thenoider		1304/001	
	sole and separate property	Chesapeake Appalachia, L.L.C.	15.00%	108A/791	
	Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		117A/886	
	Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540	
	Statoil USA Onshore Properties, Inc.	SWN Exchange Titleholder		158A/801	
3-1-14	Royalty Owner	n/a	n/a	n/a	0.42%
	Nancy Love Melnick and Stanley Melnick, her husband		17.00%	127A/381	
	Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540	
	Kathleen E. Sabo and James J. Sabo, her husband	Chesapeake Appalachia, L.L.C.	17.00%	127A/507	
	Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		139A/466	
	Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540	
	Statoil USA Onshore Properties, Inc.	SWN Exchange Titleholder		158A/801	
	Maryann DeNooyer, a single woman	Chesapeake Appalachia, L.L.C.	17.00%	127A/598	
	Chesapeake Appalachia, L.L.C.	Statoll USA Onshore Properties Inc.		139A/466	
	Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540	
	Statoil USA Onshore Properties, Inc. Thomas W. Carr, a/k/a Thomas Walter Carr and Helen	SWN Exchange Titleholder		158A/801	
	L. Carr, his wife	Chesapeake Appalachia, L.L.C.	17.00%	127A/928	
	Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		139A/466	
	Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540	
	Statoil USA Onshore Properties, Inc.	SWN Exchange Titleholder		158A/801	
	Carole H. Conaway, a widow	Chesapeake Appalachia, L.L.C.	17.00%	126A/940	
	Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		139A/466	
	Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540	
	Statoil USA Onshore Properties, Inc.	SWN Exchange Titleholder		158A/801	
	Charles W. Carr and Virginia M. Carr, his wife	Chesapeake Appalachia, L.L.C.	17.00%	127A/377	
	Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540	
	Joseph Robert Love Estate, by Diana Love, acting as		1000		
	Executrix and Diana Love, a widow	Chesapeake Appalachia, L.L.C.	17.00%	128A/622	
	Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		139A/466	
	Chesapeake Appalachia, LLC Statoil USA Onshore Properties, Inc.	SWN Production Company, LLC		157A/540	
		SWN Exchange Titleholder		158A/801	
	Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, LLC	Statoil USA Onshore Properties Inc. SWN Production Company, LLC		139A/466	
	Statoil USA Onshore Properties, Inc.	SWN Exchange Titleholder		157A/540 158A/801	
	Ellen L. McMaster Conaway, a widow	Chesapeake Appalachia, L.L.C.	17.00%	127A/520	
	Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.	11.00%	139A/465	
	Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540	
	Statoil USA Onshore Properties, Inc.	SWN Exchange Titleholder		158A/801	
	Gregory A. Gorby and Cynthia D. Gorby, husband and				
	wife	Chesapeake Appalachia, L.L.C.	12.50%	103A/505	
	Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		139A/466	
	Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540	
	Statoil USA Onshore Properties, Inc.	SWN Exchange Titleholder		158A/801	
	Jim Conaway and Sheryl Conaway, his wife	Chesapeake Appalachia, L.L.C.	17.00%	128A/607	
				and a second second	
	Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, LLC	Statoil USA Onshore Properties Inc. SWN Production Company, LLC		139A/466 157A/540	Off

15

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09/02/2022

## 51-02465 2104

16	3-1-18	Liberty Holding Company, Inc.	SWN Production Company, LLC	17%	261A/582	0.00%
		Statoil USA Onshore Properties, Inc.	SWN Exchange Titleholder		158A/801	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540	
		Chesapeake Appalachia, L.L.C.	•		-	
			Statoil USA Onshore Properties Inc.	2710070	139A/466	
		William J. Love and Jana S. Love, a/k/a Jana Tindle, wife	nis Chesapeake Appalachia, L.L.C.	17.00%	127A/924	
		Statoil USA Onshore Properties, Inc.	SWN Exchange Titleholder		158A/801	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540	
		Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		139A/466	
		Michael A. Love and Candace A. Love, his wife	Chesapeake Appalachia, L.L.C.	17.00%	127A/516	
		Statoil USA Onshore Properties, Inc.	SWN Exchange Titleholder		158A/801	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540	
		Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		139A/466	
		Larry J. Conaway, Sr., a single man	Chesapeake Appalachia, L.L.C.	17.00%	126A/945	
		Statoil USA Onshore Properties, Inc.	SWN Exchange Titleholder		158A/801	

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#### ASSIGNMENT AND CONVEYANCE

This Assignment and Conveyance (this "Assignment") is from TH Exploration, LLC, a Texas limited liability company ("Assignor"), to SWN PRODUCTION COMPANY, LLC, a Texas limited liability company ("SWN"), and EQUINOR USA ONSHORE PROPERTIES INC, a Delaware corporation ("EQNR" and, together with SWN, the "Assignees"), and is executed on July (2012), 2022 (the "Effective Date"). Assignor and Assignees may be referred to herein collectively as the "Parties," or individually as a "Party." Capitalized terms used herein but not otherwise defined herein (including in Section 3.7) shall have the meanings given such terms in that certain Acreage Trade Agreement between the Assignor and the Assignees dated March 25, 2022 (the "Acreage Trade Agreement").

## ARTICLE 1 ASSIGNMENT OF ASSETS

Section 1.1 <u>Assignment</u>. For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor hereby GRANTS, BARGAINS, ASSIGNS, CONVEYS AND TRANSFERS unto (a) SWN an undivided <u>74.0000%</u> of Assignor's right title and interest in and to and (b) EQNR an undivided <u>26.0000</u>% of Assignor's right, title and interest in and to, in the case of both (a) and (b), (i) the oil and gas leases described in more detail on <u>Exhibit A</u> attached hereto (the "Leases") INSOFAR AND ONLY INSOFAR as they cover those lands described on <u>Exhibit A</u> (the "Leasehold Rights") and (ii) any surface use agreements that relate to such Leasehold Rights (collectively with the Leasehold Rights, the "Conveyed Assets").

TO HAVE AND TO HOLD the Conveyed Assets, together with all and singular the rights, privileges, contracts and appurtenances, in any way appertaining or belonging thereto, unto Assignees, its successors and assigns, forever, subject, to the terms and conditions of this Assignment.

Section 1.2 <u>Assignment Subject to Acreage Trade Agreement</u>. This Assignment is made in accordance with and is subject to the terms, covenants and conditions contained in that certain Acreage Trade Agreement. In the event of a conflict between the provisions of the Acreage Trade Agreement and this Assignment, the provisions of the Acreage Trade Agreement shall control. The execution and delivery of this Assignment by Assignor, and the execution and acceptance of this Assignment by Assignees, shall not operate to release or impair any surviving rights or obligations of either Party with respect to the other under the Acreage Trade Agreement.

## ARTICLE 2 SPECIAL WARRANTY OF TITLE AND DISCLAIMERS

Section 2.1 <u>Special Warranty of Title</u>. Assignor hereby agrees to warrant and defend Defensible Title to the Leases unto Assignees, its successors and assigns, against every Person whomsoever lawfully claiming or to claim the same or any part thereof by, through or under Assignor or any of their respective Affiliates, but not otherwise.

Section 2.2 Disclaimers of Warranties and Representations.

EXCEPT AS EXPRESSLY REPRESENTED OTHERWISE IN SECTION (a) VI OF THE ACREAGE TRADE AGREEMENT OR THIS ASSIGNMENT, ASSIGNOR MAKES NO, AND HEREBY EXPRESSLY DISCLAIMS, ANY REPRESENTATION OR WARRANTY, EXPRESS, IMPLIED OR STATUTORY, INCLUDING AS TO (I) TITLE TO THE LEASEHOLD RIGHTS, (II) THE CONTENTS, CHARACTER OR NATURE OF ANY DESCRIPTIVE MEMORANDUM, OR ANY REPORT OF ANY OF ITS PETROLEUM ENGINEERING CONSULTANTS, OR ANY GEOLOGICAL OR SEISMIC DATA OR INTERPRETATION, RELATING TO THE LEASEHOLD RIGHTS, (III) THE QUANTITY, QUALITY OR RECOVERABILITY OF PETROLEUM SUBSTANCES IN OR FROM THE LEASEHOLD RIGHTS, (IV) THE EXISTENCE OF ANY PROSPECT. OR ANY RECOMPLETION, INFILL OR STEP-OUT DRILLING OPPORTUNITIES, (V) ANY ESTIMATES OF THE VALUE OF THE LEASEHOLD RIGHTS, (VI) THE PRODUCTION OF PETROLEUM SUBSTANCES FROM THE LEASEHOLD RIGHTS, OR ANY PRODUCTION OR DECLINE RATES, (VII) THE MAINTENANCE, REPAIR, CONDITION, QUALITY, SUITABILITY, DESIGN OR MARKETABILITY OF THE LEASEHOLD RIGHTS, (VIII) INFRINGEMENT OF ANY INTELLECTUAL PROPERTY RIGHT, AND (IX) ANY OTHER MATERIALS OR INFORMATION THAT MAY HAVE BEEN MADE AVAILABLE OR COMMUNICATED TO TUG HILL OR ITS AFFILIATES, OR ITS OR THEIR RESPECTIVE EMPLOYEES, AGENTS, CONSULTANTS, REPRESENTATIVES OR ADVISORS IN CONNECTION WITH THE TRANSACTIONS CONTEMPLATED BY THIS ASSIGNMENT OR ANY DISCUSSION OR PRESENTATION RELATING THERETO, AND FURTHER DISCLAIMS ANY REPRESENTATION OR WARRANTY, EXPRESS, IMPLIED, OR STATUTORY, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR CONFORMITY TO MODELS OR SAMPLES OF MATERIALS OR ANY EQUIPMENT, IT BEING EXPRESSLY UNDERSTOOD AND AGREED BY THE PARTIES THAT, EXCEPT AS EXPRESSLY REPRESENTED OTHERWISE IN SECTION VI OF THE ACREAGE TRADE AGREEMENT OR THIS ASSIGNMENT, THE LEASEHOLD RIGHTS ARE BEING TRANSFERRED BY IT "AS IS, WHERE IS," WITH ALL FAULTS AND DEFECTS.

## ARTICLE 3 MISCELLANEOUS

Section 3.1 <u>Separate Assignments</u>. Where separate assignments of Conveyed Assets have been, or will be, executed for filing with and approval by applicable Governmental Authorities, any such separate assignments (a) shall evidence the Assignment and assignment of the applicable Conveyed Assets herein made, and shall not constitute any additional Assignment or assignment of the Conveyed Assets, (b) are not intended to modify, and shall not modify, any of the terms, covenants and conditions, or limitations on warranties, set forth in this Assignment and are not intended to create, and shall not create, any representations, warranties or additional covenants of or by Assignor to Assignees, and (c) shall be deemed to contain all of the terms and provisions of this Assignment, as fully and to all intents and purposes as though the same were set forth at length in such separate assignments.

Section 3.2 <u>Governing Law</u>. EXCEPT TO THE EXTENT THAT THE LAWS OF THE STATE OF WEST VIRGINIA ARE MANDATORILY APPLICABLE TO THIS ASSIGNMENT IN CONNECTION WITH THE CONVEYANCES OF PROPERTY INTERESTS INVOLVING REAL PROPERTY LOCATED IN THE STATE OF WEST VIRGINIA, THIS ASSIGNMENT AND ANY CLAIM, CONTROVERSY OR DISPUTE ARISING UNDER OR RELATED TO THIS ASSIGNMENT OR THE RIGHTS, DUTIES AND RELATIONSHIP OF THE PARTIES, SHALL BE GOVERNED BY AND CONSTRUED AND ENFORCED IN ACCORDANCE WITH THE LAWS OF THE STATE OF TEXAS, EXCLUDING ANY CONFLICTS OF LAW, RULE OR PRINCIPLE THAT MIGHT REFER CONSTRUCTION OF PROVISIONS TO THE LAWS OF ANOTHER JURISDICTION. EXCEPT AS OTHERWISE PROVIDED IN THE ACREAGE TRADE AGREEMENT, ANY DISPUTE, CONTROVERSY OR CLAIM ARISING OUT OF, RELATING TO OR IN CONNECTION WITH THIS ASSIGNMENT OR THE VALIDITY HEREOF, SHALL BE FINALLY SETTLED IN ACCORDANCE WITH SECTION XII.E. OF THE ACREAGE TRADE AGREEMENT.

Section 3.3 <u>Successors and Assigns</u>. This Assignment shall bind and inure to the benefit of the Parties and their respective successors and assigns; *provided*, *however*, that nothing in this Assignment shall assign or grant, or in any way operate to assign or grant, any right, title or interest in, to or under the Acreage Trade Agreement to any successor or assign of Assignees with respect to the Conveyed Assets or any part thereof, it being expressly understood that rights, titles and interests under the Acreage Trade Agreement may only be obtained or assigned in accordance with the terms thereof.

Section 3.4 <u>Titles and Captions</u>. All Article or Section titles or captions in this Assignment are for convenience only, shall not be deemed part of this Assignment and in no way define, limit, extend or describe the scope or intent of any provisions hereof. Except to the extent otherwise stated in this Assignment, references to "Articles" and "Sections" are to Articles and Sections of this Assignment, and references to "Exhibits" are to the Exhibits attached to this Assignment, which are made a part hereof and incorporated herein for all purposes.

Section 3.5 <u>Counterparts</u>. This Assignment may be executed in any number of counterparts, and each such counterpart hereof shall be deemed to be an original instrument, but all of such counterparts shall constitute for all purposes one agreement. Multiple counterparts of this Assignment may be recorded with federal agencies and in the counties and parishes of the states where the Conveyed Assets are located, but the inclusion of a description of any Asset in more than one counterpart of this Assignment shall not be construed as having effected any cumulative, multiple or overlapping interest in the applicable Asset. Any signature hereto delivered by a party by facsimile or other electronic transmission shall be deemed an original signature hereto.

Section 3.6 <u>Prior Representations, Warranties and Covenants</u>. To the extent, and only to the extent, (a) permitted by Law, (b) of any indemnity of Assignees provided to Assignor under the Acreage Trade Agreement and (c) such subrogation is not prohibited or otherwise restricted by the respective underlying instrument or agreement, Assignees shall be subrogated to Assignor's rights in and to all representations, warranties and covenants given with respect to the Conveyed Assets. To the extent provided in the preceding sentence, Assignor hereby grants and transfers to Assignees, its successors and assigns, to the extent so transferrable and permitted by Law, the benefit of and the right to enforce all representations, warranties and covenants, if any, which Assignor is entitled to enforce with respect to the Conveyed Assets. Section 3.7 <u>Definitions</u>. When used in this Assignment, the following terms shall have the meanings specified:

"Defensible Title" means, other than Permitted Encumbrances, with respect to such title of Assignor that:

(i) entitles Assignees (in the aggregate) to the Net Acreage that is set forth on Exhibit B to the Acreage Trade Agreement for such Lease;

(ii) entitles Assignees (in the aggregate) to receive and retain from each Lease described in <u>Exhibit B</u> to the Acreage Trade Agreement not less than the percentage set forth on <u>Exhibit B</u> to the Acreage Trade Agreement as the Net Revenue Interest in such Lease; and

(iii) is free and clear of all liens (including mortgages or deeds of trust), suits, judgments, encumbrances, charges, adverse claims, burdens and defects that may adversely affect the ownership, development, operation or value of such Lease.

(Remainder of page intentionally left blank. Signatures to follow)

EXECUTED as of the date of the Parties' acknowledgments below, but effective at the Effective Date.

ASSIGNOR:

TH EXPLORATION, LLC, a Texas limited liability company

By: David D. Kalish Title: Senior Vice President - Land

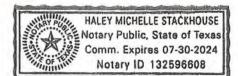
## ACKNOWLEDGMENTS

STATE OF TEKOS COUNTY OF TACON

On this, the  $6^{\frac{1}{1}}$  day of July, 2022, before me a Notary Public, the undersigned officer, David D. Kalish, personally appeared and acknowledged himself to be the Senior Vice President - Land of TH Exploration, LLC, and that he as such Senior Vice President - Land and being authorized to do so, executed the foregoing instrument for the purposes therein contained by signing the name of the corporation by himself as Senior Vice President - Land.

SEAL My commission expires: 07:30-20-24

10 Shaloop Public



INTERESTS INVOLVING REAL PROPERTY LOCATED IN THE STATE OF WEST VIRGINIA, THIS ASSIGNMENT AND ANY CLAIM, CONTROVERSY OR DISPUTE ARISING UNDER OR RELATED TO THIS ASSIGNMENT OR THE RIGHTS, DUTIES AND RELATIONSHIP OF THE PARTIES, SHALL BE GOVERNED BY AND CONSTRUED AND ENFORCED IN ACCORDANCE WITH THE LAWS OF THE STATE OF TEXAS, EXCLUDING ANY CONFLICTS OF LAW, RULE OR PRINCIPLE THAT MIGHT REFER CONSTRUCTION OF PROVISIONS TO THE LAWS OF ANOTHER JURISDICTION. EXCEPT AS OTHERWISE PROVIDED IN THE ACREAGE TRADE AGREEMENT, ANY DISPUTE, CONTROVERSY OR CLAIM ARISING OUT OF, RELATING TO OR IN CONNECTION WITH THIS ASSIGNMENT OR THE VALIDITY HEREOF, SHALL BE FINALLY SETTLED IN ACCORDANCE WITH SECTION XII.E. OF THE ACREAGE TRADE AGREEMENT.

Section 3.3 <u>Successors and Assigns</u>. This Assignment shall bind and inure to the benefit of the Parties and their respective successors and assigns; *provided*, *however*, that nothing in this Assignment shall assign or grant, or in any way operate to assign or grant, any right, title or interest in, to or under the Acreage Trade Agreement to any successor or assign of Assignees with respect to the Conveyed Assets or any part thereof, it being expressly understood that rights, titles and interests under the Acreage Trade Agreement may only be obtained or assigned in accordance with the terms thereof.

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Section 3.6 <u>Prior Representations, Warranties and Covenants</u>. To the extent, and only to the extent, (a) permitted by Law, (b) of any indemnity of Assignees provided to Assignor under the Acreage Trade Agreement and (c) such subrogation is not prohibited or otherwise restricted by the respective underlying instrument or agreement, Assignees shall be subrogated to Assignor's rights in and to all representations, warranties and covenants given with respect to the Conveyed Assets. To the extent provided in the preceding sentence, Assignor hereby grants and transfers to Assignees, its successors and assigns, to the extent so transferrable and permitted by Law, the benefit of and the right to enforce all representations, warranties and covenants, if any, which Assignor is entitled to enforce with respect to the Conveyed Assets. Section 3.7 <u>Definitions</u>. When used in this Assignment, the following terms shall have the meanings specified:

"Defensible Title" means, other than Permitted Encumbrances, with respect to such title of Assignor that:

(i) entitles Assignees (in the aggregate) to the Net Acreage that is set forth on Exhibit B to the Acreage Trade Agreement for such Lease;

(ii) entitles Assignees (in the aggregate) to receive and retain from each Lease described in <u>Exhibit B</u> to the Acreage Trade Agreement not less than the percentage set forth on <u>Exhibit B</u> to the Acreage Trade Agreement as the Net Revenue Interest in such Lease; and

(iii) is free and clear of all liens (including mortgages or deeds of trust), suits, judgments, encumbrances, charges, adverse claims, burdens and defects that may adversely affect the ownership, development, operation or value of such Lease.

(Remainder of page intentionally left blank. Signatures to follow)

EXECUTED as of the date of the Parties' acknowledgments below, but effective at the Effective Date.

ASSIGNOR:

TH EXPLORATION, LLC, a Texas limited liability company

By: David D. Kalish Title: Senior Vice President - Land

#### ACKNOWLEDGMENTS

STATE OF TEKOD

On this, the  $6^{\frac{1}{1}}$  day of July, 2022, before me a Notary Public, the undersigned officer, David D. Kalish, personally appeared and acknowledged himself to be the Senior Vice President - Land of TH Exploration, LLC, and that he as such Senior Vice President - Land and being authorized to do so, executed the foregoing instrument for the purposes therein contained by signing the name of the corporation by himself as Senior Vice President - Land.

SEAL My commission expires: 07-30-20-24

10 Soulardo

HALEY MICHELLE STACKHOUSE Notary Public, State of Texas Comm. Expires 07-30-2024 Notary ID 132596608



### ASSIGNEES:

SWN PRODUCTION COMPANY, LLC a Texas limited liability company

By:	pi	n	Rober
Name:	PAN	M BALHO	
Title:	LAND	MANAGON	

### ACKNOWLEDGMENTS

On this, the <u>11</u> day of <u>July</u>, 2022, before me a Notary Public, the undersigned officer, <u>PAUL M. BACho</u>, personally appeared and acknowledged himself to c be the LAND MANAGER of SWN PROCHEDIC on pary, a Reversion tec light fait he as such LAND MANAGEN and being authorized to do so, executed the foregoing instrument for the purposes therein contained by signing the name of the corporation by himself as LAND Manager



Notary Public

SEAL

STATE OF LEVLAS COUNTY OF HARRIS

2/20/2024 My commission expires:

SHEILAL SHIPP My Notary ID # 6231071 Expires February 20, 2024

#### ASSIGNEES

# EQUINOR USA ONSHORE PROPERTIES INC, a Delaware corporation

#### **ACKNOWLEDGMENTS**

STATE OF \_\_\_\_\_ COUNTY OF \_\_\_\_\_

On this, the \_\_\_\_\_ day of \_\_\_\_\_\_, 2022, before me a Notary Public, the undersigned officer, \_\_\_\_\_\_, personally appeared and acknowledged himself to be the \_\_\_\_\_\_\_, and that he as such \_\_\_\_\_\_ and being authorized to do so, executed the foregoing instrument for the purposes therein contained by signing the name of the corporation by himself as \_\_\_\_\_\_.

Notary Public

SEAL My commission expires:

			E	khibit	"A"							
		Leases - TH	Explorat	ion, L	LC to	SWN	and EQ	NR				
	Attached to and made a	part of that certain Assignment and Conveyance, effec	tive July 6, 2022 b	y and between	n TH Exploratio	on, LLC and SV	WN Production Co	ompany, LLC and Equinor	USA Onshore Properties Ir	nc.		
TH Lease Number	Lessor	Lessee	Effective Date	County	District	BK - PG	Gross Acres	Tax Parcel Number	Partial Assignment	Conveyed Parcels	Retained Parcels	Conveyed Depths
10*40410	DELORSE A HORNER, WIDOW	TH EXPLORATION, LLC	03/03/2022	Wetzel	Clay	285A - 65	7.500000	3-1-7	No	3-1-7		ALL



SWN Production Company, LLC 1300 Fort Pierpont Dr, Ste 201 Morgantown, WV 26508 Tel: 304 884 1610 Fax: 304 471 2497 www.swn.com

July 14, 2022

Mr. Charles Brewer WV DEP Office of Oil & Gas 601 57<sup>th</sup> St., SE Charleston, WV 25304

**RE:** SWN's proposed New Well: Yocum MSH 210H in Marshall County, West Virginia, Drilling under Amos Hollow Road, Rice Ridge Road, and Low Gap Run Road.

Dear Mr Brewer:

SWN Production Company, LLC ("SWN") is applying for a drilling permit for the above referenced well. The State of West Virginia has raised some concern as to SWN's right to drill under Amos Hollow Road, Rice Ridge Road, and Low Gap Run Road. Please be advised that SWN has leased all mineral owners under said route as it relates to the above-referenced well and unit.

Thank you.

Sincerely,

Ian R. Nicas Staff Landman SWN Production Company, LLC

RECEIVED Office of Oil and Gas

JUL 2 0 2022

WV Department of Environmental Protection

09/02/2022 The Right People doing the Right Things, wisely investing the cash flow from our underlying Assets, will create Value+®

WW-6AC (1/12)

## STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS <u>NOTICE CERTIFICATION</u>

Date of Notice Certification: 119

API No. 47- 009		
Operator's Well	No. Yocum MSH 210H	
Well Pad Name:	Yocum MSH	

#### Notice has been given:

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

State:	West Virginia	UTM NAD 83	Easting:	535662.15	
County:	051-Marshall	UTM NAD 83	Northing:	4398189.56	
District:	Liberty	Public Road Acc	ess:	Amos Hollow Road	
Quadrangle:	Littleton	Generally used f	Generally used farm name:		
Watershed:	Upper Ohio South				

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 by the applicant.

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

#### **Required Attachments:**

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

JUL 2 0 2022

WV Department of Environmental Protection

09/02/2022

#### Certification of Notice is hereby given:

THEREFORE, I Brittany Woody \_\_\_\_\_\_, 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:	SWN Production Co., LLC	Address:	1300 Fort Pierpont Dr., Suite 201
By:	Brittany Woody	N N	Morgantown, WV 26508
Its:	Senior Regulatory Analysi	Facsimile:	
Telephone:	304-884-1610	Email:	Brittany_Woody@swn.com
475	Notary Public Official Seal State of West Virginia My Comm. Expires Aug 21, 2024	ubscribed and swo with the second se	Notary Publi

#### **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 <u>depprivacyofficer@wv.gov</u>.

RECEIVED Office of Oil and Gas

JUL 2 0 2022

WV Department of Environmental Protection

09/02/2022

WW-6A	API NO. 47-009 -
(9-13)	OPERATOR WELL NO. Yocum MSH 210H
	Well Pad Name: Yocum MSH
	STATE OF WEST VIRGINIA
DEPARTMENT OF ENV	IRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
	NOTICE OF APPLICATION
Notice Time Requirement: notice shall be pr	ovided no later than the filing date of permit application.
Date of Notice: Date Permit Appl	iestion Filed 7119
	canon rice
Notice of:	
PERMIT FOR ANY	IFICATE OF APPROVAL FOR THE
	TRUCTION OF AN IMPOUNDMENT OR PIT
WEEL WORK	TREETION OF ARCHING OUNDMENT OR TH
Delivery method pursuant to West Virginia	Code § 22-6A-10(b)
PERSONAL REGISTERED	METHOD OF DELIVERY THAT REQUIRES A
SERVICE MAIL	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:

SURFA	ACE OWNER(s)	
Name: Jo	oseph L. Yocum	
Address:	230 Curtis Ave	
Moundsville,	WV 26041	
Name: M	ichael D. Yocum	
Address:	2001 4th Street	
Moundsville,	WV 26041	
Name: Address:	ACE OWNER(s) (Road and/or Other Disturb	Jane
Name:		
Address:		
SURFA	ACE OWNER(s) (Impoundments or Pits)	
Address:		

Name: Bl	520 Folly Road, Suite P285
Charleston,	
COAL	OPERATOR
Name:	
Address:	
	CE OWNER OF WATER WELL
AND/OR	WATER PURVEYOR(s)
Name: S	ee Attachment 13A
Address:	
and the second strends of the	ATOR OF ANY NATURAL GAS STORAGE FIELD
Name:	
Address:	
	RECEIVED

\*Please attach additional foffice photoandrGas

JUL 2 0 2022

WW-6A (9-13)

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

Dat	ice Time Requirem e of Notice: 109 ice of:	ent: notice shall be prov	ided no later than the filing date of permit application. tion Filed: 199
Ø	PERMIT FOR AN WELL WORK		ICATE OF APPROVAL FOR THE RUCTION OF AN IMPOUNDMENT OR PIT
Del	ivery method pursu	ant to West Virginia C	ode § 22-6A-10(b)
	PERSONAL SERVICE	REGISTERED MAIL	METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION
cert regi	ificate of approval for stered mail or by any	the construction of an im method of delivery that re	an the filing date of the application, the applicant for a permit for any well work or for a poundment or pit as required by this article shall deliver, by personal service or by quires a receipt or signature confirmation, copies of the application, the erosion and this article, and the well plot to each of the following persons: (1) The owners of record

osion and 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)	COAL OWNER OR LESSEE
Name: Susan and Frank Stipetich	Name: Consol Energy
Address: 310 3rd Street	Address: 257 Technology Drive Suite 101
Glen Dale, WV 26038	Canonsburg, PA 15317-6506
Name: Phillip D. High	COAL OPERATOR
Address: 37 Aaronwoods Court	Name:
Wheeling, WV 26003	Address:
SURFACE OWNER(s) (Road and/or Other Disturbance)	
Name:	SURFACE OWNER OF WATER WELL
Address:	AND/OR WATER PURVEYOR(s)
	Name:
Name:	Address:
Address:	
	OPERATOR OF ANY NATURAL GAS STORAGE FIELD
□ SURFACE OWNER(s) (Impoundments or Pits)	Name:
Name:	Address: RECEIVED
Address:	Office of Oil and Gas
	*Please attach additional forms if necessary $UL = \frac{20}{20}$

WV Department of Environmental Protection

0 2022

API NO. 47-009 -OPERATOR WELL NO. Yocum MSH 210H Well Pad Name: Yocum MSH

#### Notice is hereby given:

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

#### This Notice Shall Include:

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

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

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

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

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

#### 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

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

#### Water Well Testing:

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

#### Water Testing Laboratories:

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

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

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

#### Written Comment:

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

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

JUL 2 0 2022

Office of Oil and Gas

WV Department of

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

WW-6A (8-13) API NO. 47-009 -

OPERATOR WELL NO. Yocum MSH 210H Well Pad Name: Yocum MSH

#### 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-

<u>Permits/Pages/default.aspx</u> and the applicant will automatically be forwarded an email notice that such comments have been submitted. The applicant will be expected to provide a response to comments submitted by any surface owner, water purveyor or natural gas storage operator noticed within the application.

#### Permit Denial or Condition

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

## JUL 2 0 2022

WV Department of Environmental Protection WW-6A (8-13)

Notice is hereby given by:	116.10
Well Operator: SWN Production Co., LLC	INNAUUV
Telephone: 304-884-1610	a mix hour o
Email: Brittany_Woody@swn.com	morth

API NO. 47-009 -OPERATOR WELL NO. Yocum MSH 210H Well Pad Name: Yocum MSH

Address: 1300 Fort Pierpont Dr., Suite 201	
Morgantown, WV 26508	
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 <u>depprivacyofficer@wv.gov</u>.

Stand the	REID CROFT Notary Public Official Seal
國金	State of West Virginia
1	My Comm. Expires Aug 21, 2024
47 Spart	row Lane Morgantown WV 26508

Subscribed and sworn before me this $\frac{131}{2}$ day of	Jun , 2022 .
Mil Cut	Notary Public
My Commission Expires 8/21/2024	

RECEIVED Office of Oil and Gas

JUL 2 0 2022

WV Department of Environmental Protection

OWNERNAME	ADDRESS	CTTY/STATE/ZIP	PARCEL ID	WaterSources
GEDEON DANIEL D ET UX	6740 PARK RD	LEAVITTSBURG, OH 44430	07 2600060000000	à
VELLEKOOP PETER ET UX	220 CRYSTAL COVE RD	WALDOBORO, ME 04572	07 26000600020000	
YOCUM MICHAEL DAVID ET AL	2001 4TH ST	MOUNDSVILLE, WV 26041	07 27000400010000	
HIGH PHILIP D	37 AARON WOODS CT	WHEELING, WV 26003	07 2700080000000	

RECEIVED Office of Oil and Gas

## JUL 2 0 2022

WV Department of Environmental Protection

## 09/02/2022

WW-6A3
(1/12)

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

Notice Time R	equirement: Notice shall be provided at leas	st SEVEN (7) da	ys but no more tha	n FORTY-FIVE (45) days prior to
entry Date of Notice	Date of Planned Entry	5/25/22		
Delivery metho	od pursuant to West Virginia Code § 22-6/	A-10a		
PERSONA     SERVICE			IVERY THAT RE NATURE CONFIR	
on to the surfac but no more that beneath such tra owner of miner and Sediment C Secretary, whic	st Virginia Code § 22-6A-10(a), Prior to filin the tract to conduct any plat surveys required p in forty-five days prior to such entry to: (1) T act that has filed a declaration pursuant to sec als underlying such tract in the county tax red Control Manual and the statutes and rules rela th statement shall include contact information ace owner to obtain copies from the secretary	ursuant to this a he surface owne tion thirty-six, a cords. The notic ted to oil and gas , including the a	ticle. Such notice s r of such tract; (2) rticle six, chapter t e shall include a sta s exploration and p	shall be provided at least seven days to any owner or lessee of coal seams wenty-two of this code; and (3) any atement that copies of the state Erosion roduction may be obtained from the
Notice is hereb	y provided to:			
SURFACE	OWNER(s) 7	COA	OWNER OR LE	SSEE
Name: Joseph L. M Address: 230 Cur Moundsville, WV 2604	rtis Ave		re Minerals, LLC 520 Folly Road, Suite P28 C 29412	USS
Name: Michael D. Address: 2001 4t			ERAL OWNER(s)	JUL 2 0 2022
Moundsville, WV 2604			umbia Gas Transmission, I	LC WV Department of
Name: Susan and			5 51 San Felipe, Suite 250	
Address: 310 3rd		Houston, TX 7		
Glen Dale, WV 26038	น้ำและกับได้ ก็และการทางการเป็นหมายและและและและเป็นและเป็นการเป็นการเป็นการเป็นการเป็นการเป็นการเป็นการที่	*please attac	h additional forms if ne	cessary
a plat survey on	by given: st Virginia Code § 22-6A-10(a), notice is here the tract of land as follows: Vest Virginia		e undersigned well ude & Longitude:	operator is planning entry to conduct
	Aarshall	Public Road A		Amos Hollow Road
	Iberty	Watershed:		West Hirginia Fork Fish Creek
Quadrangle.	littleton	Generally use	d farm name:	Yocum
may be obtained Charleston, WV	ate Erosion and Sediment Control Manual an d from the Secretary, at the WV Department of 25304 (304-926-0450). Copies of such doc he Secretary by visiting <u>www.dep_wv.gov/oil</u>	of Environmenta suments or additi	Protection headque on al information re	larters, located at 601 57th Street, SE,
Notice is here			4	
Well Operator:		Address:	1300 Fort Pierpont Dr., S	
Telephone:	304-884-1610		Morgantown, WV 26508	
Email:	brittany_woody@swn.com	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 <u>depprivacyofficer(dwy.gov</u>.

						Viller 1
WW-6A3 (1/12)				0	)perati	or Well No. Yocum MSH
DE	PARTMENT OF ENV <u>N</u>	STATE OF W IRONMENTAL OTICE OF ENTRY	PROTE	CTION, OFFIC	ce o	F OIL AND GAS
in an Airman	equirement: Notice shall b			ys but no more than	FOR	TY-FIVE (45) days prior to
Delivery metho	od pursuant to West Virgi	nia Code § 22-6A-10a	• •			
<b></b>					~~~~	
PERSONA SERVICE				IVERY THAT RE		
on to the surfac but no more tha beneath such tra owner of miner and Sediment C Secretary, whic	e tract to conduct any plat s in forty-five days prior to su act that has filed a declaration als underlying such tract in	urveys required pursual ch entry to: (1) The sur on pursuant to section the the county tax records. tes and rules related to ntact information, inclu	nt to this ar rface owner hirty-six, ar The notice oil and gas	ticle. Such notice sl r of such tract; (2) to rticle six, chapter tw e shall include a star s exploration and pr	hall brown o any venty temen oduct	provide notice of planned entry e provided at least seven days owner or lessee of coal seams two of this code; and (3) any t that copies of the state Erosion ion may be obtained from the the Secretary's web site, to
Notice is hereb	y provided to:					ar an
	COWNER(s)			LOWNER OR LES		
Name: Phillip D. H	igh			sol Energy Attn: Casey Sau		RECEIVED
Address: 37 Aaro	nwoods Court			275 Technology Drive,. Suit	te 101	Office of Oil and Gas
Wheeling, WV 26003			Canonsburg, F	PA 15317-9565	į	
Name:						JUL 2 0 2022
Address:			MINE	ERAL OWNER(s)		
			Name: Kare	en Sue Franklin Marshall		WV Department of
Name				1722 Rock Road		Environmental Protection
Address:		*****	Chambersburg		<u>j</u>	Environmental Protection
/ tuur 035.			-	additional forms if neo	essary	
a plat survey on	st Virginia Code § 22-6A-1 the tract of land as follows					tor is planning entry to conduct
· · · · · · · · · · · · · · · · · · ·	Vest Virginia			ude & Longitude:		795, -80.583668
County: M	Aarshall		blic Road A	Access:		tollow Road
District: L	iberty		atershed:	1	West V	irginia Fork Fish Creek
Quadrangle:	littleton	Ge	nerally use	d farm name:	Yocum	4 · · · · · · · · · · · · · · · · · · ·
may be obtained Charleston, WV obtained from the	d from the Secretary, at the 25304 (304-926-0450). C he Secretary by visiting <u>ww</u>	WV Department of Env opies of such document	vironmenta its or additi	l Protection headqu onal information re	arter\$,	as exploration and production located at 601 57 <sup>th</sup> Street, SE, to horizontal drilling may be
Notice is here	by given by:				1	
Well Operator:		c A	Address:	1300 Fort Pierpont Dr., S	uite 201	
Telephone:	304-884-1610			Morgantown, WV 26508		
Email;	brittany_woody@swn.com	F	acsimile:		Ì	
					Ť	
Oil and Gas F	rivacy 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( $\hat{a}$  wy gov.

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WW-6A3						Operat	tor Well No. Yocum	MSH
(1/12)						•		
(1,12)								
		6	STATE OF W	ret vi	DATINIA			
		ראר האראי האוד. ארא הארא האראי האוד		DDA NU	OTION OF	ELCE C	FOR AND C	AS
DEI	PARIME	T OF ENVIRO	JINWEINIALI		CITON, OF		I OIL AND O	<b>A</b> 0
		NOT	CE OF ENTRY	FORP	LATSURVE	<u>¥</u>		
<b></b>	• • • • • • • • • • • • • • • • • • • •	Nister shall be seen	ided at least SEW	TENI (7) da	in but no more	than FOI	RTV-FIVE (45) da	vs prior to
	equirement:	Notice shall be prov	vided at least SE v	EN (7) Ua	ys out no more	man ros	(111-117E (45) dd	ij o piror to
entry Doto of Notice:	5/18/2022	Date of Pla	nnod Fntry 5/25/2	2022				
Date of Notice.		Date of the	uneo znu y					
Delivery metho	d pursuant	to West Virginia C	ode § 22-6A-10a					
		REGISTERED			IVERY THAT	PEOUI	ES A	
PERSONA							4	
SERVICE		MAIL	RECEIPT	OK SIG	NATURE CON	FIKMAI	IUN	
Pursuant to We	st Virginia Co	de § 22-6A-10(a), l	Prior to filing a pe	rmit appli	cation, the oper	ator shall	provide notice of p	lanned entry
on to the surface	e tract to con	luct any plat survey	s required pursuar	nt to this a	ticle. Such noti	ce shall b	e provided at least	seven days
but no more tha	n forty-five d	ays prior to such en	try to: (1) The sur	face owne	r of such tract;	(2) to any	owner or lessee of	coal seams
beneath such tra	act that has fil	ed a declaration put	suant to section th	hirty-six, a	rticle six, chapt	er twenty	+two of this code; a	ind (3) any
owner of miner	als underlying	such tract in the co	ounty tax records.	The notic	e shall include	a stateme	nt that copies of the	e state Erosion
and Sediment C	Control Manua	l and the statutes ar	nd rules related to	oil and ga	s exploration an	id produc	tion may be obtain	ed from the
Secretary, which	h statement sl	all include contact	information, inclu	iding the a	ddress for a we	b page on	the Secretary's we	eb site, to
enable the surfa	ce owner to c	btain copies from th	ne secretary.					
Notice is hereb	y provided to	);						
<b></b>				<b>—</b>				
└ SURFACE	OWNER(s)				L OWNER OR	LESSEE		
Name:				Name:			DECENTER	
Address:				Address:			RECEIVED Office of Oil and C	
			·					385
Name:	i						JUL 2 0 202	0
Address:	<u></u>				ERAL OWNER			4
				Name: The	mas Elwood Franklin	_/	WV Department	
Name:					43 Ridgeway Drive	/	Environmental Prote	or
Address:				Mechanicburg	h additional forms			
e nel management and a second and			,	- prease attac	ar auditional forms	II IICCCSSary		
BT-At- Ballana	has alaran .							
Notice is here	by given.	de § 22-6A-10(a), 1	nation is haraby of	van that th	a undersigned	well oner	ator is planning ent	ry to conduct
a plat survey on			ionoe is nereby gr	von mät ti	o under signed	Hen open	ator to premiung one	
	Vest Virginia	inu as tonows.	An	nrox I atit	ude & Longitud	ie: 39.73	2795, -80.583668	
	Aarshail			lic Road			Hollow Road	11 S 11 S
	iberty			tershed:	100055.		Virginia Fork Fish Creek	
	ilttleton				d farm name:	Yocun		
Quadrangio				in and a second			<u></u>	
Copies of the st	ate Erosion a	nd Sediment Contro	Manual and the	statutes an	d rules related t	o oil and	gas exploration and	d production
may be obtained	d from the Se	cretary, at the WV I	Department of Env	vironmenta	l Protection her	adquarter	s, located at 601 57	<sup>th</sup> Street, SE,
Charleston, WV	/ 25304 (304	-926-0450). Copies	of such documen	ts or addit	ional information	on related	to horizontal drilli	ng may be
		y visiting www.dej						Name of the second s
	,	-						
Notice is here	by given by	:						
Well Operator:		ION COMPANY, LLC	A	ddress:	1300 Fort Pierpont	Dr., Suite 20	ġ.	
Telephone:	304-884-1610				Morgantown, WV 2	26508		
Email:	brittany_woody@	swn.com	F	acsimile:				and a second
Oil and Gas F	rivary Nati	ce:						
				1				41.5

## 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@wvgov.

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		<b>*</b> **		,	0	perator Well No. Yoo	um MSH
WW-6A3 (1/12)							
		ar	FATE OF W	ret vii	CINILA	а. А.	
		T OF FRIVIDO	IAIL OF W	ESI VII Protec	TION. OFFIC	E OF OIL AND	GAS
DEP	AKIMEN	I OF ENVIRON	E OF ENTRY	FOR PI	AT SURVEY		•
Notice Time Re	avirement: N	Notice shall be provi	ded at least SEV	EN (7) da	s but no more than	FORTY-FIVE (45)	days prior to
entry							
Date of Notice:	5/18/2022	Date of Plan	ned Entry:	.022			
Delivery method	d pursuant to	o West Virginia Co	de § 22-6A-10a				
PERSONA	L 🔳	REGISTERED	METHO	D OF DEL	IVERY THAT REC	QUIRES A	
SERVICE		MAIL	RECEIPT	OR SIGN	ATURE CONFIRM	MATION	
Pursuant to West on to the surface but no more than beneath such trac owner of minera and Sediment Co Secretary, which enable the surface	t Virginia Cod tract to condu- forty-five da ct that has file ls underlying ontrol Manual statement sh ce owner to ob	de § 22-6A-10(a), Pr uct any plat surveys bys prior to such entr ed a declaration purs such tract in the cou and the statutes and all include contact in otain copies from the	y to: (1) The sur uant to section the inty tax records. I rules related to information, inclu	face owne face owne hirty-six, a The notic oil and gas	of such tract; (2) to ticle six, chapter tw e shall include a state exploration and pr	shall provide notice on hall be provided at lead or any owner or lessed venty-two of this cod tement that copies of oduction may be obt ge on the Secretary's	e of coal seams le; and (3) any the state Erosion ained from the
Notice is hereby	y provided to						
□ SURFACE	OWNER(s)				L OWNER OR LES	SSEE	
				Name:			
Address:		·	-	Address:		RE	CEIVED
						Office o	f Oil and Gas
Name:					ERAL OWNER(s)	,	
					ee Rivers Royalty II, LLC	JUL	<b>2 0</b> 2022
				Address:	9055 E. Mineral Cirvle, Suit	e 101	
Address				Centennial, C	0 80112		Dertment of
/Iddie55			-	*please attac	h additional forms if nec	essary	ntal Protection
			-				
Notice is here	by given:						
Pursuant to Wes	t Virginia Co	de § 22-6A-10(a), n	otice is hereby g	iven that the	e undersigned well	operator is planning	entry to conduct
a plat survey on	the tract of la	ind as follows:		0.000			
	Vest Virginia		Ap	prox. Lati	ude & Longitude:	39.732795, -80.583668	
	farshall			blic Road	Access:	Amos Hollow Road	
	lberty			atershed:		West Virginia Fork Fish Cre	ek j
	littleton		Ge	nerally us	ed farm name:	Yocum	
may be obtained Charleston, WV	1 from the Sec 25304 (304-	protony at the WV D	of such docume	vironment nts or addi	ional information r	l and gas exploration arters, located at 60 elated to horizontal c	1 01 0100, 01,
Notice is here	by given by	:					
Well Operator:		ION COMPANY, LLC		Address:	1300 Fort Pierpont Dr.,	Suite 201	
Telephone:	304-884-1610				Morgantown, WV 26508		
Email:	brittany_woody@	)swn.com		Facsimile:		-	
		<u> </u>		Ì			

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Office of Oil and Gas

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

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.

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

HAND	CERTIFIED MAIL
DELIVERY	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 entry.

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

Name:	Philip D. High	/ Name:	JUL 2 0 2022	
	37 Aaronwoods Court	Address:		
	Wheeling, WV 26003		WV Department of	
			Environmental Protection	

#### Notice is hereby given:

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

State:	West Virginia	LITMANAD 02	Easting:	535,662.15	
County:	Marshall	UTM NAD 83	Northing:	4,398,189.56	
District:	Liberty	Public Road Acc	ess:	Amos Hollow Rd.	
Quadrangle:	Littleton, WV	Generally used fa	arm name:	Yocum MSH	
Watershed:	Upper Ohio South				

#### 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 57<sup>th</sup> 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:	SWN Production Company, LLC	Authorized Representative:	Justin Booth
Address:	1300 Fort Pierpont Drive, Suite 201	Address:	1300 Fort Pierpont Drive, Suite 201
	Morgantown, WV 26508		Morgantowл, WV 26508
Telephone:	304-884-1675	Telephone:	304-884-1675
Email:	Justin_Booth@swn.com	Email:	Justin_Booth@swn.com
Facsimile:		Facsimile:	

#### Oil and Gas Privacy Notice:

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

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: 06/01/2022 Date Permit Application Filed:

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

HAND	CERTIFIED MAIL
DELIVERY	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 representatives

Office of Oil and Gas

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

Name: Susan and Frank Stipetich	Name:		
Address: 310 3rd Street	Address:	00241	
Glen Dale, WV 26083		WV Department of	
		Environmental Protection	

#### Notice is hereby given:

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

State:	West Virginia	LITTM NAD 92	Easting:	535,662.15	
County:	Marshall	UTM NAD 83	Northing:	4,398,189.56	
District:	Liberty	Public Road Acc	ess:	Amos Hollow Rd.	
Quadrangle:	Littleton, WV	Generally used fa	arm name:	Yocum MSH	
Watershed.	Upper Ohio South				

#### 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 57<sup>th</sup> 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:

ell Operator:	SWN Production Company, LLC	Authorized Representative:	Justin Booth
ddress:	1300 Fort Pierpont Drive, Suite 201	Address:	1300 Fort Pierpont Drive, Suite 201
	Morgantown, WV 26508		Morgantown, WV 26508
elephone:	304-884-1675	Telephone:	304-884-1675
mail:	Justin_Booth@swn.com	Email:	Justin_Booth@swn.com
csimile:		Facsimile:	
nail:		Email:	

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

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:
 06/01/2022

 Date Permit Application Filed:

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

HAND	CERTIFIED MAIL
DELIVERY	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: Jo	oseph L. Yocum	Name:
Address: 2	: 230 Curtis Avenue	Address:
Me	oundsville, WV 26041	

#### Notice is hereby given:

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

State:	West Virginia	LITMANAD 82 Easting:	535,662,15
County:	Marshall	UTM NAD 83 Northing	3: 4,398,189.56
District:	Liberty	Public Road Access:	Amos Hollow Rd.
Quadrangle:	Littleton, WV	Generally used farm name	Yocum MSH
Watershed.	Upper Ohio South		

#### 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 57<sup>th</sup> Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting <u>www.dep.wv.gov/oil-and-gas/pages/default.aspx</u>.

#### Notice is hereby given by:

SWN Production Company, LLC	Authorized Representative:	Justin Booth	
1300 Fort Pierpont Drive, Suite 201	Address:	1300 Fort Pierpont Drive, Suite 201	
Morgantown, WV 26508		Morgantown, WV 26508	
304-884-1675	Telephone:	304-884-1675	
Justin_Booth@swn.com	Email:	Justin_Booth@swn.com	
10 10	Facsimile:		
	1300 Fort Pierpont Drive, Suite 201 Morgantown, WV 26508 304-884-1675	1300 Fort Pierpont Drive, Suite 201     Address:       Morgantown, WV 26508     Telephone:       304-884-1675     Telephone:       Justin_Booth@swn.com     Email:	

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## JUL 2 0 2022

09/02/2022

WV Department of Environmental Protection

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

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Notice Time Requirement: Notice shall be provided at least TEN (10) days prior to filing a permit application.
Date of Notice: 06/01/2022 Date Permit Application Filed:

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

HAND [		CERTIFIED MAIL	
DELIVERY		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:	Michael D. Yocum	/	Name:
Address:	: 2001 4th Street		Address:
	Moundsville, WV 26041	and the second	

#### Notice is hereby given:

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

State:	West Virginia	UTM NAD 83 Easti	ng: 535,662.15
County:	Marshall	UIMINAD 83 North	hing: 4,398,189.56
District:	Liberty	Public Road Access:	Amos Hollow Rd.
Quadrangle:	Littleton, WV	Generally used farm na	ame: Yocum MSH
Watershed:	Upper Ohio South		

#### 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 57<sup>th</sup> Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting <u>www.dep.wv.gov/oil-and-gas/pages/default.aspx</u>.

#### Notice is hereby given by:

SWN Production Company, LLC	Authorized Representative:	Justin Booth	
1300 Fort Pierpont Drive, Suite 201	Address:	1300 Fort Plerpont Drive, Suite 201	
Morgantown, WV 26508	and the second sec	Morgantown, WV 26508	
304-884-1675	Telephone:	304-884-1675	
Justin_Booth@swn.com	Email:	Justin_Booth@swn.com	
	Facsimile:		
	1300 Fort Pierpont Drive, Suite 201 Morgantown, WV 26508 304-884-1675	1300 Fort Pierpont Drive, Suite 201     Address:       Morgantown, WV 26508     Telephone:       304-884-1675     Telephone:       Justin_Booth@swn.com     Email:	

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JUL 2 0 2022



## 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: 06/01/2022 Date Permit Application Filed:

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)

	dress listed in the records	of the sheriff at the tim		
Name:	Philip D. High		Name:	
Address:	37 Aaronwoods Court	/	Address:	
	Wheeling, WV 26003			

#### Notice is hereby given:

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

State:	West Virginia	LITNA NIATY 02	Easting:	535,662.15	
County:	Marshall	UTM NAD 83	Northing:	4,398,189.56	
District:	Liberty	Public Road Acc	cess:	Amos Hollow Rd.	
Quadrangle:	Littleton, WV	Generally used t	farm name:	Yocum MSH	
Watershed:	Upper Ohio South				

#### 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 57<sup>th</sup> Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting <u>www.dep.wv.gov/oil-and-gas/pages/default.aspx</u>.

Well Operator:	SWN Production Company, LLC	Address:	1300 Fort Pierpont Drive, Suite 201	
Telephone:	304-884-1675		Morgantown, WV 26508	
Email:	Justin_Booth@swn.com	Facsimile:	304-884-1675	

#### **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 <u>depprivacyofficer@wv.gov</u>.

#### RECEIVED Office of Oil and Gas

## JUL 2 0 2022

WV Department of Environmental Protection

09/02/2022

### 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: 06/01/2022 Date Permit Application Filed:

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

CERTIFIED MAIL	
DETUDAL DECEMPT DECLIDETED	

RETURN RECEIPT REQUESTED

HAND DELIVERY

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

Name: Sus	san and Frank Stipetich	Name:
Address: 310	0 3rd Street	Address:
Gle	an Dale, WV 26083	

#### Notice is hereby given:

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State:	West Virginia	UTM NAD 83	Easting:	535,662.15	
County:	Marshall	UTMINAD 83	Northing:	4,398,189.56	
District:	Liberty	Public Road Acc	ess:	Amos Hollow Rd.	
Quadrangle:	Littleton, WV	Generally used fa	arm name:	Yocum MSH	
Watershed:	Upper Ohio South				

#### 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 57<sup>th</sup> Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting <u>www.dep.wv.gov/oil-and-gas/pages/default.aspx</u>.

Well Operator:	SWN Production Company, LLC	Address:	1300 Fort Pierpont Drive, Suite 201	
Telephone:	304-884-1675		Morgantown, WV 26508	
Email:	Justin_Booth@swn.com	Facsimile:	304-884-1675	

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Office of Oil and Gas

JUL 2 0 2022

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: 06/01/2022 Date Permit Application Filed:

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

CERTIFIED MAIL
 CERTIFIED MAIL
 HAND
 DELIVERY

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#### 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:	Joseph L. Yocum	Name:
Address:	230 Curtis Avenue V	Address:
rican coo.	Moundsville, WV 26041	

Notice is hereby given:

WW-6A5 (1/12)

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

State:	West Virginia	UTM NAD 83 Ea
County:	Marshall	UIMINAD 83 No
District:	Liberty	Public Road Access:
Quadrangle:	Littleton, WV	Generally used farm
Watershed:	Upper Ohio South	

	Easting:	535,659.83	
5	Northing:	4,398,187.57	
lo	cess:	Amos Hollow Rd.	
dí	arm name:	Yocum MSH	

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Well Operator:	SWN Production Company, LLC	Address:	1300 Fort Pierpont Drive, Suite 201	
Telephone:	304-884-1675		Morgantown, WV 26508	
Email:	Justin_Booth@swn.com	Facsimile:	304-884-1675	

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'JUL 2 0 2022

WV Department of Environmental Protection WW-6A5 (1/12)

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

Notice Time Requirement: notice shall be provided no later than the filing date of permit application. Date of Notice: \_\_\_\_\_\_\_ Date Permit Application Filed: \_\_\_\_\_\_

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RETURN RECEIPT REQUESTED	DELIVERY

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

(at the ad	(at the address listed in the records of the sheriff at the time of notice):				
Name:	Michael D. Yocum	Name:			
Address:	2001 4th Street	Address:			
	Moundsville, WV 26041				

#### Notice is hereby given:

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County:	Marshall	UTIMI NAD 83	Northing:	4,398,189.56
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#### RECEIVED Office of Oil and Gas

## JUL 2 0 2022

WV Department of Environmental Protection



#### WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

## **Division of Highways**

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

D. Alan Reed, P.E. State Highway Engineer Jimmy Wriston, P. E. Secretary of Transportation Commissioner of Highways

May 31, 2022

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

Subject: DOH Permit for the Yocum Pad, Marshall County Yocum MSH 210H Well Site

Dear Mr. Martin,

This well site will be accessed from a DOH permit #06-2018-0157 which has been issued to Southwestern Energy for access to the State Road for a well site located off Marshall County Route 89 SLS MP 2.15.

This operator is in compliance with §22-6A-20 of the WV Code. 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. This letter is valid for permitting purposes for one year from the date of this letter.

Very Truly Yours,

Gary K. Clayton

Gary K. Clayton, P.E. Regional Maintenance Engineer Central Office O&G Coordinator

RECEIVED Office of Oil and Gas

JUL 2 0 2022

WV Department of Environmental Protection

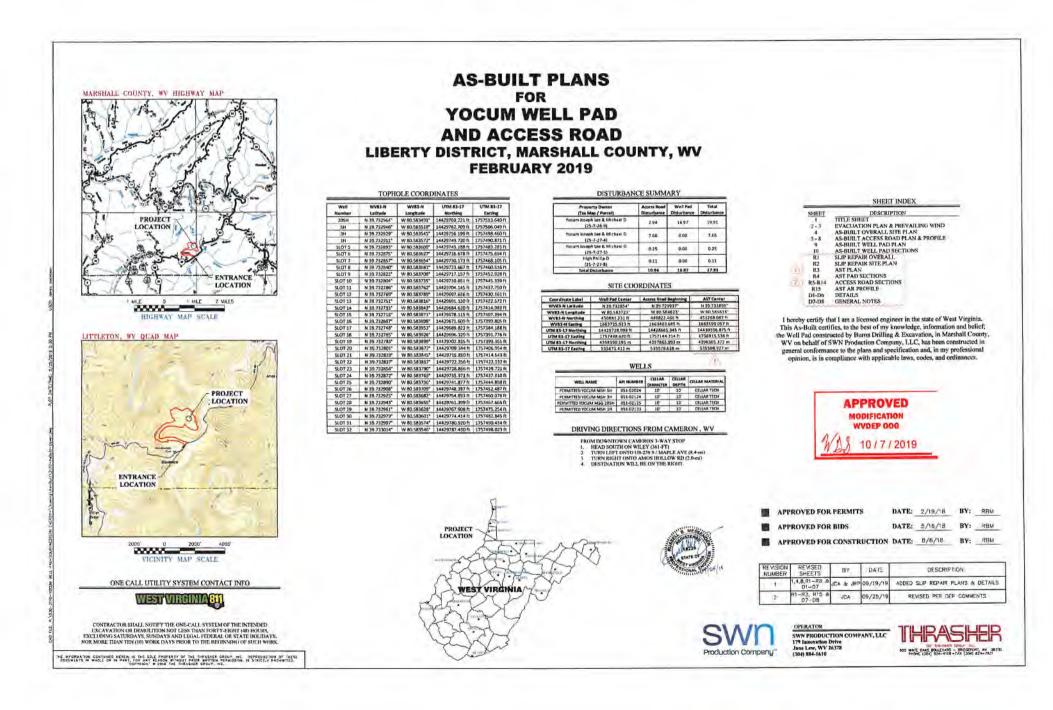
Cc: Brittany Woody Southwestern Energy CH, OM, D-6 File

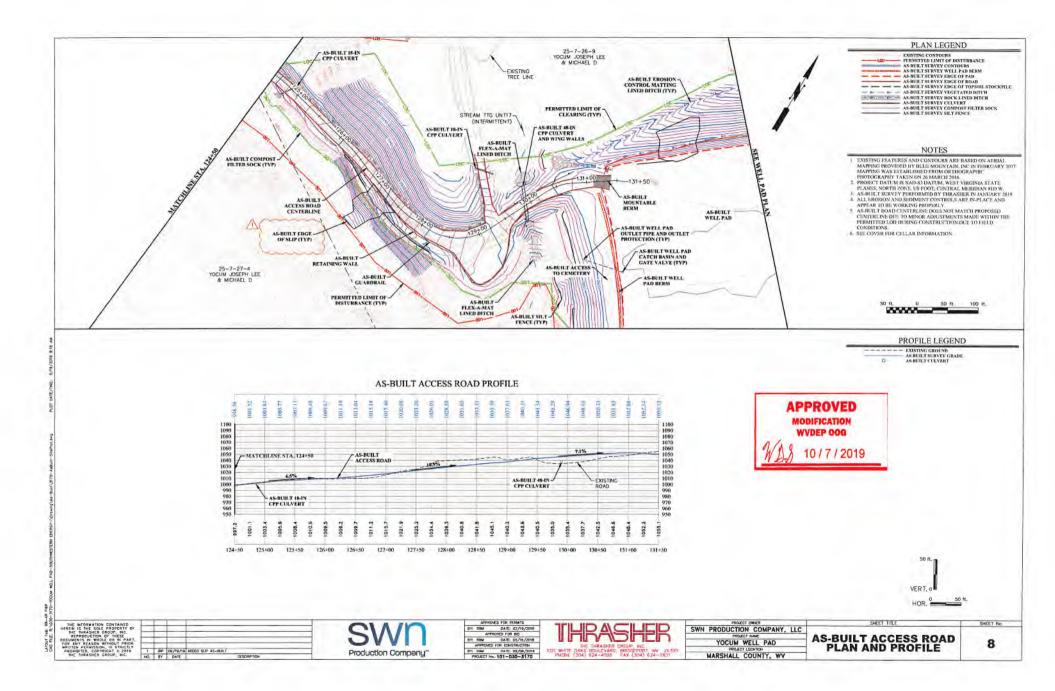
E.E.O./AFFIRMATIVE ACTION EMPLOYER

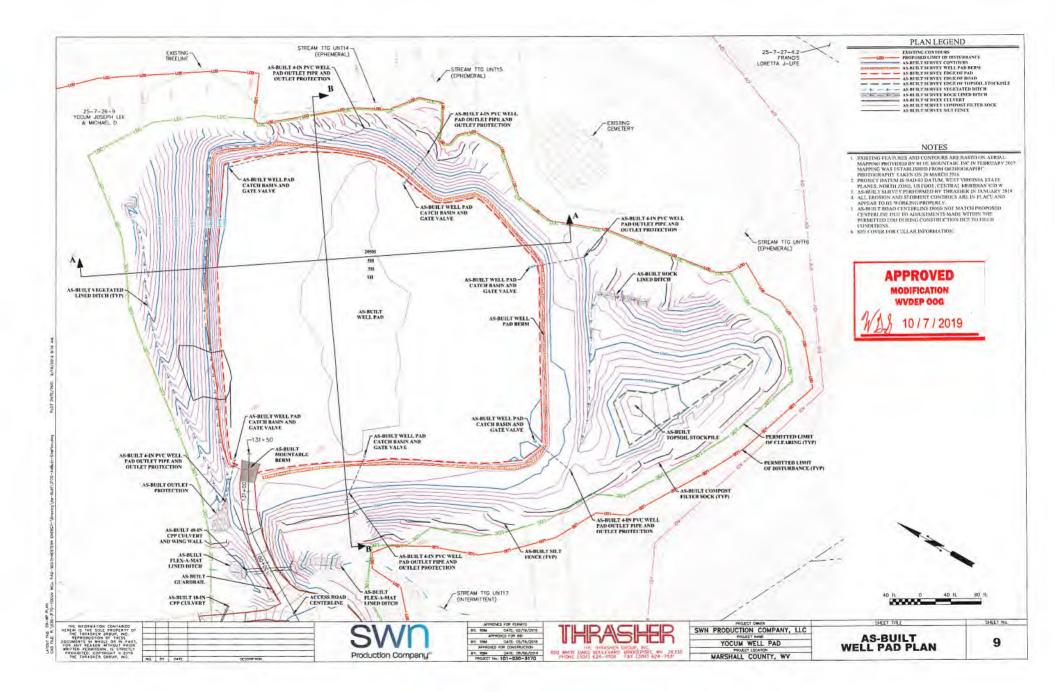
09/02/2022

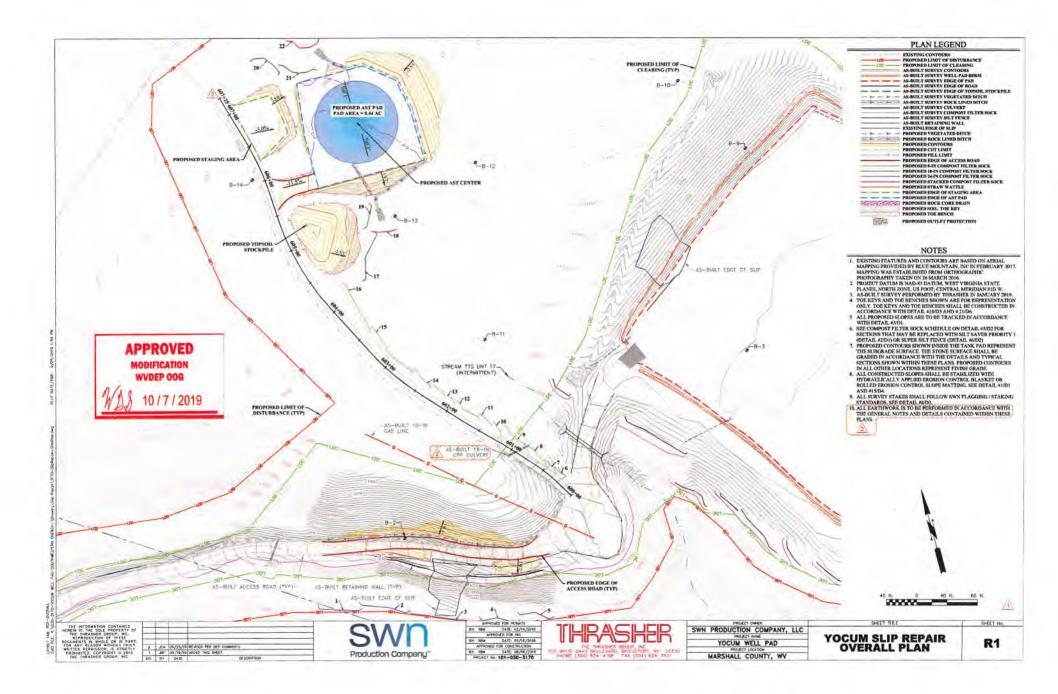
#### Attachment VI Frac Additives

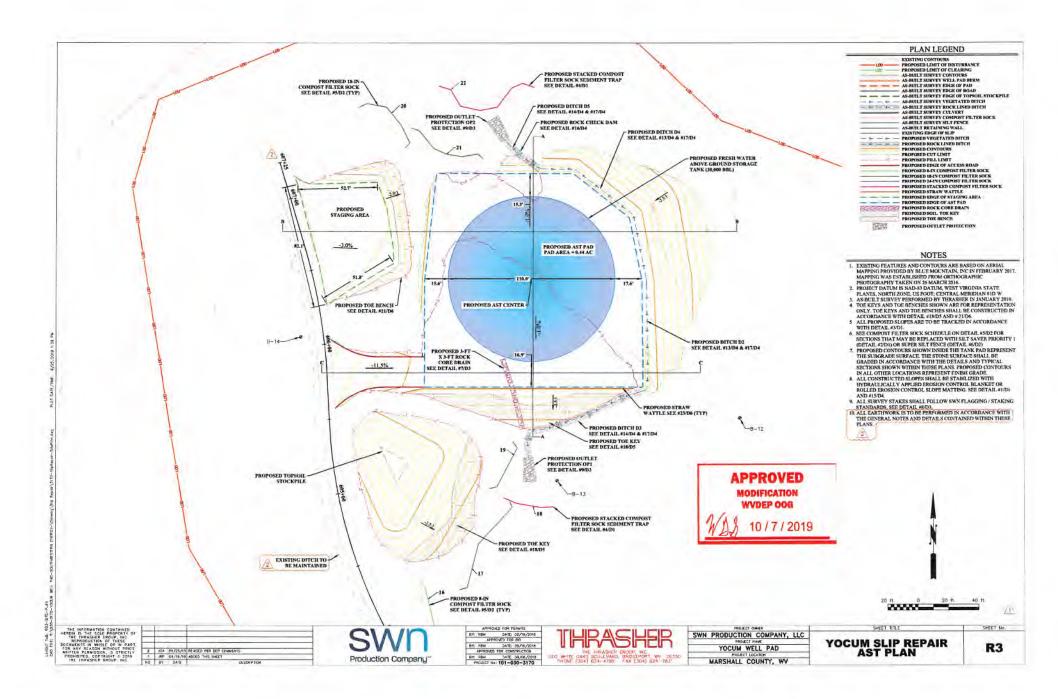
ProductiName	Product Use	Chemical Name	CAS Number 107-211
AI-303 (U.S. Well Services)	Mixture	Ethylene glycol	107-211
		Cinnamaldehyde	104-55 2
		Butyl cellosolve	64-18 6
		Formic acid Polvether	Proprietary
		Acetophenone, thiourea, formaldehyde polymer	68527-49 1
	T Basellos	Ammonium persulfate	7727-54-0
AP ONE (U.S. Well Services)	Breaker		
lactron K-139 (Champion Technologies)	Biocide	Glutaraldehyde	111-30-8
		Quaternary Ammonium Compounds, Benzyl-C12-16-Alkyldimethyl, Chlorides	68424-85-1
		Ethanol	64-17-5
a track 210 (Champion Technologies)	Plasida		67-56-1
actron K-219 (Champion Technologies)	Biocide	Methanol	07-50-1
		Quaternary Ammonium Compounds, Benzyl-C12-16-Alkyldimethyl, Chlorides	68424-85-1
1		Ceramic Proppant	66402-68-4
arboNRT	Tracer		
C6486A (Nalco Champion)	Scale Inhibitor	Amine Triphosphate	Proprietary
	21.11	Ethylene Glycol	107-21-1
C6734A (Champion Technologies)	Biocide	Hydrogen Peroxide	7722-84-1
		Acetic Acid	64-19-7
		Peroxyacetic Acid	79-21-0
cono-CI200 (SWN Well Services)	Corrosion Inhibitor	Methanol	67-56-1
		Oxyalkylated fatty acid	68951-67-7
		Fatty acids	61790-12-3
		Modified thiourea polymer	68527-49-1
		Water	7732-18-5
		Hydrochloric acid	7647-01-0
		Potassium acetate	127-08-2
		Formaldehyde	50-00-0
copol-FEAC (SWN Well Services)	Iron Control	Acetic Acid	64-19-7
		Citric Acid	77-92-9
		Water	7732-18-5
DP-S1176-15 (Halliburton)	Friction Reducer	Polyacylate	Proprietary
		Hydrotreated light petroleum distillate	64742-47-8
OJET DR900 LPP (SWN Well Services)	Friction Reducer	Distillates (petroleum) hydrotreated light	64674-47-8
		Ethylene Glycol	107-21-1
		Alcohols, C12-16, Exoxylated propoxylated	68213-24-1
		Fatty Alcohols ethoxylated	Proprietary
		Water	7732-18-5
OJET DRP 1130X (SWN Well Services)	Friction Reducer	Proprietary	Proprietary
R-76 (Halliburton)	Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8
		Inorganic Salt	Proprietary
PTRON T-390 (Champion Technologies)	Scale Inhibitor	Methanol	67-56-1
		Nonylphenol Ethoxylate	Proprietary
AI-150E (Halliburton)	Corrosion Inhibitor	No hazardous substance	N/A
CL (SWN Well Services)	Hydrocholic Acid	Hydrochloric Acid	7647-01-0
		Water	7732-18-5
-65 MC (Halliburton)	Scale Inhibitor	Organic phosphonate	Proprietary
		Ammonium Chloride	12125-02-9
PTI-FLEX (U.S. Well Services)	Viscosifying Agent	Distillates, petroleum, hydrotreated light	64742-47-8
exslick 930			Proprietary
Valley 230	Friction Reducer	Copolymer of 2-propenamide Hydrotreated Distillate	64742-47-8
		Sodium Chloride	7647-14-5
		Alcohols, C12-16, Exoxylated	68551-12-2
		Oleic Acid Diethanolamide	93-83-4
		Ammonium Chloride	12125-02-9
exslick 953	Existion Deduce		
EVOID 200	Friction Reducer	Petroleum Distillate	64742-47-8 7647-14-5
		Sodium Chloride RECEIVED	12125-02-9
		Ammonium Chloride RECEIVED N,N-bis (2-hydroxyethyl) oleamide Office of Oil and Gas	12125-02-9 93-83-4
	Edition Bad		and the second second second
exslick 957	Friction Reducer	Petroleum Distillate	64742-47-8 12125-02-9
		Ammonium Chloride JUL 2 0 2022	
			93-83-4
		Alcohols, C12-16, Exoxylated Water	68551-12-2
FRA 2000 (I) E Well Services	Andreado Patroto en 1	WV Department of	7732-15-5
FRA-2000 (U.S. Well Services)	Anionic Friction Reducer	Hydrotreated light distillate (petroleum)	64742-47-8
	e 1.1.19.5		
exaid 655 NM	Scale Inhibitor	Diethylenetriamine penta (methylene phosphonic acid)	15827-30-8
exslick 922	no data available	Copolymer of 2-propenaminde	69418-26-4
		Distillates (petroleum), hydotreated light	64742-47-8
		Ammonium chloride ((NH4)Cl)	12125-02-9
Icido PSEOA	Rigaidal and that	Oleic Acid Diethnolamide	93-83-4
olcide PS50A	Biocidal product	Tetrakis (hydroxymethyl) phosphonium sulphate	55566-30-8
		Acrylic acid terpolymer containing carboxylate phosphonate and sulfonate	207256 50 7
2-2850	Fristion Paduan	groups	397256-50-7
D-2950	Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8
		Ethoxylated alcohol	Proprietary
		Poly (oxy-1.2-ethanediyl) alphatridecylomegahydroxy-, branched	69011-36-5
egend LD-7750W	Scale Control	Methanol	67-56-1
		Phosphonic Acid Salt	Proprietary
C MX 8-4743			7631-99-409

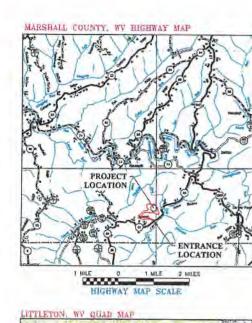














NOR MORE THAN TEN (10) WORK DAYS PRIOR TO THE BEGINNING OF SUCH WORK

THE WEGHNATION CONTAINED HEREN IS THE SOLE PROPERTY OF THE THRASHER DROUP, NO. REPRODUCTION OF THESE BODUMENTS IN WHOLE OR IN PART, FOR ANY REASON WITHOUT PROM WRITTER PERMISSION, IS STRUCTLY PROHIBITED.

## **AS-BUILT PLANS** FOR YOCUM WELL PAD AND ACCESS ROAD LIBERTY DISTRICT, MARSHALL COUNTY, WV **FEBRUARY 2019**

Office of Oil and Gas JUL 2 0 2022

RECEIVED

WV Department of Environmental Protection

TOPHOLE	COORDINATES	

Well Number	WV83-M Latitude	WV83-N Longitude	UTM 83-17 Northing	UTM 53-17 Easting
205H	N 39.732964*	W 80.583491*	14425769.221 ft	1757513.640 ft
SH	N 39.732946°	W 80.563518"	14429762.709 ft	1757506.049 ft
ЭН	N 39.732929*	W 80.583545*	14429756.199 ft	1757498.450 ft
1H	N 39.732911*	W 80.583572*	14429749.720 ft	1757490.871 ft
SLOT 5	N 39.732893*	W 80.583600*	14429743.188 /r	1757483.283 ft
SLOT 6	N 39.732875*	W 80.583627*	14429736.678 ft	1757475.694 ft
SLOT 7	N 39.732857*	W 80.583654*	14429730.173 ft	1757468.105 ft
5.078	N 39.732840*	W 80.583681*	14429723.667 ft	1757460.516 ft
SLOT 9	N 39.732822*	W 80.583708*	14429717.157 ft	1757452.928 ft
SLOT 10	N 39.732804*	W 80.583735*	14429710.651 ft	1757445.339 ft
SLOT 11	N 39.732786*	W 80.583762*	14429704.145 ft	1757437.750 ft
SLOT 12	N 39.732769*	W 80.583789*	14429697.636 ft	1757430.161 ft
SLOT 13	N 39.732751*	W 80.583816*	14429691.130 ft	1757422.572 ft
SLOT 14	N 39.732733*	W 80.583843*	14429684.620 ft	1757414.583 ft
SLOT 15	N 35.732715*	W 80.583871'	14429578.115 ft	1757407.394 ft
SLOT 16	N 39.732697*	W 80.583898*	14429671.609 ft	1757399.805 ft
SLOT 17	N 39.732748*	W 80.583953*	14429689.823 ft	1757384.188 ft
SLOT 18	N 39,732765*	W 80,583926*	14429695.329 ft	1757391.776 ft
SLOT 19	N 39.732783*	W 80.583899*	14429702.835 ft	1757399.365 ft
SLOT 20	N 35.732801*	W 80.583872*	14429709.344 ft	1757406.954 ft
SLOT 21	N 39,732819*	W 80.583845*	14429715.850 ft	1757414.543 ft
SLOT 22	N 39.732837*	W 80.583817*	14429722.356 ft	1757422.132 ft
SLOT 23	N 39.732854*	W 80.583790*	14429728.866 ft	1757429.721 ft
SLOT 24	N 39.732872*	W 80.583763*	14429735.371 ft	1757437.310 ft
SLOT 25	N 39.732890*	W 80.583736*	14429741.877 ft	1757444.898 ft
SLOT 26	N 39.732908*	W 80,583709*	14429748.387 ft	1757452.487 1:
SLOT 27	N 39.732925*	W 80.583682*	14429754.893 ft	1757460.076 ft
SLOT 28	N 39.732943*	W 80.583655*	14429761.399 ft	1757467.665 ft
SLOT 29	N 39.732961"	W 80.583628*	14429767.908 ft	1757475.254 ft
SLOT 30	N 39.732979*	W 80.583601*	14429774.414 ft	1757482.845 ft
SLOT 31	N 39.732997*	W 80.583574*	14429780.920 ft	1757490.434 ft
SLOT 32	N 39.733014"	W 80.583545*	14429787.430 ft	1757498.023 ft

Property Owner (Tax Map / Parcel)	Access Read Disturbance	Well Pad Disturbance	Total Disturbance
Yocum Joseph Lee & Michael D [25-7-26-9]	2.94	16.57	15,91
Yocum Joseph Lee & Michael D (25:7-27-4)	7.66	0.00	7,65
Yocum Joseph Lee & Michael D {25-7-27-5}	0.25	0.00	0.25
High Philip D [25-7-27-8]	0.11	5.00	0.11
Total Disturbance	10.96	16.97	27.93

#### SITE COORDINATES

Coordinate Label	Well Pad Center	Access Road Beginning	AST Center
WVB3-N Latitude	N 35 732854*	N 39.729937*	N 35.733895*
WV83-N Longitude	W 80.583723*	W 80.584823*	W 20.585613*
WV83-N Northing	450881.231 ft	449822.465 ft	451268.087 ft
WVES-N Easting	1653725.923 ft	1663403.685 ft	1663199.057 ft
UTM 83-17 Northing	14429728.998 ft	14428665.345 ft	14430105.875 #
UTM 83-17 Easting	1757448.620 ft	1757144.214 ft	1756815.538 ft
UTM \$3-17 Northing	4398190.195 m	4397865.993 m	4398305.372 m
UTM E3-17 Easting	535671.411 m	535578.628 m	535508927 m

## WELLS

WELL NAME	API NUMBER	CELLAR	DEPTH	CELLAR MATERIAL	
PERMITTED YOCUM MSH SH	051-02024	10	10	CELLAR TECH	
PERMITTED YOCUM MSH 3H	B51-02124	10	10"	CELLAR TECH	
PERMITTED TOCUM MSG 205H	051-02125	10'	10	CELLAR TECH	
PERMITTED YOCUM MSH 1H	051-02133	10	10"	CELLAR TECH	

#### DRIVING DIRECTIONS FROM CAMERON, WV

FROM	DOWNTOWN	CAMERON	S-WAY STO

HEAD SOUTH ON WILEY (361-FT) TURN LEFT ONTO US-250 S / MAPLE AVE (8.4-mi) TURN RIGHT ONTO AMOS HOLLOW RD (2.0-mi)

DESTINATION WILL BE ON THE RIGHT



	SHEET INDEX
SHEET	DESCRIPTION
1	TITLE SHEET
2-3	EVACUATION PLAN & PREVAILING WIND
4	AS-BUILT OVERALL SITE PLAN
5-8	AS-BUILT ACCESS ROAD PLAN & PROFILE
9	AS-BUILT WELL PAD PLAN
10,-	AS-BUILT-WELL PAD SECTIONS
RI	SLIP REPAIR OVERALL
82	STIP PEPAIR SITE PLAN

D1-D6 DETAILS I hereby certify that I am a licensed engineer in the state of West Virginia. This As-Built certifies, to the best of my knowledge, information and belief; the Well Pad constructed by Burns Drilling & Excavation, in Marshall County, WV on behalf of SWN Production Company, LLC, has been constructed in general conformance to the plans and specification and, in my professional

R3

R4

R5-R14

AST PLAN

AST PAD SECTIONS ACCESS ROAD SECTIONS

opinion, is in compliance with applicable laws, codes, and ordinances.

	PPROVE	DFOR	PERMIT	5	DATE:	2/19/18	BY:	RBM
10051	PPROVE					5/16/18	BY:	RBM
	PPROVE			UCTION	6	ALC: NOT ONLY	BY:	RBM
REVISI			BY	DATE		DESCRIP	TION	



OPERATO SWN PRODUCTION COMPANY, LLC 179 Innovation Drive Jane Lew, WV 26378 (304) 884-1610

