

#### west virginia department of environmental protection

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

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

Friday, August 19, 2022 WELL WORK PERMIT Horizontal 6A / New Drill

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

Re:

Permit approval for VERNON JOHNSON WTZ 201H

47-103-03519-00-00

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

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

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

> James A Chief

Operator's Well Number:

VERNON JOHNSON WTZ 2011 VERNON'S JOHNSON ESTAT

Farm Name:

47-103-03519-00-00

U.S. WELL NUMBER:

Horizontal 6A New Drill

Date Issued: 8/19/2022

API	Number:	

#### PERMIT CONDITIONS

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

#### CONDITIONS

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

API Number:	
	The second secon

#### **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.

WW-6B (04/15) API NO. 47-009 OPERATOR WELL NO. Vermon Johnson WTZ 201H
Well Pad Name: Vernon Johnson WTZ

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

1) Well Operator:	SWN Produ	ction Co., LLC	494512924	103-Wetzel	3-Clay	438-Littleton
			Operator ID	County	District	Quadrangle
2) Operator's Wel	l Number: Ver	non Johnson W	TZ 201H Well P	ad Name: Vern	on Johnso	on WTZ
3) Farm Name/Sur	rface Owner:	/ernon S. Johnson	Estate Public R	oad Access: Ric	e Ridge R	oad_
4) Elevation, curre	ent ground:	1432' / E	levation, propose	d post-construct	ion: 1432	
5) Well Type (a	) Gas X	Oil	Un	derground Stora	ge	
O	ther					
(b	)If Gas Shal	low x	Deep			_
	Hori	zontal X				transaction of
6) Existing Pad: Y	es or No Yes			_		
<ol> <li>Proposed Targe Target Formation- Mar</li> </ol>	the second secon	V		A transfer of the state of the		, Associated Pressure- 5006
8) Proposed Total	Vertical Depth	7681'				
9) Formation at To	otal Vertical De	epth: Marcellus	s			
10) Proposed Tota	l Measured De	pth: 27397'	/			† (Hall)
11) Proposed Hori	zontal Leg Ler	ngth: 17588.43	31			
12) Approximate I	Fresh Water St	rata Depths:	440' / 22	0		
13) Method to Det	termine Fresh V	Water Depths:	Salinity Profile and Ne	earby Logs from Vern	on Johnson V	075 VTZ 10H API 47-103-027
14) Approximate S			ty Profile analys	is and nearby log	gs	
15) Approximate (	Coal Seam Dep	oths: 1277'				
16) Approximate I	Depth to Possil	ole Void (coal m	ine, karst, other)	None that we	are aware	of.
17) Does Proposed directly overlying			ms Yes	No	x	
(a) If Yes, provid	le Mine Info:	Name:				
A.V. S. S. STREET, S. S.		Depth:			0	RECEIVED .
		Seam:				III. # 4 page
		Owner:			- 4	UL 1 4 2022
					Envir	V Department of immental Protection

WW-6B (04/15) API NO. 47- 009

OPERATOR WELL NO. Vernon Johnson WTZ 201H
Well Pad Name; Vernon Johnson WTZ

18)

#### CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	20"	New	J-55	94#	126'	126' /	CTS
Fresh Water	13 3/8"	New	J-55	54.5#	540'	540'	654 sx/CTS
Coal	See	Interm	Casing				
Intermediate	9 5/8"	New	J-55	36#	0,	2600' -	1585 sx/CTS
Intermediate	9 5/8"	New	J/K-55	40#	2600'	3001' /	1
Production	6"	New	P-110	24.5#	0'	5000' -	
Production	5 1/2"	New	P-110 HP	20#	5000'	27397' /	Tail 5096ex/ 100' Inside Intermediate

Thomas ( Anayolds 7-7-22

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu, ft./k)
Conductor	20"	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:	REGEIVED Office of Oil and Ga
Depths Set:	JUL 1 4 2022

WV Department of Environmental Protection WW-6B (10/14)

#### 4710303519

API NO. 47- 009

OPERATOR WELL NO. Vernon Johnson WTZ 201H

Well Pad Name: Vernon Johnson WTZ

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): 8.4
- 22) Area to be disturbed for well pad only, less access road (acres): 5.9
- 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

JUL 1 4 2022

WV Department of Environmental Protection

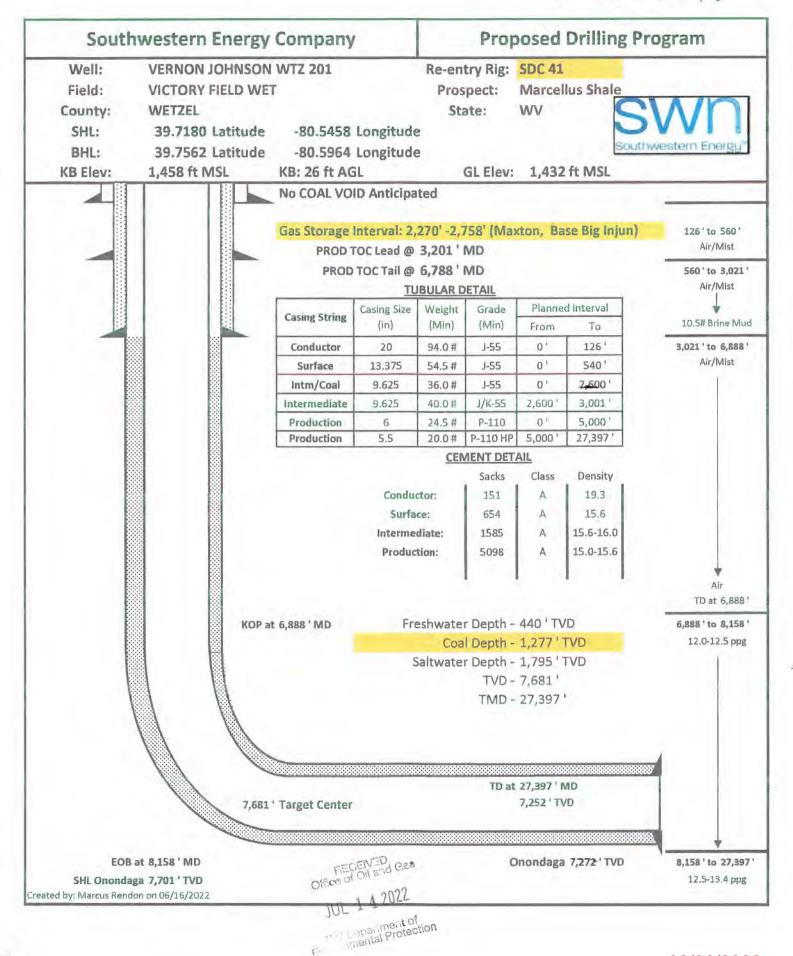
\*Note: Attach additional sheets as needed.

			CEMENT A	ADDITIVES		
INTERVAL	SCHLUMBERGER PRODUCT NAME	BJ PRODUCT NAME	NEXTIER PRODUCT NAME	PRODUCT USE	CHEMICAL NAME	CAS-Numbe
SURFACE (FRESHWATER)	><	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	> <	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	$\times$	LIQUID ANTIFOAM AGENT	POLYPROPYLENE GLYCOL	25322-69-4
INTERMEDIATE	$>\!\!<$	INTEGRA SEAL	C1e00	LOST CIRC MATERIAL	CELLOPHANE FLAKES	9005-81-6
	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
1:0		> <	CJ111	ACCELERATOR	SODIUM CHLORIDE	7440-23-5
	><	SS-11W	CJ880	SURFACTANT	NONIONIC SURFACTANT	6540-99-4
	D047	FP 28L	$\times$	LIQUID ANTIFOAM AGENT	POLYPROPYLENE GLYCOL	25322-69-4
	><	> <	CJX157011	SOLID ANTIFOAM AGENT	FULLERS EARTH(ATTAPULGITE)	8031-18-3
		$\overline{\mathbf{x}}$	CJ540	HP FLUID LOSS ADDITIVE	ALIPHATIC AMIDE POLYMER	PROPRIETAR
PRODUCTION	D255	$\overline{\mathbf{x}}$	X	MED TEMP FLUID LOSS ADDITIVE	POLYACRILIC POLYMER	PROPRIETAR
		$>\!\!<$	CJ213	RETARDER	CHRYSTALLINE SILICA	14808-60-7
	>>	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

PEOFIVED Office of Oil and Ges

JUL 1 4 2022

M V Deparament of Environmental Protection



#### 4710303519

API Number 47 - 103

Operator's Well No., Vernon Johnson WTZ 201H

## 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) West Virginia Fork Fish Creek Quadrangle Littleton	
Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes	No
Will a pit be used? Yes No 🗸	
If so, please describe anticipated pit waste:	
Will a synthetic liner be used in the pit? Yes No If so, what ml.?	
Proposed Disposal Method For Treated Pit Wastes:	
Land Application	
Underground Injection ( UIC Permit Number Various Approved Facilities	
Reuse (at API Number_At the next anticpiated well  Off Site Disposal (Supply form WW-9 for disposal location)	
Other (Explain recovery and solidification on site	
Will closed loop system be used? If so, describe: Yes-See Attachment 3A	
Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc.	fluid drill with SOBM from KOP to TD
-If oil based, what type? Synthetic, petroleum, etc. Synthetic Oil Base	
Additives to be used in drilling medium? Attachment 3B	
Drill cuttings disposal method? Leave in pit, landfill, removed 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 MSWL01  Apex Sanitary Landfill Ub-U8438, Brooke Co SWF-1U13,	
Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permitte where it was properly disposed.	waste rejected at any e shall also disclose
Company Official Signature Brittany Woody  Company Official (Typed Name) Brittany Woody	ion. I understand that the it and/or other applicable mation submitted on this mediately responsible for that there are significant of one and Gas
Company Official Title Senior Regulatory Analyst	mental Protection
Subscribed and sworn before me this 1st day of Jove , 20 22	
Notary Public	REID CROFT  Notary Public Official Seal  State of West Virginia
My commission expires 8/21/2024	My Comm. Expires Aug 21, 202 47 Sparrow Lane Morgantown WV 2650

#### **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.

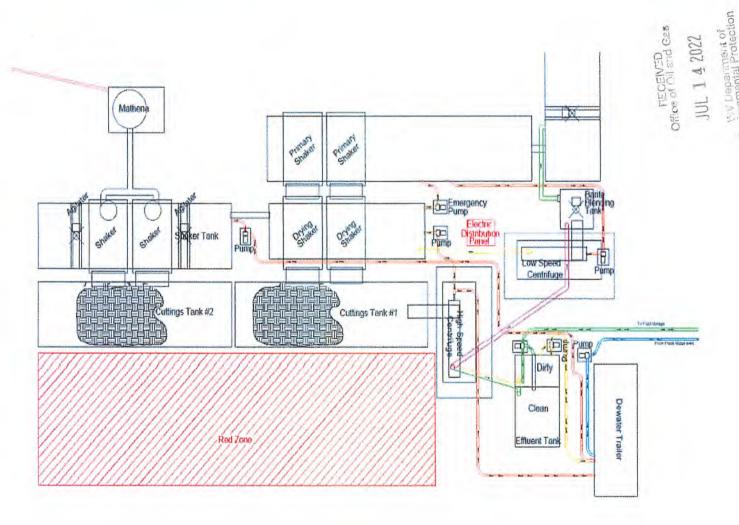
RECEIVED
Office or Oil and Gas

JUL 1 4 2022

WV Department of Environmental Protection

# EXAMPLE SCHEMATIC FOR CLOSED LOOP SOLIDS CONTROL SYSTEM





#### **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** 

NECTIVED
Office of Obland Gas

JUL 1 4 2022

WV Department of Environmental Protection

roposed Revegetation Treatme	nt: Acres Disturbed 8.4		Prevegetation pl	·
Lime as determined by pH test mir	n.2 Tons/acre or to correct to	pH 5.9	·····	
Fertilizer type 10-20-	20			
Fertilizer amount 600	/500	_lbs/acre		
Mulch_ Hay/Straw	То	ns/acre		
	<u>\$</u>	Seed Mixtures		
Тетр	oorary		Perma	nent
Seed Type Ibs/acre			Seed Type	lbs/acre
(aps(s) of road, location, pit an ovided). If water from the pit	will be land applied, include	plication (unless er e dimensions (L x '	ngineered plans inclue W x D) of the pit, and	ding this info have been dimensions (L x W), a
Iaps(s) of road, location, pit an rovided). If water from the pit creage, of the land application	will be land applied, include area.	plication (unless er e dimensions (L x '	ngineered plans include W x D) of the pit, and	ding this info have been I dimensions (L x W), a
laps(s) of road, location, pit an rovided). If water from the pit creage, of the land application thotocopied section of involved	will be land applied, include area.  1 7.5' topographic sheet.	e dimensions (L x \	W x D) of the pit, and	ding this info have been I dimensions (L x W), a
laps(s) of road, location, pit an ovided). If water from the pit treage, of the land application inotocopied section of involved an Approved by:	will be land applied, include area.  17.5' topographic sheet.	e dimensions (L x )	W x D) of the pit, and	l dimensions (L x W), a
laps(s) of road, location, pit an rovided). If water from the pit creage, of the land application thotocopied section of involved lan Approved by:	will be land applied, include area.  17.5' topographic sheet.	e dimensions (L x )	W x D) of the pit, and	l dimensions (L x W), a
Maps(s) of road, location, pit an rovided). If water from the pit creage, of the land application whotocopied section of involved Plan Approved by:	will be land applied, include area.  17.5' topographic sheet.	e dimensions (L x )	W x D) of the pit, and	l dimensions (L x W), a
Maps(s) of road, location, pit an rovided). If water from the pit creage, of the land application whotocopied section of involved clan Approved by:	will be land applied, include area.  17.5' topographic sheet.	e dimensions (L x )	W x D) of the pit, and	l dimensions (L x W), a
Maps(s) of road, location, pit an rovided). If water from the pit creage, of the land application hotocopied section of involved lan Approved by:	will be land applied, include area.  17.5' topographic sheet.	e dimensions (L x )	W x D) of the pit, and	l dimensions (L x W), a
Maps(s) of road, location, pit an rovided). If water from the pit creage, of the land application thotocopied section of involved lan Approved by:	will be land applied, include area.  17.5' topographic sheet.	e dimensions (L x )	W x D) of the pit, and	I dimensions (L x W), a
Attach: Maps(s) of road, location, pit an rovided). If water from the pit creage, of the land application who to copied section of involved Plan Approved by:  Comments:	will be land applied, include area.  17.5' topographic sheet.	e dimensions (L x )	W x D) of the pit, and	RECOMOS OF



#### **WVD Seeding Specification**



To Order Seed contact Lyndsi Eddy Flippo office 570-996-4271 cell 501-269-5451 lyndsi\_eddy@swn.com

(please allow 7 to 10 days for delivery)

		WANTED TO THE CONTROL OF THE CONTROL
Seed Mixture: ROW Mix	SW	/N Supplied
Orchardgrass	40%	
Timothy	15%	
Annual Ryegrass	15%	
Brown Top Millet	5%	
Red Top	5%	
Medium Red Clover	5%	All legumes are
White Clover	5%	innoculated at 5x normal
Birdsfoot Trefoil	5%	rate
Rough Bluegrass	5%	
Apply @ 100lbs per acre April 16th- Oct. 14th	5(	Apply @ 200lbs per acre Oct. 15th- April 15th PLUS Dibs per acre of Winter Wheat

	m		At	M	$\neg$	N.	ME	L/A	WE V		<b>E</b> 000
ы	u	1,20	241	V1		Ш	LI I	VI	ΕN	ж	$\sim M$

10-20-20 Fertilizer \*Apply @ 500lbs per Acre
Pelletized Lime Apply @ 2 Tons per Acre
\*unless otherwise dictated by soil test results

#### Seeding Calculation Information:

1452' of 30' ROW/LOD is One Acre 871' of 50' ROW/LOD is One Acre 622' of 70' ROW/LOD is One Acre

#### Synopsis:

Every 622 linear feet in a 70' ROW/LOD, you should be using (2) 50lb bags of seed, (4) 50lb bags of fertilizer and (80) 50lb bags of Lime (2x seed in winter months + 50lb Winter Wheat/ac).

#### Special Considerations:

Landowner Special Considerations including CREP program participants require additional guidance that is not given here. Discuss these requirements with SWN supervision at the beginning of the project to allow time for special seed delivery.

Seed Mixture: SWN Production Organic	Mix	SWN Supplied
Organic Timothy	50%	
Organic Red or White Clover	50%	
OR		
Organic Perennial Ryegrass	50%	
Organic Red or White Clover	50%	
Apply @ 100lbs per acre		Apply @ 200lbs per acre
April 16th- Oct. 14th		Oct. 15th- April 15th
Organic Fertilizer @ 200lbs per Acre		Pelletized Lime @ 2 Tons per Acre

Seed Mixture: Wetland Mix	SWN Supp	lied
VA Wild Ryegrass	20%	8
Annual Ryegrass	20%	500
Fowl Bluegrass	20%	見る意
Cosmos 'Sensation'	10%	2027
Redtop	5%	The state of the s
Golden Tickseed	5%	0% 1 3
Maryland Senna	5%	18 3
Showy Tickseed	5%	ő
Fox Sedge	2.5%	
Soft Rush	2.5%	
Woolgrass	2.5%	
Swamp Verbena	2.5%	
Apply @ 25lbs per acre	A	pply @ 50lbs per acre
April 16th- Oct. 14th		Oct. 15th- April 15th

# MARCELLUS WELL DRILLING PROCEDURES AND WELL SITE SAFETY PLAN

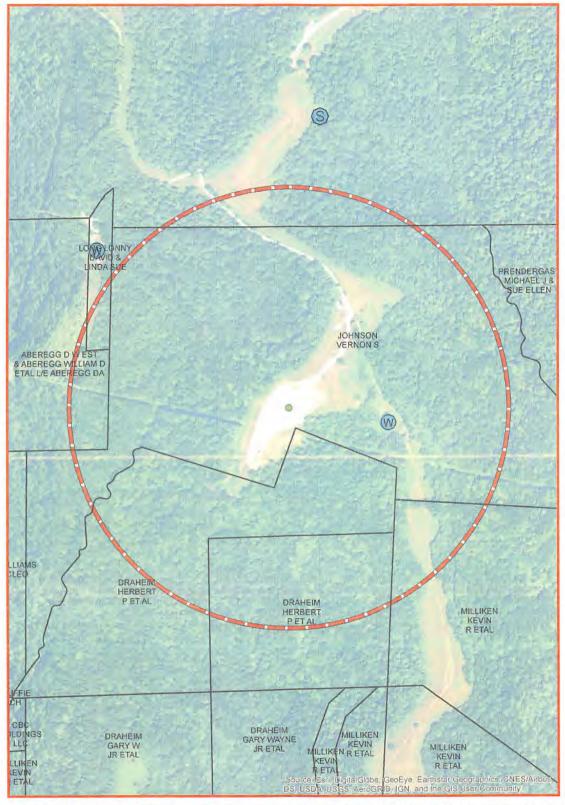


SWN Production Company, LLC 1300 Fort Pierpont Drive, Suite 201 Morgantown, West Virginia 26508

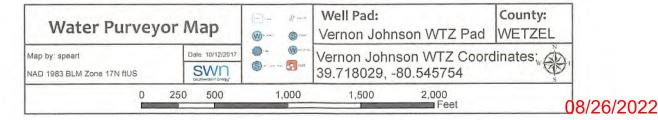
# API NO. 47-XXX-XXXXX WELL NAME: Vernon Johnson WTZ 201H Littleton QUAD Clay DISTRICT WETZEL COUNTY, WEST VIRGINIA

Submitted by:		
Name: Brittany Woody Suttany Woody	Date: <u>5/31/2022</u>	
Title: Senior Regulatory Analyst	SWN Production Co., LLC	
Approved by:		
Name: Junet L. Layolda	Date: 7-7-22	
Title: OILYGDS INSPECTOR		
Approved by:		
Name:	Date:	RECEIVED Office of Oil and Gas
Title:		JUL 1 4 2022
d		// Department of Environmental Protection

SWN PRODUCTION COMPANY, LLC - CONFIDENTIAL



The intent of this map is for general reference only. Information on this map was created using the best available data at the time but is not guaranteed accurate.



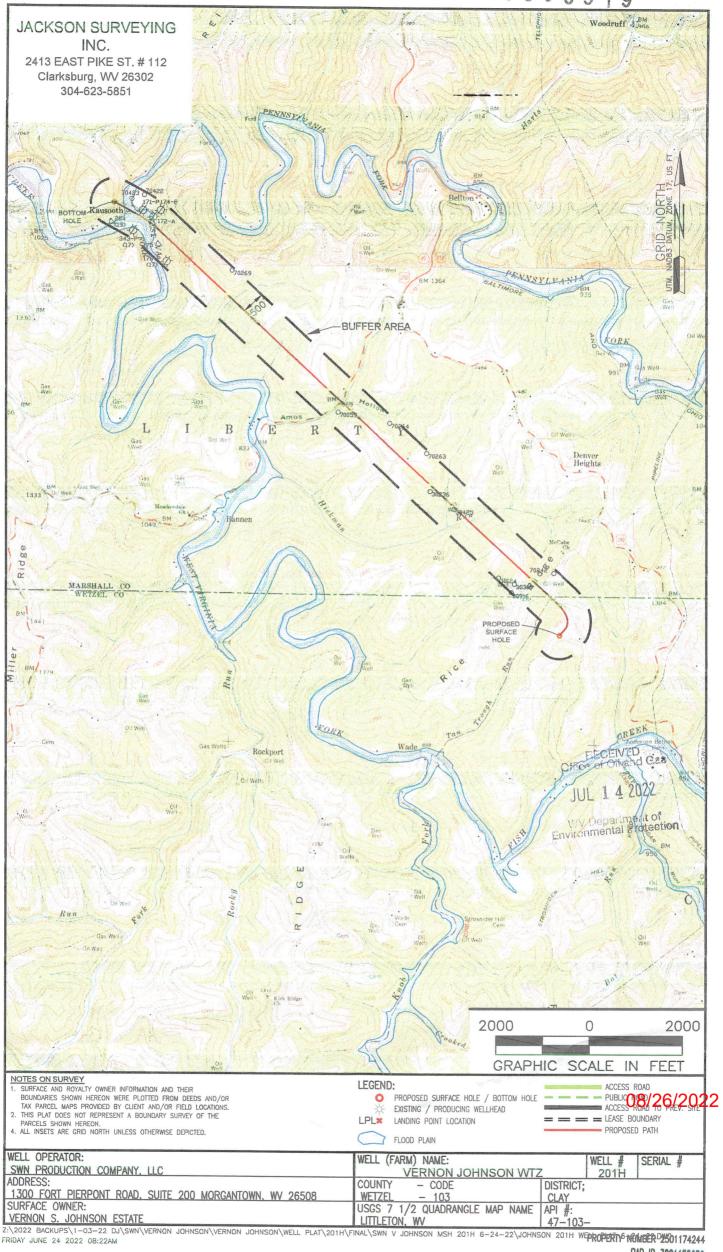
Vernon Johnson WTZ 201H AOR

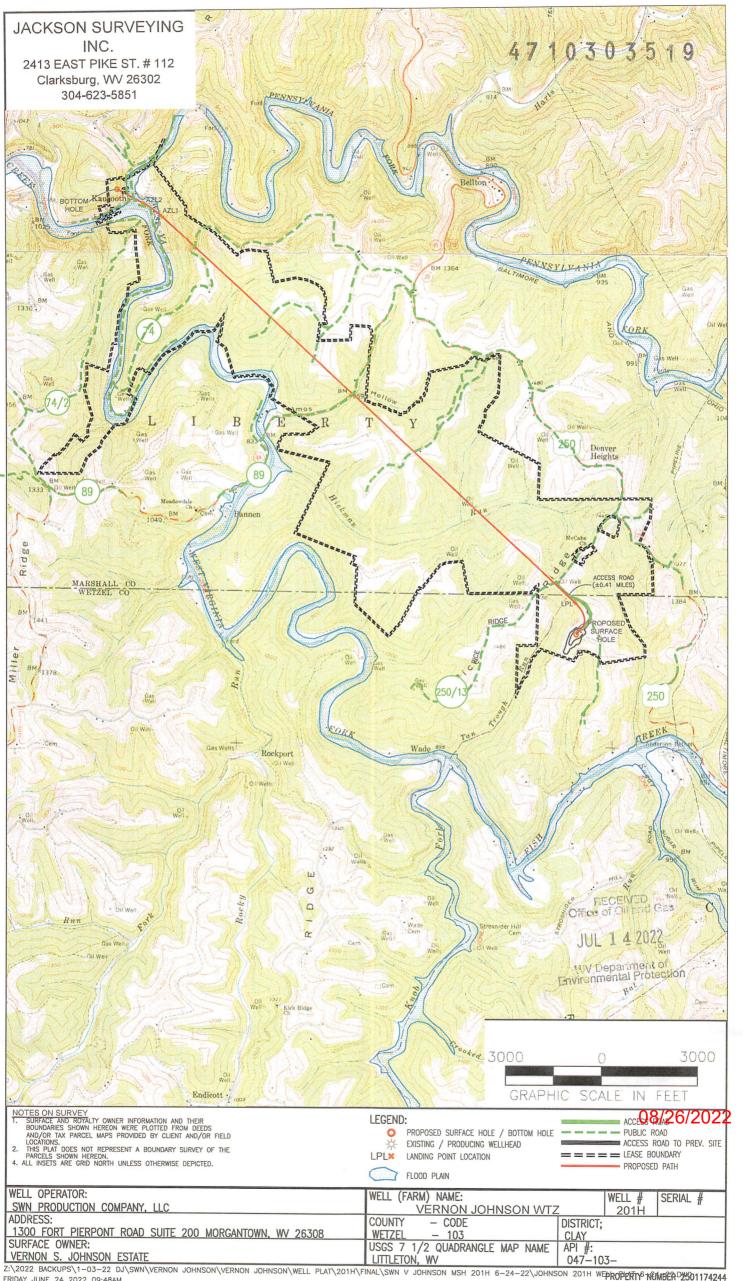
API	Operator	Status	Latitude	Longitude	Vertical TD	<b>Producing Formation</b>	Producing Zones Not Perforated
051-30916	Unknown	Unknown	***	***	Unknown	Unknown	***
051-30309	Unknown	Unknown	***	***	3,354	Gordon	***
051-70242	Unknown	Unknown	***	***	Unknown	Unknown	***
051-30124	Unknown	Unknown	***	***	3,292	Gordon	***
051-30425	Unknown	Unknown	***	***	Unknown	Unknown	***
051-30236	Unknown	Unknown	***	***	3,200	4th Sand	***
051-70263	Unknown	Unknown	***	***	Unknown	Unknown	***
051-70264	Unknown	Unknown	***	***	Unknown	Unknown	***
051-70269	Unknown	Unknown	***	***	Unknown	Unknown	***
051-00176	Unknown	Plugged	***	***	471	Unknown	***
051-00175	Columbia Gas Transmission, LLC	Active/Storage	39.751842	-80.591788	1,662	Maxton	***
051-00174	Columbia Gas Transmission, LLC	Plugged	39.754745	-80.591601	1,582	Big Lime	***
051-00172	Columbia Gas Transmission, LLC	Abandoned	39.754165	-80.592540	Unknown	Unknown	***
051-00171	Columbia Gas Transmission, LLC	Plugged	39.7546	-80.593481	2,623	5th Sand	***
051-00284	Unknown	Plugged	39.754455	-80.596301	2,608	5th Sand	***
051-00343	Unknown	Plugged	39.753294	-80.594421	1,870	Big Injun	***
051-70422	Unknown	Unknown	***	***	Unknown	Unknown	***
051-70423	Unknown	Unknown	***	***	Unknown	Unknown	***
051-70059	Unknown	Unknown	***	***	3,288	4th Sand	***

4710303519



4710303519





#### Latitude: 39°45'00" SURFACE HOLE 1,163' Latitude: 39°47'30" BOTTOM HOLE 3,687' JACKSON SURVEYING INC. 2413 EAST PIKE ST. # 112 Clarksburg, WV 26302 304-623-5851 N 12\*44'31" S 11\*08'54" N 61\*30'26 SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4,396,557.562 EASTING: 538,929.144 LANDING POINT LOCATION (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4,396,859.073 EASTING: 538,916.288 12,930 AZIMUTH POINT LOCATION-1 (AZL1): UTM (NAD83, ZONE 17, METERS): NORTHING: 4,400,511.819 EASTING: 534,992.336 HOLE 201H AZIMUTH POINT LOCATION-2 (AZL2): UTM (NAD83, ZONE 17, METERS): NORTHING: 4,400,640.000 EASTING: 534,814.095 BOTTOM NTS BOTTOM HOLE LOCATION (BHL) UTM (NAD83, ZONE 17, METERS): NORTHING: 4,400,773.140 EASTING: 534,568.807 ns TH. NORT X. ZONE 80°35'00" 学30192-A (26) 70242 70241 30309-A (26) -030321-A (26) 201H 73271 SHL 3000 -030408-A 30311-A (26) 73255 EXISTING WELLS WITHIN 3000' SCALE: 1"=3000' AND JACKS WELL RESTRICTIONS IL RESTRICTIONS NO OCCUPIED DWELLINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD. NO AGRICULTURE BUILDINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD. NO WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL. NO PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE. NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE, OR GROUND INTAKE OR PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD, LIMITS OF DISTURBANCE, E & S CONTROLS OR PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD, LIMITS OF DISTURBANCE, E & S CONTROLS OR PUBLIC WATER SUPPLY. OR WID JACKSON STATE OF WIRE ST NOTES ON SURVEY SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED. 3000 3000 GRAPHIC SCALE IN FEET IN THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND REQULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION. COMPANY: David L Jackson Production Company, LLC Production Company™ (+) DENOTES LOCATION OF WELL ON MINIMUM **VERNON JOHNSON WTZ** DEGREE OF UNITED STATES TOPOGRAPHIC MAPS ACCURACY: 1/200 OPERATOR'S WELL #: PROVEN PROVEN SURVEY SOURCE OF GRADE GPS OFFICE OF OIL & GAS 601 57TH STREET 103 47 API WELL #: ELEVATION: (NAVD 88, US FT) CHARLESTON, WV 25034 STATE COUNTY PRODUCTION WELL TYPE: OIL WASTE DISPOSAL DEEP SHALLOW X GAS X LIQUID INJECTION STORAGE 1,431.5 WATERSHED: WEST VIRGINIA FORK FISH CREEK (HUC-10) **ELEVATION:** DISTRICT: CLAY COUNTY: WETZEL QUADRANGLE: LITTLETON, WV ACREAGE: ±132.00 SURFACE OWNER: VERNON S. JOHNSON ESTATE OIL & GAS ROYALTY OWNER: AMP FUND III; LP; ALICE M. ABEREGG; ELLEN ABEREGG; JAMES J. ABEREGG; KEITH ABEREGG; BRIAN F. BUTLER; RED STONE RESOURCES, LLC; JAMES STONEKING ACREAGE: ±132.00 DRILL DEEPER FRACTURE OR STIMULATE

11,656

HOLE

SURFACE

80°32'30"

.ongitude:

REDRILL

STATE: WV

CLEAN OUT & REPLUG

==== LEASE BOUNDARY

26508

PROPOSED PATH

SURVEYED BOUNDARY

PLUG & ABANDON

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC

ADDRESS: 1300 FORT PIERPONT ROAD SUITE 200

PROPOSED SURFACE HOLE / BOTTOM HOLE EXISTING / PRODUCING WELLHEAD LANDING POINT LOCATION

TARGET FORMATION: MARCELLUS

MORGANTOWN

I FGFND:

LPL\*

PLUG OFF OLD FORMATION PERFORATE NEW FORMATION

STATE:

WV

Y) 08/26/2022 ESTIMATED DEPTH: 7,681' TVD 27,397' TMD

ZIP CODE:

26508

DATE: 06-24-2022

DRAWN BY: N.

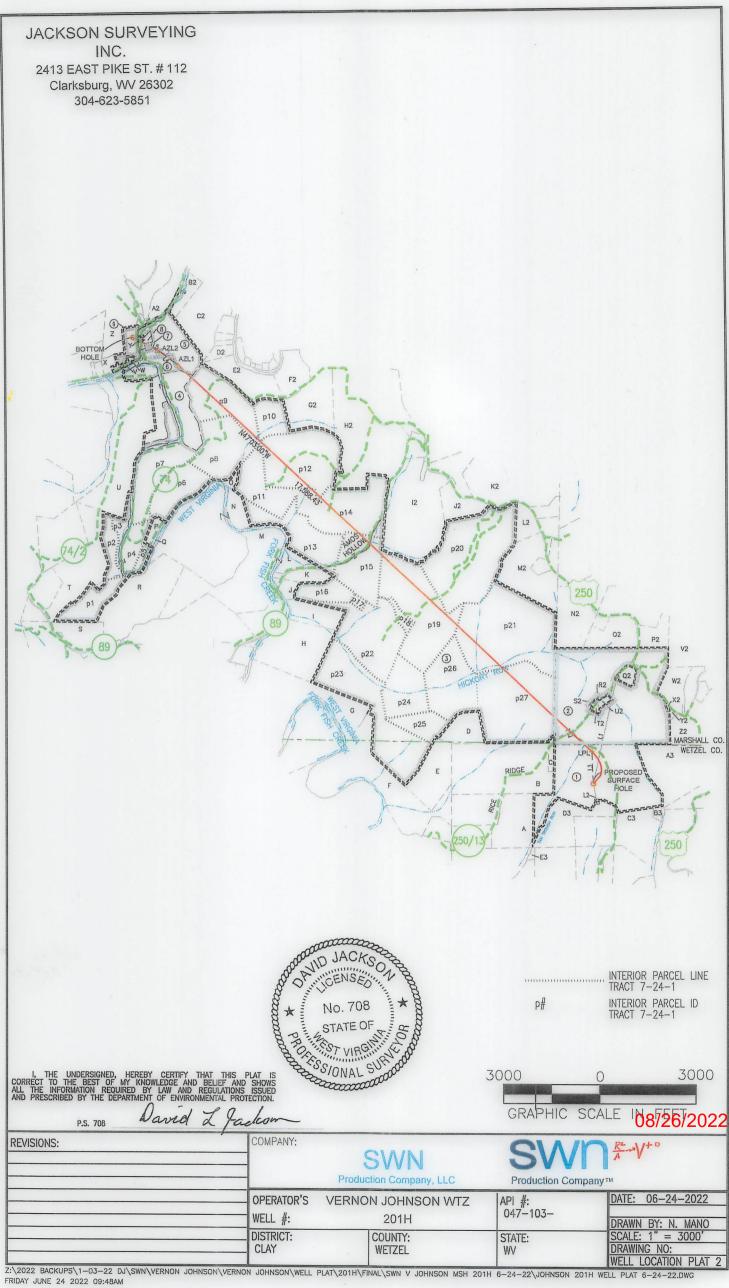
OTHER CHANGE (SPECIFY)

CITY: MORGANTOWN

REVISIONS:

DESIGNATED AGENT: BRITTANY WOODY

ADDRESS: 1300 FORT PIERPONT ROAD SUITE 200



### JACKSON SURVEYING INC.

2413 EAST PIKE ST. # 112 Clarksburg, WV 26302 304-623-5851

	WELL BORE TRACTS	
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	
1	JOHNSON VERNON S EST (S)/ AMP FUND III; LP; ALICE M. ABEREGG; ELLEN ABEREGG; JAMES J. ABEREGG; KEITH ABEREGG, BRIAN F. BUTLER; RED STONE RESOURCES, LLC; JAMES STONEKING (R)	03-01-01
TRACT	SURFACE OWNER (S)	
2	PRENDERGAST MICHAELJ & SUELLEN LEMLEY (S)	07-23-26
3	W VA WILDLIFE RESOURCES SECTION (S)	07-24-01
4	FROMHART BRAD ET UX - LIFE (S)	07-20-41
5	UNDERDONK ALAN (S)	07-16-25.1
6	FROMHART BRAD ET UX - LIFE (S)	07-20-01
7	MARLING SUELLEN (S)	07-20-03
8	BURGE JUDITH A & VIRGINIA L BAILEY (S)	07-20-04
9	CUMPSTON GAIL (S)	07-19-20

RACT	SURFACE OWNER	TAX PARCE
A	WILLIAMS JOHN EDWARD	01-03-09
В	ABEREGG D W EST & ABEREGG WILLIAM D ETAL L/E ABEREGG DA	01-03-02
С	LONG LONNY DAVID & LINDA SUE	01-03-2.1
D	WADE MICHAEL CLAY & MCCELLAND LAWRENCE W - TOD ET AL	07-24-06
E	WILLIAMS KATHERINE E TRUST	01-03-01
F	SEIDLER EARL DALE & NETTIE	01-02-6.1
G	VELLEKOOP PETER B ET UX - TOD	07-27-13
Н	VELLEKOOP PETER B ET UX - TOD	07-27-11
1	VELLEKOOP PETER B ET UX - TOD	07-27-10.1
1	VELLEKOOP PETER B ET UX - TOD	07-26-6.2
K	VELLEKOOP PETER B ET UX - TOD	07-26-6.1
L	GEDEON DANIEL D ET UX	07-26-06
M	YOCUM JOSEPH LEE & MICHAEL D	07-26-09
N	CONSOLIDATED GAS SUPPLY CORP	07-26-08
0	BUZZARD COLIN R	07-26-03
P	HUNDRED RESOURCES INC	07-26-11
Q	BUTLER JOHN M & LISA A	07-26-11.1
R	HORNER DELORSE A	07-26-10
5	RIGGS JOHN E JR & DELANA	07-27-02
T	MORGAN JAMES E - LIFE	07-26-14
U	GRIBBEN M PEGGY REVOCABLE LIVING TRUST	07-19-28
V	VUCELICK CHARLES EST	07-19-22
W	SHARPENBERG DALTON & DEREK	07-19-21
X	DRUSCHELJAMES F & JAMIE ANN ET AL	07-19-23
Υ	CONNELLY CHAS E	07-20-05
Z	CUMPSTON GEORGE R ET AL	07-16-24
A2	BUTLER JOHN MATTHEW	07-16-39
B2	BURGE JUDITH A & VIRGINIA L BAILEY ET AL	07-16-40
C2	BURGE JUDITH A & VIRGINIA L BAILEY ET AL	07-20-06
D2	GEHO ANNIE LEST	07-20-11
E2	BURLEY AMMON ET UX	07-20-12
F2	BURLEYAMMON	07-20-18
G2	BURLEY AMMON A	07-20-24
H2	BURLEY AMON A	07-20-37
12	GRESHAW JASON M & MARY L	07-25-02
J2	BROWN ANDREW C III	07-25-06
K2	HARRINGTON CLYDE F	
L2		07-25-07
M2	W VA DEPT OF COMMERCE DIV OF NATURAL RESOURCES	07-25-09
N2	CONAWAY THOMAS EARLJR & CAROLYN K STOWE	07-25-12
02	CONAWAYTHOMAS E	07-23-01
P2	PIERCE ALMA O	07-23-3.1
	PIERCE ALMA O	07-23-04
Q2	CONAWAY ROBERT W ET UX	07-23-26.2
R2	RICE RIDGE COMMUNITY CHURCH	07-23-26.3
S2	MCCABE M E CHURCH	07-23-28
T2	RICE RIDGE CEMETERY	07-23-27
U2	MACKEY KATHLEEN & DEBRA POE	07-23-26.3
V2	LUCAS PAUL W LIVING TRUST	07-23-06
W2	GRANT JEFFREY W & VIRGINIA F	07-23-21
X2	GRANT JEFFERY W ET UX	07-23-22
Y2	BYERLY CHARLES BRADLEY	07-23-24
Z2	DISHMAN BOBBY RONALD	07-23-25
АЗ	PRENDERGAST MICHAEL J & SUE ELLEN	03-01-02
83	WV MINERALS INC	03-01-03
C3	MILLIKEN KEVIN R ETAL	03-01-04
D3	DRAHEIM HERBERT P ET AL	03-01-06
E3	CBC HOLDINGS LLC	03-01-8.1

				08/26/2022
REVISIONS:	COMPANY:	SWN Production Company, LLC	SW/ Production Com	P <sup>2</sup> / <sub>A</sub> →V <sup>+</sup> °
	OPERATOR'S WELL #:	VERNON JOHNSON WTZ 201H	API #: 047-103-	DATE: 06-24-2022  DRAWN BY: N. MANO
	DISTRICT: CLAY	COUNTY: WETZEL	STATE: WV	SCALE: N/A DRAWING NO: WELL LOCATION PLAT 2

Z:\2022 BACKUPS\1-03-22 DJ\SWN\VERNON JOHNSON\VERNON JOHNSON\WELL PLAT\201H\FINAL\SWN V JOHNSON MSH 201H 6-24-22\JOHNSON 201H WELL PLAT 6-24-22\DWG

WW-6A1 (5/13) Operator's Well No. Vernon Johnson WTZ 201H

#### 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 -

- 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				D . 1 /D
Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page

See Exhibit "A"

\*Co-tenancy utilization - 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

RECEIVED
Office of Oil and Gas

JUL 1 4 2022

WV Department of Environmental Protection

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

Well Operator:	SWN Production Company, LLC	
By:	KO2/L	
Its:	Senior Landman	
		_

Wetzel County, West Virginia

4710303519

				<b>T</b>	. 49	
ø	TMP	LESSOR	LESSEE	ROYALTY	BK/PG	Interest Not Leased by SWN Production Company, LLC
1	3-1-1	Alice Driver, f/k/a Alice LeBoda, a single woman	Chesapeake Appalachia, L.L.C.	12.50%	94A/461	0.0000%
-			SIA/M Broduction Company IIC		157A/540	
	١.	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC  Chesapeake Appalachia, L.L.C.	12.50%	94A/464	ł
		Ellen Vannatter, a single woman Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
		Carol Staley, f/k/a Carol Butler, a married woman	Chesapeake Appalachia, L.L.C.	12.50%	94A/467	1
	į	dealing in her sole and separate property		i	1	
	ĺ	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
	1	James Joseph Aberegg, a/k/a Joseph Aberegg, a	Chesapeake Appalachia, L.L.C.	12.50%	94A/476	
	l	single man Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
	1	James Denzil Stoneking, a married man dealing in	Chesapeake Appalachia, L.L.C.	12.50%	94A/470	1
		his sole and separate property Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
		Kelth Aberegg, a married man dealing in his sole	Chesapeake Appalachia, L.L.C.	12.50%	94A/473	1
		and separate property Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	Į.	157A/540	
2	7-23-26	Michael J. Prendergast, single, and Suellen Lemkey,	TriEnergy, Inc.	12.50%	741/84	0.0000%
_		married	I		21/140	İ
		TriEnergy, Inc.	TriEnergy Holdings, LLC Chevron U.S.A. Inc.		21/148 28/356	
	1	TriEnergy Holdings, LLC and TriEnergy, Inc. Chevron U.S.A. Inc.	SWN Production Company, LLC and Statoil USA		40/257	
			Onshore Properties Inc.	17.000	722/624	0.00000
3	7-24-1 pt. 27	Hayhurst Company, a Florida General Partnership	Chesapeake Appalachia, L.L.C.	17.00%	723/624	0.0000%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	11100	33/110	ł
	1	James Edward Doull, a married man dealing in his sole and separate property	Chesapeake Appalachia, L.L.C.	12.50%	685/221	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	13500	33/110	ł
		Ernest N. Keller a/k/a Ernest M. Keller and Pearl H. Keller, his wife	Chesapeake Appalachia, L.L.C.	12.50%	683/390	1
		Chesapeake Appalachia, L.L.C. Robert Lee Keller and Mary Kay Keller, his wife	SWN Production Company, LLC	12.50%	33/110 683/349	1
	!	nuocik wee keller and wary kay keller, his wife	Chesapeake Appalachia, L.L.C.	12.50%		
		Chesapeake Appalachia, L.L.C. Carolyn Joyce Daugherty, single	SWN Production Company, LLC Chesapeake Appalachia, L.L.C.	12.50%	33/110 684/1	1
	1	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	I
		Neva E. Keller, a widow Chesapeake Appalachia, L.L.C.	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	12.50%	688/127 33/110	l
		Donna J. Savage, a married woman dealing in her	Chesapeake Appalachia, L.L.C.	12.50%	684/117	1
		sole and separate property Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	1	33/110	
3	7-24-1 pt. 21	Christopher G. Adams and Frica Adams, his wife	Chesapeake Appalachia, L.L.C.	17.00%	761/402	0.0000%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	1	33/110	
		Derrick H. Adams and Suzanne Adams, his wife	Chesapeake Appalachia, L.L.C.	17.00%	761/395	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	1	33/110	1
	[	Paul Charles Adams, a single man	Chesapeake Appalachia, L.L.C.	17.00%	750/168	ł
	l	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	İ
	l	Bruce D. Bonar and Sandra C. Bonar, his wife	Chesapeake Appalachia, L.L.C.	17.00%	751/608	
	1	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Lee D. Bonar and Bonnie M. Bonar, his wife	Chesapeake Appalachia, L.L.C.	17.00%	747/270	1
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
	İ	Charles W. Bonar and Charlotte L. Bonar, his wife	Chesapeake Appalachia, L.L.C.	17.00%	755/109	1
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	l
		Brian Harris Bonar, Power of Attorney for Katherine		16.00%	951/337	
		L. Bonar, a widow Ronald E. Bonar, a single man		<u> </u>	<u> </u>	
		Chesapeake Appalachia, L.L.C.	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	17.00%	754/616 33/110	
		The Estate of Richard L. Bonar, by Saundra J. Bonar,		17.00%	751/167	i
	1	acting as Executor and Saundra J. Bonar, a widow	1	1		l .
	l	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	1	33/110	l
	1	William D. Bonar and Gloria A. Bonar, his wife	Chesapeake Appalachia, L.L.C.	17.00%	746/271	1
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	1	33/110	İ
	1	Arnell Elizabeth Bowser and Glen F. Bowser, her	Chesapeake Appalachia, L.L.C.	17.00%	778/28	1
	I	husband Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	l	33/110	
	1	Cornelia C. Browne, widow	SWN Production Company, L.L.C.	16.00%	955/350	1
		Clyde W. Caseman and Alicia L. Caseman, his wife	Chesapeake Appalachia, L.L.C.	17.00%	748/401	I
	1	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
	1	Joseph W. Caseman and Gretchen V. Caseman, his	Chesapeake Appalachia, L.L.C.	17.00%	747/600	1
	I	wife Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	1	33/110	
	1	Nelda S. Clark, widow	SWN Production Company, L.L.C.	16.00%	955/243	l
	I	Robert Clark Adams and Charlotte A. Adams, his	Chesapeake Appalachia, L.L.C.	17.00%	749/622	
	l	wife Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	1	33/110	
	l	David Edwards, single	SWN Production Company, L.L.C.	17.00%	1046/565	
		Richard Cunliffe Edwards, a/k/a Richard Cunliff Edwards, a widower	Chesapeake Appalachia, L.L.C.	17.00%	775/409	
	l	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
	l	Richard Edwards, married dealing in his sole and	SWN Production Company, L.L.C.	17.00%	961/213	
	1	Separate property Thomas Edwards, married dealing in his sole and	SWN Production Company, L.L.C.	17.00%	962/430	
		separate property	<u> </u>			Er
		Roberta M. Snyder, a/k/a Roberta Mary Clark, a widow	Chesapeake Appalachia, L.L.C.	17.00%	749/96	L:I
	İ	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Sandra K. Groux and Harry W. Groux, her husband	Chesapeake Appalachia, L.L.C.	17.00%	748/503	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Edward Martin Sedor, a widower, by his Attorney-In	SWN Production Company, L.L.C.	17.00%	890/158	
		Fact, Mark A. Sedor William L. McCutcheon, a widower	Chesapeake Appalachia, L.L.C.	17.00%	751/602	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
•						

RECEIVED

UL 1 4 2022

V Department of onmental Protection

1	Patricia Austin Meyer, married dealing in her sole	SWN Production Company, L.L.C.	17.00%	957/589	
	and separate property	Chesapeake Appalachia, L.L.C.	17.00%	768/154	
	The Estate of John William Orr, Sr., by Linda Q. Morgan, a/k/a Linda Orr Morgan, acting as	Creadpooks ryppolatilid, t.t.A.	A1.5076		
	Executrix, Linea 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			lawin	
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	12000	33/110 963/70	
	Susan Diane Clark Noidlinger, divorced Suzanne Patrick, f/k/a Suzanne Edwards, married	SWN Production Company, L.L.C. SWN Production Company, L.L.C.	17,00%	963/70	
	Suranne Patrick, tykya Suranne Edwards, married Gealing in her sole and separate property	Transcraft Configuration Co. C. C.	97,0073	asey00	
		Characteristic Association 1.1.	17.00%	777/481	
	Dorothy Patterson, a single woman	Chesapeake Appalachia, L.L.C.	17.00%	33/110	
	Chesapeake Appalachia, L.C. The Mary Kathryn Ray Revocable Trust, dated	SWN Production Company, LLC Chesapeake Appalachia, L.L.C.	17.00%	750/118	
1	December 18, 1988, by Mary Kathryn Ray, acting as	Citizapente Apparacia, c.c.	1	130,220	
	Trustee	CMAN Proposition Community 115		33/110	
	Chesapeake Appalachia, L.L.C. Nancy L. Rodgers, 1/k/a Nancy Matthews and	SWN Production Company, LLC  Chesapeake Appalachia, L.C.C.	17.00%	748/527	
	William I. Rodgers, her husband		2	100	
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
	Cliff Sligar, a married man dealing in his sole and separate property	SWN Production Company, L.L.C.	17.00%	956/244	
	David B. Sligar, a married man dealing in his sole	SWN Production Company, L.L.C.	17.00%	956/248	
	and separate property George Leroy Smith and Evelyn F. Smith, his wife	Chesapeake Appalachia, L.L.C.	17.00%	748/442	
	Occurge seasoy sensor and everyn r. Smith, his wife	Sample of the suppose	17.00%	140last	
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
	John Bernaro Smith and Ethel Rose Smith, his wife	Chesapeake Appalachia, L.L.C.	17.00%	748/436	
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
	Malcolm V. Smith, Jr., a widower	Chesapeake Appalachia, L.L.C.	17.00%	777/487	
	Chesapeake Appalachia, L.L.C.	5WN Production Company, LLC		33/110	
	Russell Lee Smith and Marybelle Smith, his wife	Chesapeake Appalachia, L.L.C.	17.00%	747/623	
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
	Donna R. Walker, a widow	Chesapeake Appalachia, L.L.C.	17.00%	777/475	
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	10000	33/110	
	Dorothy E. Wheeler, a widow	Chesapeake Appalacisa, L.L.C.	17.00%	750/111	
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
	Mary T. Zito, f/k/a Mary T. Nesbitt, f/k/a Mary Bonar Nesbitt, a vidow	Chesapeake Appalachia, L.L.C.	17.00%	764/201	
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
7-24-1 pt	B Royalty Owners	N/A	N/A	N/A	B.3833W
	Mary Frances Anderson, a single woman	SWN Production Company, L.L.C.	17.00%	1040/237	
	Dominion Energy Transmission, Inc.	SWN Production Company, L.L.C.	18.00%	977/487	
	Frank C. McCuskey and Neva C. McCuskey Trust, dated March 27, 1979, by Dan F. McCuskey, a/k/a	Chesapeake Appalachio, L.L.C.	12.50%	690/556	
	Dan Frederick McCuskey, acting as Trustee				
	Chesapeake Appalachia, L.L.C.	SWN Progration Company 117	1	33/110	
	Johanna Helffrich Greenwood, married dealing in	SWN Production Company, LLC Chesapeake Appalachia, L.L.C.	17.00%	715/313	
	her sole and separate property		17,4074	1 +3/343	
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
	Ruchard Helffrich, a married man dealing in his sole and separate property	Chesapeake Appalachia, L.L.C.	17.00%	715/321	
	Chesapeake Appalachia, L.L.C.	SWN Procestion Company, LLC		33/110	
	Charles F. McCuskey, Ir., a married man dealing in	Chesapeake Appalachia, L.L.C.	17.00%	716/1	
	his sole and separate property Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
	Michael McCuskey, a/k/a Michael Paul McCuskey, a		12.50%	1065/82	
	married man dealing in his sole and separate				
	property  Bill McCuskey, a/k/a William Charles McCuskey and	SWN Production Comment 1.1.7	17.00%	1064/309	
1	Deena L McCuskey, husband and wife	STATE OF THE PROPERTY CALL	17.00%	1004/309	
		CUANT Department of Co.		1000700	
	Reliant Holdings, LLC, a West Virginia Company, by Peter McCuskey, Managing Member	SWA Freduction Company, L.L.C.	17.00%	1063/645	
	Gretchen Helffrich Zavala, a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	17,00%	715/316	
		1107 37 4 1 1 1			
-	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
7-24-1 pt 1	The Security Trust Company, a Corporation, as Attorney-in-Fact for Judith M. Blue, Josephine C.	The Manufacturers Light and Heat Company	12.50%	353/111	0.0000%
	Blue, Ellen D. Hoge, Virginia H. Randolph, Agusta L.				
	Randolph, Agusta Hoge Evans, Joan B. Hoge, Mary				
	W. Wright, Lucius H. Wilson, Mary Ellen Mumforo, Richard H. Hoge, George H. Hoge, Audrey May				
	Meyer, Elizabeth N. Wild and Elizabeth Wood; and				
	the Estate of Mary C. Walker				
		A TOP DECISION OF THE PARTY OF			
	The Manufacturers Light and Heat Company	Columbia Gas Transmission Corporation		422/204	
1	Columbia Gas Transmission Corporation	Columbia Natural Resources, LLC		642/281	
	Columbia Gas Transmission Corporation	Chesapeake Appalachia, L.L.C.		662/322	
7-24-1 pt. 1	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	-	33/110	
A Seria Bit, 3	Franklin Thomas Barrett, a/k/a Franklin T. Barrett, a	N/A Chesapeake Appalachia, L.E.C.	N/A	N/A =90/103	20.00001
	married man dealing in his sole and separate	этомувале гранация, L.L.С.	12.50%	689/192	
	property	Status Deposit contract Communication		Airbeit	
1	Chesapeake Appalachia, L.L.C. Ammon A. Burley and Flora J. Burley, husband and	SWN Production Company, LLC SWN Production Company, LLC	15.00%	33/110 919/345	
1	wife		15.00%	939/343	
	Doris St. John, a single woman	Chesapeake Appalachia, L.L.C.	12.50%	687/122	
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
	Robert Burley, a single man; Barbara I. Burley, a single woman; Wayne E. burley, a single man	Chesapeake Appalachia, L.L.C.	12.50%	688/112	
		America Company			
	Chesapeake Appalachia, L.L.C. Timothy N. Budov, a married man realing is his sale.	SWN Production Company, LLC	14.200	33/110	
		Chesapeake Appalachia, L.L.C.	12.50%	694/152	
	and separate property				

CHOCH OF CHI and Gas

JUL 1 4 2022

WV Department of Environmental Protection

Elizabeth Ann Cain, a married woman dealing in her	Chesapeake Appalachia, L.L.C.	12.50%	685/235
sole and separate property Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110
Edward L. Conaway, a single man	Chesapeake Appalachia, L.L.C.	12.50%	694/21
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	ł	33/110
Rosemary Cain, a married woman dealing in her	Chesapeake Appalachia, L.L.C.	12.50%	685/227
sole and separate property	SWN Production Company, LLC	1	33/110
Chesapeake Appalachia, L.L.C.  Krystal K. Camp, a married woman dealing in her	Chesapeake Appalachia, L.L.C.	12.50%	694/147
krystal K. Camp, a married woman dealing in her sole and separate property	Chesapeake Appascha, C.C.C.	12.30%	W-/1-
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110
Donald Scott Conaway, a single man	SWN Production Company, L.L.C.	16.00%	932/629
Robert W. Conaway, Jr., a single man	SWN Production Company, L.L.C.	16.00%	932/636
Ronald W. Conaway, a married man dealing in his sole and separate property	Chesapeake Appalachia, L.L.C.	12.50%	694/336
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	1	33/110
Thomas David Conaway, a married man dealing in	SWN Production Company, L.L.C.	12.50%	1045/629
his sole and separate property First Assembly of God Church of Alliance, OH, an	SWN Production Company, L.L.C.	12.50%	1065/68
Ohlo non-profit corporation, by Reverend Lawrence	Sylver rousellon company, E.E.C.	12.30%	,
A. Grow, Agent		13500	604/160
Jeffrey L. Fish, a single man	Chesapeake Appalachia, L.L.C.	12.50%	694/160 33/110
Chesapeake Appalachia, L.L.C. Elizabeth Ann Cain, a married woman dealing in her	SWN Production Company, LLC Chesapeake Appalachia, L.L.C.	12.50%	685/235
sole and separate property	Cresapeake Apparacia, L.C.C.	1	0.00,200
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	<u> </u>	33/110
Hulda Marie Gilbertson-Wayt, a/k/a Hilda Marie	Chesapeake Appalachia, L.L.C.	12.50%	708/118
Gilbertson-Wayt, a married woman dealing in her sole and separate property (Life Estate Interest) and		1	
Kimberly Ann Wayt, a single woman, and Kerry	i	l	
Dean Wayt, a single woman (Remainder Interest)	I	1	1
	1	ŀ	i
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	<u> </u>	33/110
L. Gene Gray and Joan V. Gray, husband and wife	SWN Production Company, L.L.C.	12.50%	961/189
Margery Jeanette Hale, a widow	Chesapeake Appalachia, L.L.C.	12.50%	687/104
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110
Kathy Watkins Hoopes, a/k/a Kathy J. Watkins,	Chesapeake Appalachia, L.L.C.	12.50%	685/369
a/k/a Kathy Hoopes, a married woman dealing in he		1	
sole and separate property			
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110
Marguerite Kaczorowski, a/k/a Marguerite Jean	Chesapeake Appalachia, L.L.C.	12.50%	687/112
Kaczorowski, a married woman dealing in her sole and separate property			
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110
Dorothy Maxine Katzmeyer and Paul Richard	Chesapeake Appalachia, L.L.C.	12.50%	687/126
Katzmeyer, her husband	SURI Destruction Community	1	
Chesapeake Appalachia, L.L.C. Darrel Kerns, a/k/a Darrel Wayne Kerns, a married	SWN Production Company, LLC Chesapeake Appalachia, L.L.C.	12.50%	33/110 695/507
man dealing in his sole and separate property	Спезареаке Арранстіна, Е.Е.С.	12.30%	033/30/
		Į	
Chesapeake Appalachia, L.L.C. Susan Smurthwaite, a married woman dealing in	SWN Production Company, LLC	43.500	33/110
her sole and separate property	Chesapeake Appalachia, L.L.C.	12.50%	688/172
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110
Annette Aldine Lloyd, a/k/a Annette A. Lloyd, a	Chesapeake Appalachia, L.L.C.	12.50%	693/589
widow Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	1	33/110
Patricia Loy, a/k/a Elsie Patricia Loy, a married	Chesapeake Appalachia, L.L.C.	12.50%	686/229
woman dealing in her sole and aeparate property	, , , , , , , , , , , , , , , , , , , ,		,
Characteria Academia III S	SHOULD A STATE OF THE STATE OF	i	
Chesapeake Appalachia, L.L.C. Beula Kathleen Mackey, a widow	SWN Production Company, LLC Chesapeake Appalachia, L.L.C.	12.50%	33/110 685/231
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	12.50%	33/110
Richard J. McHenry, Sr., a married man dealing in	SWN Production Company, L.L.C.	12.50%	976/79
his sole and separate property	January, L.L.C.	12.50%	3,4,73
Beth Ann Mysliwiec-Andlinger, a married woman	SWN Production Company, L.L.C.	12.50%	957/555
dealing in her sole and separate property		1	l
Jana Lynn Robbins, a married woman dealing in her	SWN Production Company, L.L.C.	12.50%	957/561
sole and separate property  Mary Lou Rubini, f/k/a Mary Lou Bleim, a married	Chesapeake Appalachia, L.L.C.	13500	607#25
woman dealing in her sole and separate property	спезареаке мурайскій, Е.Е.С.	12.50%	687/130
		1	1
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	<u> </u>	33/110
Betty J. Burley, a widow	Chesapeake Appalachia, L.L.C.	12.50%	691/21
Chesapeake Appalachia, L.L.C. Stone Hill Minerals Holdings, LLC	SWN Production Company, LLC TH Exploration, LLC	1700	33/110
Stone Hill Minerals Holdings, LLC TH Exploration, LLC	SWN Production Company, LLC and Statoli USA	17.00%	894/489 41/299
-	Onshore Properties Inc.		i
Carolyn Stowe, a married woman dealing in her sole	SWN Production Company, L.L.C.	12.50%	1038/401
			L
	SWN Production Company, L.L.C.	17.00%	932/644
John Wanchick, a married man dealing in his sole and separate property	SWN Production Company, L.L.C.	17.00%	932/644
and separate property John Wanchick, a married man dealing in his sole and separate property Michael Wanchick, a married man dealing in his sole and separate property	SWN Production Company, L.L.C. SWN Production Company, L.L.C.	17.00% 17.00%	932/644 935/291
John Wanchick, a married man dealing in his sole and separate property			
John Wanchick, a married man dealing in his sole and separate property Michael Wanchick, a married man dealing in his sole and separate property Donald Marlin Watkins, a/k/a Marlin Watkins, a married man dealing in his sole and separate	SWN Production Company, L.L.C.	17.00%	935/291
John Wanchki, a married man dealing in his sole and separate property Michael Wanchick, a married man dealing in his sole and separate property Donald Martin Watkins, a/k/a Martin Watkins, a married man dealing in his sole and separate property	SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C.	17.00%	935/291 685/365
John Wanchick, a married man dealing in his sole and separate property Michael Wanchick, a married man dealing in his sole and separate property Donald Marlin Watkins, a/k/a Marlin Watkins, a married man dealing in his sole and separate	SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	17.00%	935/291 685/365 33/110
John Wanchick, a married man dealing in his sole and separate property Michael Wanchick, a married man dealing in his sole and separate property Donald Martin Wattins, a/k/a Martin Wattins, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Doris St. John, a single woman	SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C.	17.00%	935/291 685/365 33/110 687/108
John Wanchick, a married man dealing in his sole and separate property Michael Wanchick, a married man dealing in his sole and separate property Oncald Martin Wattins, a/k/a Marlin Wattins, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Doris St. John, a single woman Chesapeake Appalachia, L.L.C. Karen J. Jones, a married woman dealing in her sole Karen J. Jones, a married woman dealing in her sole	SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Chesapeake Appalachia, L.L.C.	17.00%	935/291 685/365 33/110
John Wanchick, a married man dealing in his sole and separate property Michael Wanchick, a married man dealing in his sole and separate property Donald Martin Wastlars, a/k/a Martin Wastlars, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Doris St. John, a single woman Chesapeake Appalachia, L.L.C. Karen J. Jones, a married woman dealing in her sole and separate property	SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Chesapeake Appalachia, L.L.C.	17.00% 12.50%	935/291 685/365 33/110 687/108 33/110 688/176
John Wanchkic, a married man dealing in his sole and separate property Michael Wanchick, a married man dealing in his sole and separate property Donald Martin Watthins, a/k/a Martin Watthins, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Dorts St. John, a single woman Chesapeake Appalachia, L.L.C. Karen J. Jones, 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, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	17.00% 12.50% 12.50%	935/291 685/365 33/110 687/108 33/110 688/176 33/110
John Wanchick, a married man dealing in his sole and separate property Michael Wanchick, a married man dealing in his sole and separate property Donald Martin Wastlars, a/k/a Martin Wastlars, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Doris St. John, a single woman Chesapeake Appalachia, L.L.C. Karen J. Jones, a married woman dealing in her sole and separate property	SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Chesapeake Appalachia, L.L.C.	17.00% 12.50%	935/291 685/365 33/110 687/108 33/110 688/176
John Wanchkic, a married man dealing in his sole and separate property Michael Wanchick, a married man dealing in his sole and separate property Donald Martin Wartins, a/k/a Martin Wartins, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Doris St. John, a single woman Chesapeake Appalachia, L.L.C. Karen J. Jones, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Andrew F. Wood, a married man dealing in his sole	SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	17.00% 12.50% 12.50%	935/291 685/365 33/110 687/108 33/110 688/176 33/110
John Wanchick, a married man dealing in his sole and separate property Michael Wanchick, a married man dealing in his sole and separate property Michael Wanchick, a married man dealing in his sole and separate property Obonald Martin Wattins, a/k/a Martin Wattins, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Dorts St. John, a single woman Chesapeake Appalachia, L.L.C. Karen J. Jones, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Andrew F. Wood, a married man dealing in his sole and separate property John F. Yeager and Gertrud Yeager, his wife	SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC SWN Production Company, LLC Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C.	17.00% 12.50% 12.50% 12.50%	935/291 685/365 33/110 687/108 33/110 688/176 33/110 1040/242 693/566
John Wanchkic, a married man dealing in his sole and separate property Michael Wanchick, a married man dealing in his sole and separate property Michael Wanchick, a married man dealing in his sole and separate property Obnaid Martin Wattins, 3/k/a Martin Wattins, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Doris St. John, a single woman Chesapeake Appalachia, L.L.C. Karen J. Jones, a married woman dealing in her sole and separate property Occaspeake Appalachia, L.L.C. Andrew F. Wood, a married man dealing in his sole and separate property John F. Yeager and Gertrud Yeager, his wife Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC SWN Production Company, LLC. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C.	17.00% 12.50% 12.50% 12.50% 12.50%	935/291 685/365 33/110 687/108 33/110 688/176 33/110 1040/242 693/566 33/110
John Wanchick, a married man dealing in his sole and separate property Michael Wanchick, a married man dealing in his sole and separate property Donald Martin Wattins, a/k/a Martin Wattins, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Doris St. John, a single woman Chesapeake Appalachia, L.L.C. Karen J. Jones, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Andrew F. Wood, a married man dealing in his sole and separate property John F. Yeager and Gertrud Yeager, his wife	SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC SWN Production Company, LLC Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C.	17.00% 12.50% 12.50% 12.50%	935/291 685/365 33/110 687/108 33/110 688/176 33/110 1040/242 693/566

RECEIVED Office of Oil and Gas

JUL 1 4 2022

WV Department of Ervironmental Protection Vernon Johnson WTZ 201H Wetzel County, West Virginia 4710303519

	Zeppernick, a/k/a Sharon Neala Zeppernick, a married woman dealing in her sope and separate property	Chesapeake Appalachia, L.L.C.	12.50%	689/188
7-24-1 pt 13	Chesapeake Appalachia, L.L.C. Royalty Owners	SWN Production Company, LLC N/A	N/A	I N/A
ison p. a.	Franklin Thomas Barrett, a/k/a Franklin T. Barrett, a married man dealing in his sole and separate	Chesapeake Appalachia, L.L.C.	12.50%	689/192
	property	SWN Production Company, LLC		33/110
	Chesapeake Appalachia, L.L.C. Ammon A. Burley and Flora J. Burley, husband and	SWN Production Company, LLC.	15.00%	919/345
	wife Donald Burley and Jacqueline J. Burley, his wife	Chesapeake Appalachia, L.L.C.	12.50%	687/122
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	-	33/110
	Robert Burley, a single man; Barbara I. Burley, a single woman; Wayne E, burley, a single man	Chesapeake Appalachia, L.L.C.	12.50%	688/112
	Chesapeake Appalachia, L.L.C. Timothy N. Burley, a married man dealing in his sole	SWN Production Company, LLC Chesagnake Appalachia, L.L.C.	12.50%	33/110 694/152
	and separate property Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110
	Elizabeth Ann Cain, a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	12,50%	685/235
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	1	33/110
	Eoward L. Conaway, a single man	Chesapeake Appalachia, L.L.C.	12.50%	694/21
	Chesapeake Appalachia, L.L.C. Rosemary Cain, a married woman dealing in her	SWN Production Company, LLC Chesapeake Appalachia, L.L.C.	12.50%	33/110 685/227
	sole and separate property		15.00	
	Chesapeaké Appalachia, L.L.C. Krystal K. Camp, a married woman dealing in her	SWN Production Company, LLC Chesapeake Appalachia, L.L.C.	12.50%	33/110 694/147
	sole and separate property	The second secon	- seasons	0.50
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	16.00%	33/110
	Donald Scott Conaway, a single man Robert W. Conaway, Jr., a single man	SWN Production Company, L.L.C. SWN Production Company, L.L.C.	16.00%	932/629 932/636
1	Ronald W. Conaway, a married man dealing in his	Chesapeake Appalachia, L.L.C.	12.50%	694/336
1	sole and separate property	augus augus s		
1	Chesapeake Appalachia, L.L.C. Thomas David Conaway, a married man dealing in	SWN Production Company, LLC SWN Production Company, L.L.C.	12.50%	33/110
	this sole and separate property	2775 Fromedion Company, E.C.C.	42,5076	7040/0/0
	First Assembly of God Church of Alliance, OH, an Ohio non-profit corporation, by Reverend Lawrence A. Grow, Agent	SWN Production Company, L.L.C.	17.00%	1065/68
1	Jeffrey L. Fish, a single man	Chesapeake Appalachia, L.L.C.	12.50%	694/160
1	Chesapeake Appalachia, L.T.C.	SWN Production Company, LLC	11000	33/110
	Hulda Marie Gilbertson-Wayt, a /k/4 filida Marie Gilbertson-Wayt, a married woman dealing in her sole and separate property (Life Estate Interest) and Kimberly Ann Wayt, a single woman, and Kerry Dean Wayt, a single woman (Remainder Interest)	Chesapeake Appalachia, L.L.C.	12.50%	708/118
	Chesapeake Appalachia, L.L.C. L. Gene Gray and Joan V. Gray, husband and wife	SWN Production Company, LLC SWN Production Company, LLC.	12.50%	33/110 961/189
	Margery Jeanette Hale, a widow	Chesapeake Appalachia, L.L.C.	12.50%	687/104
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	12.50%	33/110
	Kathy Watkins Hoopes, a/k/a Kathy J. Watkins, a/k/a Kathy Hoopes, a married woman dealing in her sole and separate property	Cnesapeake Appalachia, L.L.C.	12.50%	685/369
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110
	Marguerite Kaczorowski, a/k/a Marguerite Jean Kaczorowski, a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	12.50%	687/112
	Chesapeake Appalachia, L.L.C.	SWN Production Campany, LLC		33/110
	Dorothy Maxine Katameyer and Paul Richard	Chesapeake Appalachia, L.L.C.	12.50%	687/126
		CALINE Description Consumer Vision		
	Katzmeyer, her husband Chesapeake Appalachia, L.L.C.			33/110
	Katzmeyer, her husband Chesapeake Appalachia, L.L.C. Darrel Kerns, a/k/a Darrel Wayne Kerns, a married man dealing in his sole and separate property	SWN Production Company, LLC Chesapeake Appalachia, L.L.C.	12.50%	33/110 695/507
	Chesapeake Appalachia, L.L.C. Darrel Kerns, a /k/a Darrel Wayne Kerns, a married man dealing in his sole and separate property	Снезарваке Арраізскію, С.І.,С.	12.50%	695/507
	Chesapeake Appalachia, L.L.C. Darrel Kens, ai/ka Darrel Wayne Kens, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Susan Smurthwaite, a married woman dealing in		12.50%	
	Chesapeake Appalachia, L.L.C. Darrel Kens, a/Ka Darrel Wayne Kens, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Susan Smurthwaite, a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC  Chesapeake Appalachia, L.L.C.		695/507 33/110 688/172
	Chesapeake Appalachia, L.L.C. Darrel Kens, ai/Ka Darrel Wayne Kens, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Susan Smurthwaite, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Annette Alcine Lloyd, ai/Ka Annette A. Lloyd, a	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC		695/507
	Chesapeake Appalatchia, L.L.C. Darrel Kens, a/k/a Darrel Wayne Kens, a married man dealing in his sole and separate property Chesapeake Appalatchia, L.L.C. Susan Smurthwalke, a married woman dealing in her sole and separate property Chesapeake Appalatchia, L.L.C. Annette Alcine Lloyd, a/k/a Annette A, Lloyd, a widow Chesapeake Appalatchia, L.L.C	Chesspeake Appalachia, L.L.C.  SWN Production Company, LLC Chesspeake Appalachia, L.L.C.  SWN Production Company, LLC Chesspeake Appalachia, L.L.C.  SWN Production Company, LLC SWN Production Company, LLC	12.50%	695/507 33/110 688/172 33/110 693/589 33/110
	Chesapeake Appalatcha, L.L.C. Darrel Kerns, a/k/a Darrel Wayne Kerns, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Susan Smurthwaite, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Annette Aldine Lloyd, a/k/a Annette A. Lloyd, a widdow	Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC  Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC  Chesapeake Appalachia, L.L.C.	12.50%	33/110 688/172 33/110 693/589
	Chesapeake Appalachia, L.L.C. Darret Kerns, a/k/a Darret Wayne Kerns, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Susan Smurthwalke, a married woman dealing in her sole ane separate property Chesapeake Appalachia, L.L.C. Annette Alcine Lloyd, a/k/a Annette A. Lloyd, a whichey Chesapeake Appalachia, L.L.C. Patricia Loy, a/k/a Eike Patricia Loy, a married	Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC  Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC  Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC  Chesapeake Appalachia, L.L.C.	12.50%	695/507 33/110 688/172 33/110 693/589 33/110 686/229
	Chesapeake Appalachia, L.L.C. Darrel Kerns, a/k/a Darrel Wayne Kerns, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Susan Smurthwaite, a married woman dealing in her sole and separate property Chesapeake Appaleaki, L.L.C. Annerte Aldine Lloyd, a/k/a Anneste A. Lloyd, a widow Chesapeake Appalachia, L.L.C. Patricla Loy, a/k/a Ekin Patricla Loy, a married woman dealing in her sole and aepurate property Chesapeake Appalachia, L.L.C. Baulis Kathileen MacRey, a widow	Chesspeake Appalachia, L.L.C.  SWN Production Company, LLC Chesspeake Appalachia, L.L.C.  SWN Production Company, LLC Chesspeake Appalachia, L.L.C.  SWN Production Company, LLC Chesspeake Appalachia, L.L.C.  SWN Production Company, LLC Chesspeake Appalachia, L.L.C.  SWN Production Company, LLC Chesspeake Appalachia, L.L.C.	12.50%	695/507 33/110 688/172 33/110 693/589 33/110 686/229 33/110 685/231
	Chesapeake Appalachia, L.L.C. Darret Kerns, a/k/a Darret Wayne Kerns, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Susan Smurthwalke, a married woman dealing in her sole ane separate property Chesapeake Appalachia, L.L.C. Annette Akline Llavy, a/k/a Annette A, kloyd, a widdow Chesapeake Appalachia, L.L.C Patricka Lory, a/k/a Kilo Patricka Lory, a married woman dealing in her sole and aeparate property Chesapeake Appalachia, L.L.C. Baula Kathileen Mackley, a widow Chesapeake Appalachia, L.L.C.	Chesspeake Appalachia, L.L.C.  SWN Production Company, LLC Chesspeake Appalachia, L.L.C.  SWN Production Company, LLC Chesspeake Appalachia, L.L.C.  SWN Production Company, LLC Chesspeake Appalachia, L.L.C.  SWN Production Company, LLC Chesspeake Appalachia, L.L.C.  SWN Production Company, LLC Chesspeake Appalachia, L.L.C.	12.50% 12.50% 12.50%	695/507 33/110 688/172 33/110 693/589 33/110 686/229 33/110 685/231 33/110
	Chesapeake Appalachia, L.L.C. Darret Kerns, a/k/a Darret Wayne Kerns, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Susan Smurthwalke, a married woman dealing in her sole ane separate property Chesapeake Appalachia, L.L.C. Annette Alcine Llavy, a/k/a Annette A, Lloyd, a wildow Chesapeake Appalachia, L.L.C. Patricka Levy, a/k/a Eike Patricia Loy, a married woman dealing in her sole and aeparate property Chesapeake Appalachia, L.L.C. Beulu Kathieen Mackey, a widow Chesapeake Appalachia, L.L.C. Rickard J. McHenry, Sr., a married man dealing in his sole and separate property.	Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC SWN Production Company, LLC.  SWN Production Company, LLC.  SWN Production Company, LLC.	12.50% 12.50% 12.50% 12.50%	695/507 33/11D 688/172 33/110 693/589 33/110 686/229 33/110 685/231 33/110 976/79
	Chesipeake Appalachia, L.L.C. Darrel Kerns, a/k/a Darrel Wayne Kerns, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Susan Smurthwake, a married women dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Annette Aldine Lloyd, a/k/a Annette A, Lloyd, a wildow Chesapeake Appalachia, L.L.C. Patricia Loy, a/k/a Ekise Patricia Loy, a married woman dealing in her sole and aeparate property Chesapeake Appalachia, L.L.C. Baula Kathileen Mackey, a wildow Chesapeake Appalachia, L.L.C. Richard J. Micherny, Sr., a married man dealing in	Chesspeake Appalachia, L.L.C.  SWN Production Company, LLC Chesspeake Appalachia, L.L.C.  SWN Production Company, LLC Chesspeake Appalachia, L.L.C.  SWN Production Company, LLC Chesspeake Appalachia, L.L.C.  SWN Production Company, LLC Chesspeake Appalachia, L.L.C.  SWN Production Company, LLC Chesspeake Appalachia, L.L.C.	12.50% 12.50% 12.50%	695/507 33/110 688/172 33/110 693/589 33/110 686/229 33/110 685/231 33/110
	Chesapeake Appalachia, L.L.C. Darrel Kerns, a/k/a Darrel Wayne Kerns, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Susan Smurthwaite, a married women dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Annette Akline Lloye, a/k/a Annette A, kloyd, a widdow Chesapeake Appalachia, L.L.C. Patricia Loy, a/k/a Ekide Patricia Loy, a married woman dealing in her sole and aeparate property Chesapeake Appalachia, L.L.C. Beula Kathicen Mackley, a widdow Chesapeake Appalachia, L.L.C. Bichard J. McHerny, Sr., a married man dealing in his sole and separate property. Beth Ann Mysjawiez-Andioger, a married woman	Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC SWN Production Company, LLC.  SWN Production Company, LLC.  SWN Production Company, LLC.	12.50% 12.50% 12.50% 12.50%	695/507 33/11D 688/172 33/110 693/589 33/110 686/229 33/110 685/231 33/110 976/79
	Chesapeake Appalachia, L.L.C. Darret Kerns, a/k/a Darret Wayne Kerns, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Susan Smurthwalke, a married woman dealing in her sole ano separate property Chesapeake Appalachia, L.L.C. Annerte Aktine Lloyd, a/k/a Anneste A. Lloyd, a wistow Chesapeake Appalachia, L.L.C. Patricia Loy, a/k/a Eleke Patricia Loy, a married woman dealing in her sole and aeparate property Chesapeake Appalachia, L.L.C. Beulik Kathleen Mackey, a widow Chesapeake Appalachia, L.L.C. Bichard J. Micherry, Sr. a married man dealing in his sole and separate property Beth Ann Mysliwise-Andlinger, a marriec woman dealing in her sole and separate property Jana Lynn Robbirs, a married woman dealing in her	Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC SWN Production Company, LLC.  SWN Production Company, LLC.  SWN Production Company, LLC.	12.50% 12.50% 12.50% 12.50% 12.50%	695/507 33/110 688/172 33/110 693/589 33/110 685/229 33/110 98/73 957/555
	Chesapeake Appalachia, L.L.C. Darret Kerns, a/k/a Darret Wayne Kerns, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Susan Smurthwalke, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Annette Alcine Lloys, a/k/a Annette A. Lloyd, a widow Chesapeake Appalachia, L.L.C. Patricia Loy, a/k/a Eithe Patricia Loy, a married woman dealing in her sole and aeparate property Chesapeake Appalachia, L.L.C. Beula Kathieen Mackey, a widow Chesapeake Appalachia, L.L.C. Richard J. McHenry, Sr., a married man dealing in his sole and separate property Beth Ann Mysliwiec-Andlinger, a marriec woman dealing in her sole and separate property Jana Lynn Robbirds, a marred woman dealing in her sole and separate property Mary Lou Rubbirds, a marred woman dealing in her sole and separate property Mary Lou Rubbirds, a marred woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C.	Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC 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.  SWN Production Company, LLC.	12.50% 12.50% 12.50% 12.50% 12.50% 12.50% 12.50%	695/507 33/110 688/172 33/110 633/528 33/110 686/229 33/110 956/73 957/555 957/561 637/130
	Chesapeake Appalachia, L.L.C. Darrel Kerns, a/k/a Darrel Wayne Kerns, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Susan Smurthwaite, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Annerte Alciine Lloyd, a/k/a Annette A. Lloyd, a widdow Chesapeake Appalachia, L.L.C. Patricla Lary, a/k/a Eike Patricia Loy, a married woman dealing in her sole and aepairate property Chesapeake Appalachia, L.L.C. Baula Kathileen Mackley, a widdow Chesapeake Appalachia, L.L.C. Richard J. McHenry, Sr., a married man dealing in his sole and separate property Isana Lynn Robbirs, a married woman dealing in her sole and separate property Jana Lynn Robbirs, a married woman clealing in her sole and separate property Mary Lou Ruibet, f/k/a Mary Lou Belim, a marries woman dealing in her sole and separate property Mary Lou Ruibet, f/k/a Mary Lou Belim, a marries woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Betty I. Burley, a widow	Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC 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.  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.  Chesapeake Appalachia, L.L.C.	12.50% 12.50% 12.50% 12.50% 12.50% 12.50%	695/507 33/110 688/172 33/110 693/588 33/110 695/29 33/110 976/73 957/561 687/130 33/110 693/585
	Chesapeake Appalachia, L.L.C. Darret Kerns, a/k/a Darret Wayne Kerns, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Susan Smurthwalke, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Annette Aldine Llavy, a/k/a Annette A, Lloyd, a widdow Chesapeake Appalachia, L.L.C. Patricka Lory, a/k/a Eike Patricia Loy, a married woman dealing in her sole and aepairate property Chesapeake Appalachia, L.L.C. Baula Kathileen Mackley, a widdow Chesapeake Appalachia, L.L.C. Richard J. McHenry, Sr., a married man dealing in his sole and separate property Beth Ann Mysliwiec-Andlunger, a marriec woman dealing in her sole and separate property Jana Lynn Riobbirs, a married woman dealing in her sole and separate property Mary Lou Ruibst, I/k/a Mary Lou Bleim, a marriec woman dealing in her sole and separate property Mary Lou Ruibst, I/k/a Mary Lou Bleim, a marriec woman dealing in her sole and separate property Mary Lou Ruibst, I/k/a Mary Lou Bleim, a marriec woman dealing in her sole and separate property Mary Lou Ruibst, I/k/a Mary Lou Bleim, a marriec woman dealing in her sole and separate property Mary Lou Ruibst, I/k/a Mary Lou Bleim, a marriec woman dealing in her sole and separate property Mary Lou Ruibst, I/k/a Mary Lou Bleim, a marriec woman dealing in her sole and separate property Mary Lou Ruibst, I/k/a Mary Lou Bleim, a marriec woman dealing in her sole and separate property Mary Lou Ruibst, I/k/a Mary Lou Bleim, a marriec woman dealing in her sole and separate property Mary Lou Ruibst, I/k/a Mary Lou Bleim, a marriec woman dealing in her sole and separate property Mary Lou Ruibst, I/k/a Mary Lou Bleim, a marriec woman dealing in her sole and separate property Mary Lou Ruibst, I/k/a Mary Lou Bleim, a marriec woman dealing in her sole and separate property Mary Lou Ruibst, I/k/a Mary Lou Bleim, a marriec woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC 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.  SWN Production Company, LLC.  SWN Production Company, LLC.  SWN Production Company, LLC.  SWN Production Company, LLC.  SWN Production Company, LLC.  SWN Production Company, LLC.  SWN Production Company, LLC.  SWN Production Company, LLC.  SWN Production Company, LLC.  SWN Production Company, LLC.  The sapeake Appalachia, L.L.C.  SWN Production Company, LLC.  The Spolariton, LLC.	12.50% 12.50% 12.50% 12.50% 12.50% 12.50% 12.50%	695/507 33/110 688/172 33/110 693/588 33/110 693/588 33/110 685/229 33/110 976/75 957/561 687/130 33/110 693/21 33/110 693/21 33/110 693/21
	Chesapeake Appalachia, L.L.C. Darret Kerns, a/k/a Darret Wayne Kerns, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Susan Smurthwalke, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Annette Alcine Lloya, a/k/a Annette A. Lloyd, a widdow Chesapeake Appalachia, L.L.C. Patricia Loy, a/k/a Eithe Patricia Loy, a married woman dealing in her sole and aeparate property Chesapeake Appalachia, L.L.C. Beula Kathien Mackey, a widdow Chesapeake Appalachia, L.L.C. Richard J. McHenry, Sr., a married man dealing in his sole and separate property Beth Ann Mysliwise-Andlinger, a marriec woman dealing in her sole and separate property Bara Lyunn Robbirs, a marred woman dealing in her sole and separate property Mary Lou Rubter, If/Kir Mary Lou Bleim, a marriec woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Betty I. Burley, a widow Chesapeake Appalachia, L.L.C. Stone Hill Minerals Holdings, LLC The Exploration, LLC	Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC SWN Production Company, LLC.  SWN Production Company, LLC.	12.50% 12.50% 12.50% 12.50% 12.50% 12.50% 12.50% 12.50%	695/507 33/110 688/172 33/110 693/588 33/110 685/229 33/110 96/79 957/561 687/130 681/21 33/410 681/21 34/40 884/40 884/40 841/29
	Chesapeake Appalachia, L.L.C. Darret Kerns, a/k/a Darret Wayne Kerns, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Susan Smurthwalke, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Annette Alcine Lloys, a/k/a Annette A. Lloyd, a widow Chesapeake Appalachia, L.L.C. Patricia Loy, a/k/a Eithe Patricia Loy, a married woman dealing in her sole and aeparate property Chesapeake Appalachia, L.L.C. Beula Kathleen Mackey, a widow Chesapeake Appalachia, L.L.C. Richard J. McHenry, Sr., a married man dealing in his sole and separate property Beth Ann Mysliwise-Andlinger, a marriec woman dealing in her sole and separate property Mary Lou Rubet, If Vizir Mary Lou Bleim, a marriec woman dealing in her sole and separate property Mary Lou Rubet, If Vizir Mary Lou Bleim, a marriec woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Betty I. Burley, a widow Chesapeake Appalachia, L.L.C. Stone Hill Minerals Holdings, LL.C. Stone Hill Minerals Holdings, LL.C. Carolyn Stowe, a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC 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  SWN Production Company, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC 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 SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	12.50% 12.50% 12.50% 12.50% 12.50% 12.50% 12.50% 12.50%	695/507 33/110 688/172 33/110 683/588 33/110 686/229 33/110 976/73 957/555 957/561 687/130 894/489 41/299
	Chesapeake Appalachia, L.L.C. Darret Kerns, a/k/a Darret Wayne Kerns, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Susan Smurthwaite, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Annette Aldine Lloya, a/k/a Annette A. Lloyd, a widdow Chesapeake Appalachia, L.L.C. Patricka Loya, a/k/a Keb Patricka Loya, a married woman dealing in her sole and aepairate property Chesapeake Appalachia, L.L.C. Beula Kathileen Mackley, a widdow Chesapeake Appalachia, L.L.C. Richard J. McHerny, Sr., a married man dealing in his sole and separate property Beth Ann Mysikwiec-Andlunger, a marriec woman dealing in her sole and separate property Jana Llynn Robbirs, a married woman clealing in her sole and separate property Mary Lou Ruibet, Ifk/ar Mary Lou Bleim, a marriec woman dealing in her sole and separate property Mary Lou Ruibet, Ifk/ar Mary Lou Bleim, a marriec woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Stone Hill Minerals klodings, LL.C. Stone Hill Minerals klodings, LL.C. TH Exploration, LLC. Carolyn Stowe, a married woman dealing in her sole and separate property John Wandhick, a married man cealing in her sole and separate property John Wandhick, a married man cealing in her sole and separate property John Wandhick, a married man cealing in her sole and separate property John Wandhick, a married man cealing in her sole and separate property John Wandhick, a married man cealing in her sole and separate property John Wandhick, a married man cealing in her sole and separate property John Wandhick, a married man cealing in her sole and separate property John Wandhick, a married man cealing in her sole and separate property John Wandhick, a married man cealing in her sole and separate property John Wandhick, a married man cealing in her sole and separate property	Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC SWN Production Company, LLC.  SWN Production Company, LLC.	12.50% 12.50% 12.50% 12.50% 12.50% 12.50% 12.50% 12.50%	695/507 33/110 688/172 33/110 693/588 33/110 685/229 33/110 96/79 957/561 687/130 681/21 33/410 681/21 34/40 884/40 884/40 841/29
	Chesapeake Appalachia, L.L.C. Darret Kerns, a/k/a Darret Wayne Kerns, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Susan Smurthwalke, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Annette Aldine Llavy, a/k/a Annette A, Lloyd, a widdow Chesapeake Appalachia, L.L.C. Patricka Lory, a/k/a Eike Patricia Loy, a married woman dealing in her sole and aepairate property Chesapeake Appalachia, L.L.C. Busuk Kathileen Mackley, a widdow Chesapeake Appalachia, L.L.C. Richard J. McHenry, Sr., a married man dealing in his sole and separate property Beth Ann Mysliwiec-Andlunger, a marriec woman dealing in her sole and separate property Jana Lynn Riobbirs, a married woman clealing in her sole and separate property Mary Lou Ruibst, I/k/a Mary Lou Bleim, a marriec woman dealing in her sole and separate property Mary Lou Ruibst, I/k/a Mary Lou Bleim, a marriec woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Bettyl. Burley, a widow Chesapeake Appalachia, L.L.C. Stoote Hill Minerals Holdings. LLC TH Exploration, LLC Carolyn Stowe, a married woman dealing in her sole and separate property John Warnchick, a married man dealing in her sole and separate property Michael Warchick, a married man dealing in his sole and separate property Michael Warchick, a married man dealing in his sole and separate property Michael Warchick, a married man dealing in his sole and separate property Michael Warchick, a married man dealing in his sole and separate property Michael Warchick, a married man dealing in his sole and separate property	Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC 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	12.50% 12.50% 12.50% 12.50% 12.50% 12.50% 12.50% 12.50%	695/507 33/110 688/172 33/110 683/588 33/110 686/229 33/110 976/73 957/555 957/561 687/130 894/489 41/299
	Chesapeake Appalachia, L.L.C. Darret Kerns, a/k/a Darret Wayne Kerns, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Susan Smurthwalke, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Annette Aleine Llays, a/k/a Annette A, Lloyd, a widow Chesapeake Appalachia, L.L.C. Patricka Leva, a/k/a Elise Patricka Loy, a married woman dealing in her sole and aeparate property Chesapeake Appalachia, L.L.C. Beula Kathilean Mackey, a widow Chesapeake Appalachia, L.L.C. Beula Kathilean Mackey, a widow Chesapeake Appalachia, L.L.C. Richard J. McHenry, Sr., a married man dealing in his sole and separate property Beth Ann Mysliwiec-Andlinger, a marriec woman dealing in her sole and separate property Mary Lou Rubber, If/K/a Mary Lou Bleim, a marriec woman dealing in her sole and separate property Mary Lou Rubber, If/K/a Mary Lou Bleim, a marriec woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Betty I, Burley, a widow Chesapeake Appalachia, L.L.C. Stone Hill Minerals Holdings, LLC. TH Exploration, LLC Carolyn Stowe, a married woman dealing in her sole and separate property John Warnthick, a married man dealing in his sole and separate property Densalx Mariem Watkins, a/k/a Mariliu Watkins, a	Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC 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	12.50% 12.50% 12.50% 12.50% 12.50% 12.50% 12.50% 12.50% 12.50% 12.50% 12.50% 12.50%	695/507  33/110 688/172 33/110 683/589 33/110 686/229 33/110 685/211 33/110 96/79 957/555 957/561 637/130 33/110 894/459 41/299 1038/401
	Chesapeake Appalachia, L.L.C. Darret Kerns, a/k/a Darret Wayne Kerns, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Susan Smurthwalke, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Annette Alcine Lloyd, a/k/a Annette A. Lloyd, a widow Chesapeake Appalachia, L.L.C. Patricia Loy, a/k/a Eithe Patricia Loy, a married woman dealing in her sole and aeparate property Chesapeake Appalachia, L.L.C. Bruis Kathieen Mackey, a widow Chesapeake Appalachia, L.L.C. Richard J. McTierry, Sr., a married man dealing in his sole and separate property Beth Ann Mysliwise-Anditoger, a marriex woman dealing in her sole and separate property Jana Lynn Robbirds, a married woman dealing in her sole and separate property Mary Lou Rubint, If/Ar Mary Lou Bielm, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Betty J. Burley, a widow Chesapeake Appalachia, L.L.C. Store Hill Milnerals Holdings, LL.C. Store Hill Milnerals Holdings, LL.C. Carolyn Stowe, a married woman dealing in her sole and separate property John Warnbrick, a married man dealing in his sole and separate property Mikhael Warnbrick, a married man dealing in his sole and separate property Donald Marim Watkins, a/k/a Marilia Watkins, a married man dealing in his sole and separate property Donald Marim Watkins, a/k/a Marilia Watkins, a married man dealing in his sole and separate property Donald Marim Watkins, a/k/a Marilia Watkins, a married man dealing in his sole and separate property	Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC 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.  SWN Production Company, LLC.  SWN Production Company, LLC.  SWN Production Company, LLC.  SWN Production Company, LLC.  SWN Production Company, LLC.  SWN Production Company, LLC.  SWN Production Company, LLC.  SWN Production Company, LLC.  SWN Production Company, LLC.  SWN Production Company, LLC.  SWN Production Company, LLC.  SWN Production Company, LLC.  SWN Production Company, LLC.  SWN Production Company, LLC.	12.50% 12.50% 12.50% 12.50% 12.50% 12.50% 12.50% 12.50% 12.50% 12.50% 12.50% 12.50% 12.50% 12.50% 12.50%	695/507  33/110 688/172 33/110 693/589 33/110 686/229 33/110 685/231 33/110 695/239 957/555 957/561 687/130 33/110 894/489 41/299 1038/401 932/644
	Chesapeake Appalachia, L.L.C. Darrel Kerns, a/k/a Darrel Wayne Kerns, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. Susan Smurthwalke, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Annerte Aktine Lloyd, a/k/a Anneste A. Lloyd, a wistow Chesapeake Appalachia, L.L.C. Patricia Loy, a/k/a Felis Patricia Loy, a married woman dealing in her sole and aeparate property Chesapeake Appalachia, L.L.C. Beulu Kathieen Mackey, a widow Chesapeake Appalachia, L.L.C. Blichard J. Michery, 5r. s. married man dealing in his sole and separate property Berth Ann Mysliwise-Andianger, a marriec woman dealing in her sole and separate property Jana Lynn Robbirs, a married woman clealing in her sole and separate property Mary Lou Rubbirs, 1/k/a Mary Lou Bleim, a marriec woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Betty J. Burley, a widow Chesapeake Appalachia, L.L.C. Stone Hill Minerake Roldings. LLC THE Exploration. LLC Carolyn Stowe, a married woman dealing in her sole and separate property John Warnothick, a married man dealing in her sole and separate property John Warnothick, a married man dealing in his sole and separate property Donake Marine Wattens, a/k/a Marilic Wattens, a married man dealing in his sole and separate property Donake Marine Wattens, a/k/a Marilic Wattens, a married man dealing in his sole and separate property	Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC 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.  SWN Production Company, LLC.  SWN Production Company, LLC.  SWN Production Company, LLC.  SWN Production Company, LLC.  SWN Production Company, LLC.  SWN Production Company, LLC.  SWN Production Company, LLC.  SWN Production Company, LLC.  SWN Production Company, LLC.  SWN Production Company, LLC.  SWN Production Company, LLC.  SWN Production Company, LLC.  SWN Production Company, LLC.  SWN Production Company, LLC.	12.50% 12.50% 12.50% 12.50% 12.50% 12.50% 12.50% 12.50% 12.50% 12.50% 12.50% 12.50% 12.50% 12.50% 12.50%	695/507  33/110 688/172 33/110 693/589 33/110 686/229 33/110 685/231 33/110 695/239 957/555 957/561 687/130 33/110 894/489 41/299 1038/401 932/644

Office of the sed Gas

JUL 1 4 2022

MV Department of Environmental Protection Wetzel County, West Virginia

4710303519

I		Karen J. Jones, a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	12.50%	688/176	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	12.50%	33/110 1040/242	
		and separate property	SWN Production Company, L.L.C.			
		John F. Yeager and Gertrud Yeager, his wife	Chesapeake Appalachia, L.L.C.	12.50%	693/566	
		Chesapeake Appalachia, L.L.C. John Yeager and Linda S. Yeager, his wife	SWN Production Company, LLC Chesapeake Appalachia, L.L.C.	12.50%	39/110 692/222	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	12.50%	33/110 689/188	
		Sharon Neala Barrett Zeppernick, a/k/a Sharon N. Zeppernick, a/k/a Sharon Neala Zeppernick, a married woman dealing in her sope and separate	Chesapeake Appalachta, L.L.C.	16-50%	1947/ ADD	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	(g again)
	7-24-1 pt. 11	Royalty Owners Franklin Thomas Barrett, a married man dealing in	SWN Production Company, LLC	N/A 18.00%	1010/272	16.4683%
		his sole and separate property	SWN Production Company, L.L.C.	15,00%	919/345	
		wife		18.00%	974/325	
- 1		Timothy N. Burley and Connie Burley, husband and wife	SWN Production Company, LLC		100	
ı		Krystal K. Camp and Tom Camp, wife and husband	SWN Production Company, LLC	18.00%	967/117	
- 1		Donald Scott Conaway, a single man Robert W Conaway, Jr., a single man	SWN Production Company, L.L.C. SWN Production Company, L.L.C.	16.00%	932/629 932/636	
		Ronald W. Conaway, a/k/a Ronald Wayne Conaway,	SWN Production Company, LLC	17.00%	1046/269	
		a married man dealing in his sole and separate property				
		David S. Dever, a married man dealing in his sole and separate property	SWN Production Company, LLC	17.00%	1052/444	
		Gregory T. Dever, a married man dealing in his sole and separate property	SWN Production Company, LLC	16 00%	1010/621	
		John A. Dever, a widower	SWN Production Company, LLC	17.00%	1052/439	
		Annette Mary Dever, Trustee of the Annette and Larry Dever Revocable Trust, dated April 22, 2016	SWN Production Company, LLC	17.00%	1052/81	
		Jeffrey L. Fish, a married man dealing in his sole and	SWN Production Company, LLC	18.00%	976/113	
		separate property Michael A. Fish and Debra L. Fish, husband and wife	SWN Production Company, LLC	18.00%	967/125	
		Charles Wayne Geho, a married man dealing in his	SWN Production Company, LLC	16,00%	966/408	
		sole and separate property  Vanita and Cordova Holding Company, LLC, William	SWN Production Company, LLC.	17.00%	1097/361	
		H. Gaston, Managing Member Kathy Watkins Hoopes, a/k/a Kathy Jo Watkins and	SWN Production Company, L.L.C.	15.00%	925/539	
		David E. Hoopes, wife and husband	Commence and the Asset of	23.5000	220/000	
		Bernadette F. Livingston, Trustee of the Margaret J. Kaczorowski Revocable Trust Agreement, dated the 21st day of November, 2006	SWIN Production Company, LLC	16.00%	966/421	
		Andrea M. Davis, Agent and Attorney in Fact for Deborah K. Kincaid, a single woman	SWN Production Company, LLC	17,00%	1052/76	
- 1		Annette Aldine Lloyd, a widow	SWN Production Company, LLC	18.00%	969/288	
		Beulah Kathleen Mackey, a widow  Donald Marlin Watkins, a/k/a Marlin Watkins and  Myra L. Watkins, husband and wife	SWN Production Company, LLC SWN Production Company, L.L.C.	17.00% 15.00%	965/31	
		Sharon Neala Zeppernick, a/k/a Sharon Neala Barrett Zeppernick, a married woman cealing in her sole and separate property	SWN Production Company	13,00%	1010/268	
		Robert L. Burley, a married man dealing in his sole	SWN Production Company, LLC	15,00%	1135/347	
		and separate property  Wayne E. Burley, a single man	SWN Production Company, LLC	15,00%	1135/330	
		Elizabeth Ann Cain, a widow First Assembly of God Church	SWN Production Company, LLC SWN Production Company, LLC	18,00%	1135/319	
		George L. Hale, Jr., a married man dealing in his sole and separate property	SWN Production Company, LLC	18,00%	966/438	
		Barbara J. Burley, a single woman	SWN Production Company, LLC	15.00%	1136/49	
		Roger Lee Cain Robert Carkon Cain	SWN Production Company, LLC SWN Production Company, LLC	18.00% 18.00%	1135/341 1135/335	
	7-24-1 pt. 08	Edward C. Walker, wildower, Richard E. Walker and Roberta Walker, his wife, Edna Whitiatch and J. B. Whitiatch, her husband; and Security Trust Company, a corporation, for and on behalf and as Attorney in Eact for those helis at law of Isaac Hogo, herinafter named, under the signature of saic Attorney in Fact.	The Manufacturers light and Heat Company	12.50%	326/505	0.00004
		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, L.L.C.		662/322	
	2.1	Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC SWN Production Company, LLC		33/110 36/422	
		Edna Whidatch and J. B. Whielatch, her husband	The Manufacturers Light and Heat Company	12.50%	375/223	
		The Manufacturers Light and Heat Company	Columbia Gas Transmission Corporation		422/204	
		Columbia Gas Transmission Corporation	Columbia Natural Resources, LLC		642/281	
				1	662/322	
		Columbia Gas Transmission Corporation	Chesapeake Appalachia, L.L.C.		23/110	
			Chesapeake Appalachia, L.L.C. SWN Production Company, LLC SWN Production Company, LLC		33/110 36/422	
	7-24-1 pt. 09	Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Alfonso Autrey Camino, a married man dealing in	SWN Production Company, LLC	18.00%		0.0000%
	7-24-1 pt. 09	Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. Alfonso Autrey Camino, a married man dealing in his sole and separate property Amanda M. Linsey a/h/a Amanda Marie Lindsey, a married woman dealing in her sole and separate	SWN Production Company, LLC SWN Production Company, LLC	18.00%	36/422	0.0000%
	7-24-1 pt. 09	Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. Asionso Autrey Camino, a married man dealing in his sole and separate property Amanda M. Linkey afrila Amanda Marie Lindsey, a married woman dealing in her sole and separate property Ana I, Camino, a singe woman.	SWM Production Company, LLC SWM Production Company, LLC SWM Production Company, LLC SWM Production Company, LLC SWM Production Company, LLC	18.00%	36/422 1046/345 1031/510	0.0000.0
	7-24-1 pt. 09	Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. Alfonso Autrey Camino, a married man dealing in his sole and separate property Amanda M. Linsey alfula Amanda Marie Lindsey, a married woman dealing in her sole and separate property Ana I. Camino, a single woman Andrew D. McCurdy Alfula Andrew David McCurcy, a married man dealing in his sole and separate	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	18.00%	36/422 1046/345 1031/510	0.0000%
	7-24-1 pt 09	Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Alfonso Autrey Camino, a married man dealing in his sole and separate property Amanda M. Linsey a/IJA Amanda Mane Lindsey, a married woman dealing in her sole and separate property Ana L.Camino, a single woman. Andrew D. McCurdy a/IJ/a Andrew David McCurcy, Andrew D. McCurdy a/IJ/a Andrew David McCurcy,	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	18.00%	36/422 1046/345 1031/510	0.000%
	7-24-1 pt. 09	Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. Alfonso Autrey Camino, a married man dealing in his sole and separate property Amanda M. Linsey a/JA Amanda Marie Linsey, a married woman dealing in her sole and separate property Ana I. Camino, a single woman. Andrew D. McCurdy a/J/a Ancrew David McCurcy, a married man dealing in his sole and separate property Mike A. Fallova and Margaret from Fallova, husband and wife Chesapeako Appalachia, L.L.C.	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	18.00% 18.00% 18.00%	36/422 1046/345 1031/510 1052/471 1029/634	0.0000%

RECEIVED
Office of Oil and Gaz

JUL 1 4 2022

MV Department of Environmental Protection

Arthur A. Anderson, a widower Barbara L. Haring, a married woman dealing in her	SWN Production Company, LLC SWN Production Company, LLC	18.00% 20.00%	1054/397 1074/550
sole and separate property	SWN Production Company, LLC	18.00%	1054/12
Blaine A. Bontempo and Elaine J. Bontempo, husband and wife			
Bonnie Sue Smith, a single woman Boy Scouts Of America, Quivera Council	SWN Production Company, LLC SWN Production Company, LLC	18.00% 18.00%	1038/443
Brenda D. Carlson a/k/a Brenda Darlene Carlson, a	SWN Production Company, LLC	18.00%	1046/340
married woman dealing in her sole and separate property			
Brian E. Woods and Mary Susan Woods, husband	SWN Production Company, LLC	18.00%	1041/570
and wife Carla Schwing St. Myers, a single woman	Chesapeake Appalachia, LLC	17.00%	740/1
Chesapeake Appalachia, LLC Carol J. Daniels, a widow	SWN Production Company, LLC SWN Production Company, LLC	18.00%	33/110 1056/494
Vivian L. Mason a/k/a Vivian Lee Mason, a widow	Chesapeake Appalachia, LLC	17.00%	763/312
Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110
Charlene M. Behanna, a married woman dealing in her sole and separate property	SWN Production Company, LLC	18.00%	1059/549
Charles Edwin Blue, IV	SWN Production Company, LLC	18.00%	1049/555
Cheryle Sue Randalson, a/k/a Cheryle Sue Baldauf and Jacob Randalson, her husband	Chesapeake Appalachia, LLC	17.00%	769/118
	SWN Production Company, LLC		33/110
Chesapeake Appalachia, LLC Chestnut Holdings, Inc.	SWN Production Company, LLC	20.00%	1060/500
Christine T. Wilson Campbell, a/k/a Christine W. Campbell and Thomas L. Campbell, her husband	Chesapeake Appalachia, LLC	17.00%	768/174
]			
Chesapeake Appalachia, LLC Christy Schwing Yost, a married woman dealing in	SWN Production Company, LLC Chesapeake Appalachia, LLC	17.00%	33/110 739/633
her sole and separate property			22/110
Chesapeake Appalachia, LLC Christy Marie Beem, a single woman	SWN Production Company, LLC SWN Production Company, LLC	18.00%	33/110 1046/334
Cindy Suzanne Logan, a married woman dealing in her sole and separate property	SWN Production Company, LLC	18.00%	1047/251
Edward C. Walker a/k/a Edward Craig Walker a/k/a	SWN Production Company, LLC	18.00%	1031/520
Craig Walker, a married man dealing in his sole and separate property			L
Cynthia D. Murray and Kent E. Murray, wife and	SWN Production Company, LLC	18.00%	1054/402
husband Damon A. Emde and Heidi K. Emde, husband and	SWN Production Company, LLC	18.00%	1061/106
wife Darlene S. Tydeman and David R. Tydeman, wife	SWN Production Company, LLC	18.00%	1041/535
and husband			
David A. Armstrong, a married man dealing in his sole and separate property	SWN Production Company, LLC	18.00%	1037/215
David Ellet Schwing, a married man dealing in his	Chesapeake Appalachia, LLC	17.00%	740/532
sole and separate property Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110
David Scott Woods, a widower David W. Jones and Rhonda Lynn Jones, husband	SWN Production Company, LLC SWN Production Company, LLC	18.00% 18.00%	1041/530 1041/555
and wife	SWN Production Company, ECC		
Dawn Ann Byrum, a/k/a Dawn Ann Byram, a married woman dealing in her sole and separate	Chesapeake Appalachia, LLC	17.00%	740/80
property			
Chesapeake Appalachia, LLC Debbie Jurek, a married woman dealing in her sole	SWN Production Company, LLC Chesapeake Appalachia, LLC	17.00%	33/110 777/449
and separate property Chesapeake Appalachia, LLC	SWN Production Company, LLC		
Denis Evick, a single woman	Chesapeake Appalachia, LLC	17.00%	33/110 739/522
Chesapeake Appalachia, LLC Diego A. Camino, a minor, by Janeen Hape, as	SWN Production Company, LLC SWN Production Company, LLC	18.00%	33/110 1068/461
limited guardian and conservator	,,,,,,	20,00,0	3004
Donald R. Gray and Erma L. Gray, his wife	Chesapeake Appalachia, LLC	17.00%	766/329
Chesapeake Appalachia, LLC	SWN Production Company, LLC SWN Production Company, LLC	18.00%	33/110
	SWM FIGURATION Company, LLC		1046/350
Donna Jean Tetz, a widow Elmer Edward Moliohan, Jr., a single man	SWN Production Company, LLC	18.00%	1065/115
Elmer Edward Mollohan, Jr., a single man Ernest Lee Campbell, a single man	SWN Production Company, LLC SWN Production Company, LLC	18.00% 18.00%	1047/246
Elmer Edward Mollohan, Jr., a single man Ernest Lee Campbell, a single man Eugenia Hofman Ball, a /k/a Eugenia H. Ball, a/k/a Eugenia Ball, a/k/a Genie Ball, a married woman	SWN Production Company, LLC	18.00%	
Elmer Edward Mołłohan, Jr., a single man Ernest Lee Campbell, a single man Eugenia Hofman Ball, a /k/a Eugenia H. Ball, a/k/a	SWN Production Company, LLC SWN Production Company, LLC	18.00% 18.00%	1047/246
Elmer Edward Moltohan, Jr., a single man Ernest Lee Campbell, a single man Eugenia Hofman Ball, a /k/a Eugenia H. Ball, a/k/a Eugenia Ball, a/k/a Genie Ball, a married woman dealing in her sole and separate property  Chesapeake Appalachia, LLC	SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC	18.00% 18.00% 17.00%	1047/246 755/359 33/110
Elmer Edward Mollohan, Jr., a single man Ernest Lee Campbell, a single man Eugenia Hofman Ball, a /k/a Eugenia H. Ball, a/k/a Eugenia Hofman Ball, a /k/a Eugenia H. Ball, a/k/a Eugenia Ball, a/k/a Genie Ball, a married woman dealing in her sole and separate property  Chesapeake Appalacha, LLC Eva Pauline Wagner a/k/a Pauline Miller Wagner, a widow	SWN Production Company, LLC Chesapeake Appalachia, LLC  SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	18.00% 18.00% 17.00%	1047/246 755/359 33/110 1050/413
Elmer Edward Mellohan, Jr., a single man Ernest Lee Campbell, a single man Eugenia Hofman Ball, a /k/a Eugenia H. Ball, a/k/a Eugenia Ball, a/k/a Genie Ball, a married woman dealing in her sole and separate property Chesapeake Appalachia, LLC Eva Pauline Wagner a/k/a Pauline Miller Wagner, a widow	SWN Production Company, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	18.00% 18.00% 17.00% 18.00%	33/110 1050/413 1073/204
Elmer Edward Melohan, Jr., a single man Ernest Lee Campbell, a single man Eugenia Hofman Ball, a /k/a Eugenia H. Ball, a/k/a Eugenia Ball, a/k/a Genie Ball, a married woman dealing in her sole and separate property Chesapeake Appalachla, LLC Eva Pauline Wagner a/k/a Pauline Miller Wagner, a widow First Christian Church Gall L. Whitlach, a widow	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	18.00% 18.00% 17.00% 18.00% 18.00%	33/110 1050/413 1073/204 740/592 33/110
Elmer Edward Mollohan, Jr., a single man Ernest Lee Campbell, a single man Eugenia Hofman Ball, a /k/a Eugenia H. Ball, a/k/a Eugenia Ball, a/k/a Genie Ball, a married woman dealing in her sole and separate property  Chesapeake Appalachia, LLC Eva Pauline Wagner a/k/a Pauline Miller Wagner, a widow First Christian Church Gall L. Whitsich, a widow	SWN Production Company, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC	18.00% 18.00% 17.00% 18.00%	33/110 1050/413 1073/204 740/592
Elmer Edward Mellohan, Jr., a single man Ernest Lee Campbell, a single man Eugenia Hofman Ball, a /k/a Eugenia H. Ball, a/k/a Eugenia Ball, a/k/a Genie Ball, a married woman dealing in her sole and separate property Chesapeake Appalachia, LLC Eva Pauline Wagner a/k/a Pauline Miller Wagner, a widow First Christian Church Gall L. Whitlach, a widow Chesapeake Appalachia, LLC Gary D. Nangle and Nancy G. Nangle, his wife Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC	SWN Production Company, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	18.00% 18.00% 17.00% 18.00% 18.00% 17.00%	33/110 1050/413 1073/204 740/592 33/110 771/335 33/110
Elmer Edward Melohan, Jr., a single man  Ernest Lee Campbell, a single man  Ernest Lee Campbell, a single man  Legenia Hofman Ball, a /k/a Eugenia H. Ball, a /k/a  Eugenia Ball, a /k/a Genie Ball, a married woman  dealing in her sole and separate property  Chesapeake Appalachia, LLC  Eva Pauline Wagner a/k/a Pauline Miller Wagner, a  widow  History Chesapeake Appalachia, LLC  Garly D. Nangle and Nancy G. Nangle, his wife  Chesapeake Appalachia, LLC  George E. Danlels, a single man  George M. Miller, a married man dealing in his sole  Goorge M. Miller, a married man dealing in his sole	SWN Production Company, LLC  Chesapeake Appalachia, LLC  SWN Production Company, LLC  SWN Production Company, LLC  SWN Production Company, LLC  SWN Production Company, LLC  Chesapeake Appalachia, LLC  Chesapeake Appalachia, LLC  Chesapeake Appalachia, LLC	18.00% 18.00% 17.00% 18.00% 18.00%	33/110 1050/413 1073/204 740/52 33/110 771/335
Elmer Edward Mellohan, Jr., a single man Ernest Lee Campbell, a single man Ernest Lee Campbell, a single man Eugenia Hofman Ball, a /k/a Eugenia H. Ball, a /k/a Eugenia Ball, a /k/a Enele Ball, a married woman dealing in her sole and separate property  Chesapeake Appalachia, LLC Eva Pauline Wagner a /k/a Pauline Miller Wagner, a widow Chesapeake Appalachia, LLC Gary D. Nangle and Wancy G. Nangle, his wife  Chesapeake Appalachia, LLC George E. Danlets, a single man George M. Miller, a married man dealing in his sole and separate property	SWN Production Company, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	18.00% 18.00% 17.00% 18.00% 18.00% 17.00% 18.00% 18.00%	33/110 1050/413 1073/204 740/592 33/110 771/335 33/110 1069/314 1052/466
Elmer Edward Melohan, Jr., a single man Ernest Lee Campbell, a single man Ernest Lee Campbell, a single man Eugenia Hofman Ball, a /k/a Eugenia H. Ball, a /k/a Eugenia Ball, a /k/a Genie Ball, a marided woman dealing in her sole and separate property  Chesapeake Appalachia, LLC Eva Pauline Wegner a /k/a Pauline Miller Wagner, a widow First Christian Church Gail L. Whitlach, a widow Chesapeake Appalachia, LLC Gary D. Nangle and Nancy G. Nangle, his wife Chesapeake Appalachia, LLC George E. Danlels, a single man George M. Miller, a married man dealing in his sole and separate property Geraldine L. Danlels, a widow, by her attorney-in- fact, Susan G. Heimen	SWN Production Company, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	18.00% 18.00% 17.00% 18.00% 18.00% 17.00% 18.00% 18.00%	33/110 1050/413 1073/204 740/592 33/110 771/335 33/110 1052/466
Elmer Edward Melohan, Jr., a single man  Ermest Lee Campbell, a single man  Eugenia Hofman Ball, a /k/a Eugenia H. Ball, a /k/a  Eugenia Ball, a /k/a Eugenia H. Ball, a /k/a  Eugenia Ball, a /k/a Eugenia H. Ball, a /k/a  Eugenia Ball, a /k/a Eugenia H. Ball, a /k/a  Eugenia Ball, a /k/a Eugenia H. Ball, a /k/a  Eugenia Ball, a /k/a  Eugenia Ball, a /k/a  Eugenia Ball, a /k/a  Eugenia Ball, a /k/a  Eugenia Ball, a  Eugenia Ball,	SWN Production Company, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	18.00% 18.00% 17.00% 18.00% 18.00% 17.00% 18.00% 18.00%	33/110 1050/413 1073/204 740/592 33/110 771/335 33/110 1069/314 1052/466
Elmer Edward Molohan, Jr., a single man Emest Lee Campbell, a single man Eugenis Hirfman Ball, a /k/a Eugenia H. Ball, a /k/a Eugenia Ball, a /k/a Eugenia H. Ball, a /k/a Eugenia Ball, a /k/a Genie Ball, a married woman dealing in her sole and separate property Chesapeake Appalachia, LLC Eva Pauline Wagner a/k/a Pauline Miller Wagner, a widow First Christian Church Gall L. Whitlach, a widow Chesapeake Appalachia, LLC Gary D. Nangle and Nancy G. Nangle, his wife Chesapeake Appalachia, LLC George E. Danlels, a single man George M. Miller, a married man dealing in his sole and separate property Geraldine L. Danlels, a widow, by her attorney-in- fact, Susan G. Heinen Gary W. Small, a /k/a Gary Small, a married man dealing in his sole and separate property	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, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	18.00% 18.00% 17.00% 18.00% 18.00% 17.00% 18.00% 18.00%	33/110 1050/413 1073/204 740/592 33/110 771/335 33/110 1069/314 1052/466 1059/544 773/353
Elmer Edward Moloban, Jr., a single man Emest Lee Campbell, a single man Eugenia Hichman Ball, a /l/a Eugenia H. Ball, a /k/a Eugenia Ball, a /l/a Eugenia H. Ball, a /k/a Eugenia Ball, a /l/a Genie Ball, a married woman dealing in her sole and separate property Chesapeake Appalachia, LLC Eva Pauline Wagner a/k/a Pauline Miller Wagner, a widow First Christian Church Gall L. Whitlach, a widow Chesapeake Appalachia, LLC Gary D. Nangle and Nancy G. Nangle, his wife Chesapeake Appalachia, LLC Gary D. Nangle and Nancy G. Nangle, his wife Chesapeake Appalachia, LLC George E. Darlels, a single man George M. Miller, a married man dealing in his sole and separate property Geraldine L. Danlels, a widow, by her attorney-in- fact, Susan G. Nelinen Gary W. Small, a /k/a Gary Smail, a married man dealing in his sole and separate property Chesapeake Appalachia, LLC Hannah Ware, a /k/a Hannah H. Wanc, f/k/a Hannah	SWN Production Company, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	18.00% 18.00% 17.00% 18.00% 18.00% 17.00% 18.00% 18.00%	33/110 1050/413 1073/204 740/592 33/110 771/335 33/110 1052/466
Elmer Edward Mollohan, Jr., a single man Ernest Lee Campbell, a single man Ernest Lee Campbell, a single man Eugenia Hörharn Bäll, a /k/a Eugenia H. Bäll, a /k/a Eugenia Bäll, a /k/a Genle Bäll, a married woman dealing in her sole and separate property  Chesapeake Appalachia, LLC Eva Pauline Wagner a /k/a Pauline Miller Wagner, a widow  Chesapeake Appalachia, LLC Gary D. Nangle and Nancy G. Nangle, his wife  Chesapeake Appalachia, LLC George E. Danles, a single man George M. Miller, a married man dealing in his sole and separate property Geraldine L. Danles, a vidow, by her attorney-in- fact, Susan G. Helinen Gary W. Small, a /k/a Gary Small, a married man dealing in his sole and separate property  Chesapeake Appalachia, LLC  Chesapeake Appalachia, LLC  Hannah Ware, a /k/a Hannah H. Ware, t/k/a Hannah Mulhoiland Höffman Chesapeake Appalachia, LLC	SWN Production Company, LLC SWN Production Company, LLC	18.00% 17.00% 17.00% 18.00% 17.00% 17.00% 17.00% 18.00% 18.00% 18.00%	1047/246 755/359 33/110 1050/413 1073/204 740/592 33/110 771/335 33/110 1059/344 773/353 33/110
Elmer Edward Melohan, Jr., a single man Engenia Hofman Ball, a /k/a Eugenia H. Ball, a /k/a Eugenia Bidman Ball, a /k/a Eugenia H. Ball, a /k/a Eugenia Ball, a /k/a Eugenia H. Ball, a /k/a Eugenia Ball, a /k/a Eugenia H. Ball, a /k/a Eugenia Ball, a /k/a Eugenia H. Ball, a /k/a Eugenia Ball, a /k/a Eugenia H. Ball, a /k/a Eugenia Ball, a /k/a Eugenia H. Ball, a /k/a Chesapeake Appalachia, LLC Gary D. Nangle and Nancy G. Nangle, his wife Chesapeake Appalachia, LLC Gary D. Nangle and Nancy G. Nangle, his wife Chesapeake Appalachia, LLC George E. Deniels, a single man George M. Miller, a married man dealing in his sole and separate property Geraldine L. Daniels, a widow, by her attorney-in- fact, Susan G. Heinen Gary W. Small, a /k/a Gary Small, a married man dealing in his sole and separate property Chesapeake Appalachia, LLC Hannah Ware, a /k/a Hannah H. Ware, f/k/a Hannah Multioliand Hofman	SWN Production Company, LLC SWN Production Company, LLC	18.00% 17.00% 17.00% 18.00% 17.00% 17.00% 17.00% 18.00% 18.00% 18.00%	1047/246 755/359 33/110 1050/413 1073/204 740/592 33/110 771/33 33/110 1059/344 773/353 33/110 755/35
Elmer Edward McBoban, Jr., a single man Emest Lee Campbell, a single man Eugenis Hichman Ball, a /k/a Eugenia H. Ball, a /k/a Eugenia Ball, a /k/a Eugenia H. Ball, a /k/a Eugenia Ball, a /k/a Genie Ball, a married woman dealing in her sole and separate property  Chesapeake Appalachia, LLC Eva Pauline Wagner a /k/a Pauline Miller Wagner, a widow First Christian Church Gall L. Whitlach, a widow Chesapeake Appalachia, LLC Gary D. Nangle and Nancy G. Nangle, his wife  Chesapeake Appalachia, LLC George E. Danlels, a single man George M. Miller, a married man dealing in his sole and separate property Geraldine L. Danlels, a widow, by her attorney-in- fact, Susan G. Heinen Gary W. Small, a /k/a Gary Small, a married man dealing in his sole and separate property Chesapeake Appalachia, LLC Hannah Ware, a /k/a Hannah H. Ware, f/k/a Hannah Muholland Hoffman Chesapeake Appalachia, LLC Hannah Ware, a /k/a Hannah H. Ware, f/k/a Hannah Muholland Hoffman Chesapeake Appalachia, LTC Hannah Ware, a /k/a Hannah H. Ware, f/k/a Hannah Muholland Hoffman Chesapeake Appalachia, LTC Hannah Ware, a /k/a Hannah H. Ware, f/k/a Hannah Muholland Hoffman Chesapeake Appalachia, LTC Hannah Ware, a /k/a Hannah H. Ware, f/k/a Hannah Muholland Hoffman Chesapeake Appalachia, LTC Hannah Ware, a /k/a Hannah H. Ware, f/k/a Hannah Meholland Hoffman Chesapeake Appalachia, LTC Hannah Ware, a /k/a Hannah H. Ware, f/k/a Hannah Meholland Hoffman Chesapeake Appalachia, LTC Hannah Ware, a /k/a Hannah H. Ware, f/k/a Hannah Meholland Hoffman Chesapeake Appalachia, LTC Hannah Ware, a /k/a Hannah Herbert Leroy Gray, Sr. and Marjorie Elizabeth Gray,	SWN Production Company, LLC  Chesapeake Appalachia, LLC  SWN Production Company, LLC  SWN Production Company, LLC  SWN Production Company, LLC  SWN Production Company, LLC  Chesapeake Appalachia, LLC  SWN Production Company, LLC  SWN Production Company, LLC  SWN Production Company, LLC  SWN Production Company, LLC  SWN Production Company, LLC  SWN Production Company, LLC  SWN Production Company, LLC  SWN Production Company, LLC  SWN Production Company, LLC  SWN Production Company, LLC  SWN Production Company, LLC  SWN Production Company, LLC  SWN Production Company, LLC  SWN Production Company, LLC  SWN Production Company, LLC  SWN Production Company, LLC	18.00% 17.00% 18.00% 18.00% 17.00% 18.00% 17.00% 18.00% 18.00% 18.00% 17.00%	1047/246 755/359 33/110 1050/413 1073/204 740/592 33/110 1069/314 1052/466 1059/544 773/353 33/110 755/85
Elmer Edward Melohan, Jr., a single man Ernest Lee Campbell, a single man Ernest Lee Campbell, a single man Legenia Hofman Ball, a /k/a Eugenia H. Ball, a /k/a Eugenia H. Ball, a /k/a Eugenia H. Ball, a /k/a Eugenia H. Ball, a /k/a Eugenia H. Ball, a /k/a Eugenia Ball, a /k/a Eugenia H. Ball, a /k/a Eugenia Ball, a /k/a Eugenia H. Ball, a /k/a Eugenia Ball, a /k/a Eugenia H. Ball, a /k/a Eugenia M. Ball, a /k/a Pauline Miller Wagner, a widow  Chesapeak Appalachia, LLC Gary D. Nangle and Nancy G. Nangle, his wife  Chesapeak Appalachia, LLC George E. Danles, a single man George M. Miller, a married man dealing in his sole and separate property Geraldine L. Danles, a widow, by her attorney-infact, Susan G. Helinen Gary W. Small, a /k/a Gary Smail, a married man dealing in his sole and separate property  Chesapeake Appalachia, LLC Hannah Ware, a /k/a Hannah H. Ware, t/k/a Hannah Muholland Hoffman Chesapeake Appalachia, LLC Harry J. Finney a /k/a Harry James Finney, a widower  Herbert Leroy Gray, Sr. and Marjorie Elizabeth Gray, his wife	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, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC 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, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC	18.00% 17.00% 18.00% 17.00% 18.00% 17.00% 18.00% 18.00% 18.00% 18.00%	1047/246 755/359 33/110 1050/413 1073/204 740/592 33/110 1068/314 1052/466 1059/544 773/353 33/110 755/85 33/110 755/85
Elmer Edward Melohan, Jr., a single man Ermest Lee Campbell, a single man Eugenia Hofman Ball, a /k/a Eugenia H. Ball, a /k/a Eugenia H. Ball, a /k/a Eugenia Ball, a /k/a Eugenia H. Ball, a /k/a Eugenia Ball, a /k/a Eugenia H. Ball, a /k/a Eugenia Ball, a /k/a Eugenia H. Ball, a /k/a Eugenia Ball, a /k/a Eugenia Ball, a /k/a Eugenia Ball, a /k/a Eugenia Ball, a /k/a Fauline Wagner a /k/a Pauline Wagner a /k/a Pauline Willier Wagner, a widow first Christian Church Gail I. Whitlach, a widow Chesapeake Appalachia, ILC Gary D. Nangle and Nancy G. Nangle, his wife Chesapeake Appalachia, LLC George E. Deniels, a single man George M. Miller, a married man dealing in his sole and separate property Geraldine L. Daniels, a widow, by her attorney-infact, Susan G. Heliner Gary W. Small, a /k/a Gary Small, a married man dealing in his sole and separate property Chesapeake Appalachia, LLC Hannah Ware, a /k/a Hannah H. Ware, f/k/a Hannah Chesapeake Appalachia, LLC Harnah Randolph, Handolinkollina N. Randolph, III and Amy J. Randolph, III and Amy	SWN Production Company, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	18.00% 17.00% 18.00% 17.00% 18.00% 17.00% 18.00% 18.00% 18.00% 18.00%	1047/246 755/359 33/110 1050/413 1073/204 740/592 33/110 1069/314 1052/466 1059/544 773/353 33/110 755/85 33/110
Elmer Edward Moloban, Jr., a single man Eugenia Hichman Ball, a /l/a Eugenia H. Ball, a /k/a Eugenia Ball, a /k/a Eugenia H. Ball, a /k/a Eugenia Ball, a /k/a Eugenia H. Ball, a /k/a Eugenia Ball, a /k/a Eugenia H. Ball, a /k/a Eugenia Ball, a /k/a Eugenia H. Ball, a /k/a Eugenia Ball, a /k/a Eugenia H. Ball, a /k/a Eugenia Ball, a /k/a Eugenia H. Ball, a /k/a Chesapeake Appalachia, LLC Gary D. Nangle and Nancy G. Nangle, his wife Chesapeake Appalachia, LLC Gary D. Nangle and Nancy G. Nangle, his wife Chesapeake Appalachia, LLC Gary D. Sall, a /k/a Eugenia M. Miller, a married man dealing in his sole and separate property Geraldine L. Danlels, a widow, by her attorney-in-fact, Susan G. Heiner Gary W. Small, a /k/a Gary Small, a married man dealing in his sole and separate property Chesapeake Appalachia, LLC Harry J. Finney a /k/a Hannah H. Ware, /k/a Hannah Mutholland Hoffman Chesapeake Appalachia, LLC Harry J. Finney a /k/a Harry James Finney, a widower Herbert Leroy Gray, Sr. and Marjorie Elizabeth Gray, his wife	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, LLC SWN Production Company, LLC SWN Production Company, LLC 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, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	18.00% 17.00% 18.00% 17.00% 18.00% 17.00% 18.00% 17.00% 18.00% 18.00% 17.00%	1047/246 755/359 33/110 1050/413 1073/204 740/592 33/110 1059/314 1052/466 1059/544 773/353 33/110 1057/631 740/602 33/110
Elmer Edward Melohan, Jr., a single man Ernest Lee Campbell, a single man Ernest Lee Campbell, a single man Ernest Lee Campbell, a single man Eugenia Hofman Ball, a /k/a Eugenia H. Ball, a/k/a Eugenia Ball, a/k/a Genie Ball, a married woman dealing in her sole and separate property  Chesapeake Appalachia, LLC Eva Pauline Wagner a/k/a Pauline Miller Wagner, a widow  Chesapeake Appalachia, LLC Gary D. Nangle and Nancy G. Nangle, his wife Chesapeake Appalachia, LLC George E. Daniels, a single man George M. Miller, a married man dealing in his sole and separate property Geraldine L. Daniels, a widow, by her attorney-in- fact, Susan G. Helnen Gary W. Small, a/k/a Gary Small, a married man dealing in his sole and separate property Chesapeake Appalachia, LLC Hannah Ware, a/k/a Hannah H. Ware, f/k/a Hannah Mulholland Hoffman Chesapeake Appalachia, LLC Harry J. Finney a/k/a Harry James Finney, a widower Herbert Leroy Gray, Sr. and Marjorie Elizabeth Gray, his wife Chesapeake Appalachia, LLC Hollins N. Randolph, Illand Amy J. Randolph, husband and wife Howard A. Chunnic and Dorothy C. Chunnic, husband and wife	SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC	18.00% 17.00% 18.00% 18.00% 17.00% 18.00% 17.00% 17.00% 18.00% 18.00% 18.00% 18.00% 18.00%	1047/246 755/359 33/110 1050/413 1073/204 740/592 33/110 1069/314 1052/466 1059/544 773/353 33/110 1057/631 740/602 33/110 1029/629
Elmer Edward Melohan, Jr., a single man Engenia Hofman Ball, a /k/a Eugenia H. Ball, a /k/a Eugenia Bidman Ball, a /k/a Eugenia H. Ball, a /k/a Eugenia Ball, a /k/a Eugenia H. Ball, a /k/a Eugenia Ball, a /k/a Eugenia H. Ball, a /k/a Eugenia Ball, a /k/a Eugenia H. Ball, a /k/a Eugenia Ball, a /k/a Eugenia H. Ball, a /k/a Eugenia Ball, a /k/a Eugenia H. Ball, a /k/a Chesapeake Appalachia, LLC Gary D. Nangle and Nancy G. Nangle, his wife Chesapeake Appalachia, LLC Gary D. Nangle and Nancy G. Nangle, his wife Chesapeake Appalachia, LLC Gary D. Nangle, a married man dealing in his sole and separate property Genraldine L. Danelle, a widow, by her attorney-in-fact, Susan G. Heiner Gary W. Small, a /k/a Gary Small, a married man dealing in his sole and separate property Chesapeake Appalachia, LLC Nannah Wane, a /k/a Hannah H. Ware, f/k/a Hannah Muholiand Hoffman Chesapeake Appalachia, LLC Hannah Wane, a /k/a Hannah H. Ware, f/k/a Hannah Chesapeake Appalachia, LLC Hary J. Finney a /k/a Hary James Finney, a widower Herbert Leroy Gray, Sr. and Marjorie Elizabeth Gray, his wife Hollins N. Randolph, Ill and Amy J. Randolph, husband and wife Howard A. Chunnic and Dorothy C. Chunnic,	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, LLC SWN Production Company, LLC SWN Production Company, LLC 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, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	18.00% 17.00% 18.00% 17.00% 18.00% 17.00% 18.00% 17.00% 18.00% 18.00% 17.00%	1047/246 755/359 33/110 1050/413 1073/204 740/592 33/110 1059/314 1052/466 1059/544 773/353 33/110 1057/631 740/602 33/110
Elmer Edward Molohan, Jr., a single man Emest Lee Campbell, a single man Eugenia Hirfman Ball, a /k/a Eugenia H. Ball, a /k/a Eugenia Ball, a /k/a Eugenia H. Ball, a /k/a Eugenia Ball, a /k/a Genie Ball, a married woman dealing in her sole and separate property Chesapeake Appalachia, LLC Eva Pauline Wagner a/k/a Pauline Miller Wagner, a widow First Christian Church Gall L. Whitlach, a widow Chesapeake Appalachia, LLC Gary D. Nangle and Nancy G. Nangle, his wife Chesapeake Appalachia, LLC Gary D. Nangle and Nancy G. Nangle, his wife Chesapeake Appalachia, LLC Gary B. Danlels, a single man George B. Danlels, a single man George M. Miller, a married man dealing in his sole and separate property Geraldine L. Danlels, a widow, by her attorney-in- fact, Susan G. Heinen Gary W. Small, a /k/a Gary Small, a married man dealing in his sole and separate property Chesapeake Appalachia, LLC Harry J. Finney a /k/a Hannah H. Ware, f/k/a Hannah Mulholland Hoffman Chesapeake Appalachia, LLC Harry J. Finney a /k/a Harry James Finney, a widower Herbert Leroy Gray, Sr. and Marjorie Elizabeth Gray, his wife Howard A. Chunnic and Dorothy C. Chunnic, husband and wife Howard A. Chunnic and Dorothy C. Chunnic, husband and wife Evelyn L. Hollidsy, a /k/a Evelyn Loule Holliday, a widow, by her attorney-in-fact, Steven B. Holliday	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, LLC SWN Production Company, LLC	18.00% 17.00% 18.00% 18.00% 17.00% 18.00% 17.00% 17.00% 18.00% 18.00% 18.00% 18.00% 18.00%	1047/246 755/359 33/110 1050/413 1073/204 740/592 33/110 1771/335 33/110 1053/466 1059/544 773/353 33/110 1057/631 740/602 33/110 1023/629 1047/266
Elmer Edward Moloban, Jr., a single man Emest Lee Campbell, a single man Eugenis Hichman Ball, a /l/a Eugenia H. Ball, a /k/a Eugenia Ball, a /k/a Eugenia H. Ball, a /k/a Eugenia Ball, a /k/a Genie Ball, a married woman dealing in her soic and separate property Chesapeake Appalachia, LLC Eva Pauline Wagner a/k/a Pauline Miller Wagner, a widow First Christian Church Gall L. Whitlach, a widow Chesapeake Appalachia, LLC Gary D. Nangle and Nancy G. Nangle, his wife Chesapeake Appalachia, LLC Gary D. Nangle and Nancy G. Nangle, his wife Chesapeake Appalachia, LLC Gary D. Sangle, a single man George E. Danlels, a single man George M. Miller, a married man dealing in his sole and separate property Geraltine L. Danlels, a widow, by her attorney-in- fact, Susan G. Helmer Agray W. Small, a /k/3 Gary Small, a married man dealing in his sole and separate property Chesapeake Appalachia, LLC Harry J. Finney a/k/a Hannah H. Ware, f/k/a Hannah Mulholland Hoffman Chesapeake Appalachia, LLC Harry J. Finney a/k/a Harry James Finney, a widower Herbert Leroy Gray, Sr. and Marjorie Elizabeth Gray, his wife Howard A. Chunnic and Dorothy C. Chunnic, husband and wife Evelyn L. Holliday, a/k/a Evelyn Louise Holliday, a widow, by her attorney-in-fact, Steven B. Holliday Lanet D. Ball and Charles W. Ball, Jr., wife and	SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC	18.00% 17.00% 18.00% 18.00% 17.00% 18.00% 17.00% 17.00% 18.00% 18.00% 18.00% 18.00% 18.00%	1047/246 755/359 33/110 1050/413 1073/204 740/592 33/110 1069/314 1052/466 1059/544 773/353 33/110 755/85 33/110 1057/631 740/602 33/110 1029/629
Elmer Edward Melohan, Jr., a single man Ermest Lee Campbell, a single man Eugenia Hichman Ball, a /k/a Eugenia H. Ball, a /k/a Eugenia Ball, a /k/a Eugenia H. Ball, a /k/a Eugenia Ball, a /k/a Eugenia H. Ball, a /k/a Eugenia Ball, a /k/a Eugenia H. Ball, a /k/a Eugenia Ball, a /k/a Eugenia H. Ball, a /k/a Eugenia Ball, a /k/a Eugenia H. Ball, a /k/a Chesapeake Appalachia, LLC Eva Pauline Wagner a /k/a Pauline Millier Wagner, a widow First Christian Church Gail L. Whitlach, a widow Chesapeake Appalachia, LLC Gary D. Nangle and Nancy G. Nangle, his wife Chesapeake Appalachia, LLC George E. Daniels, a single man George M. Miller, a married man dealing in his sole and separate property Geraldine L. Daniels, a widow, by her attorney-in- fact, Susan G. Helnen Gary W. Small, a /k/a Gary Small, a married man dealing in his sole and separate property Chesapeake Appalachia, LLC Hannah Ware, a /k/a Hannah H. Ware, f/k/a Hannah Muholland Hoffman Chesapeake Appalachia, LLC Harry J. Finney a /k/a Harry James Finney, a widower Herbert Leroy Gray, Sr. and Marjorie Elizabeth Gray, his wife Chesapeake Appalachia, LLC Hollins N. Randolph, Ill and Amy J. Randolph, husband and wife Evelyn L. Holliday, a /k/a Evelyn Louise Holliday, a widow, by her attorney-in-fact, Steven B. Holliday Chesapeake Appalachia, LLC	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, LLC SWN Production Company, LLC	18.00% 17.00% 18.00% 17.00% 18.00% 17.00% 17.00% 17.00% 18.00% 18.00% 17.00% 18.00% 17.00%	1047/246 755/359 33/110 1050/413 1073/204 740/592 33/110 1069/314 1052/544 773/353 33/110 1057/631 33/110 1057/631 1057/631 1029/629 1047/266 734/561

RECEIVED
Office of Oil and Gas

UL 1 4 2022

VIV Department of Environmental Protection

Wetzel County, West Virginia

4710303519

		· ·	
anet M. Stewart, a widow	Chesapeake Appalachia, LLC	17.00%	768/356
hesapeake Appalachia, LLC anice L. Danner, a single woman, by her attorney-i	SWN Production Company, LLC in SWN Production Company, LLC	18.00%	33/110 1073/194
act, Michelle L. Neal ayne Lou Kimberly, a/k/a Jayne Kimberly and	Chesapeake Appalachia, LLC	17.00%	734/1
ames R. Kimberly, her husband Thesapeake Appalachia, LLC	SWN Production Company, LLC		33/110
eanette Dolan, a/k/a Janette Dolan, a married	Chesapeake Appalachia, LLC	17.00%	742/356
voman dealing in her sole and separate property		- 1	22//42
thesapeake Appalachia, LLC effrey S. Burton, a married man dealing in his sole	SWN Production Company, LLC SWN Production Company, LLC	18.00%	33/110 1037/556
ind separate property effrey W. Armstrong, a married man, dealing in his	s SWN Production Company, LLC	18.00%	1061/340
ole and separate property ennelle I. Camino	SWN Production Company, LLC	18.00%	1046/39
ennifer L. Sharp, a married woman dealing in her	SWN Production Company, LLC	18.00%	1061/345
icle and separate property erry Schwing, a married man dealing in his sole an	d Chesapeake Appalachia, LLC	17.00%	734/56
eparate property Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110
essie M. Wood, a single woman, by her attorney-i act, Elaine J. Blackhurst	n- SWN Production Company, LLC	18.00%	1047/457
imma E. Byers, a widow The Joan B. Hoge Trust, dated December 7, 1995	SWN Production Company, LLC SWN Production Company, LLC	18.00% 18.00%	1047/261
ody L. Alexander, a married woman dealing in her		17.00%	771/569
sole and separate property		1	l
Chesapeake Appalachia, LLC John D. Gray, a single man	SWN Production Company, LLC SWN Production Company, LLC	18.00%	33/110 1040/44
ohn E. Wright, III, a married man dealing in his sol and separate property	e Chesapeake Appalachia, LLC	17.00%	759/851
Chesapeake Appalachia, LLC John Kestner, a married man dealing in his sole and	SWN Production Company, LLC  Chesapeake Appalachia, LLC	17.00%	33/110 739/527
separate property Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110
ohn N. Hanna, a widower	SWN Production Company, LLC	18.00%	1049/561
loseph A. Chunnic, a single man loseph Dwayne Gray, a married man dealing in his	SWN Production Company, LLC SWN Production Company, LLC	18.00% 18.00%	1045/483 1052/476
sole and separate property loyce Lee Gray-Romero, a single woman	SWN Production Company, LLC	18.00%	1071/474
Kandie R. Self f/k/a Kandie R. Prickett, a married woman dealing in her sole and separate property	SWN Production Company, LLC	18.00%	1041/550
Katherine Bane, a widow	Chesapeake Appalachia, LLC	17.00%	763/593
Chesapeake Appalachia, LLC Katherine E. Coffey, a/k/a Katherine Evans Coffey,	SWN Production Company, LLC	18.00%	33/110 1041/580
single woman			L
Katherine Fayetta Mason and Howard Robert Enni wife and husband		18.00%	1053/230
Kenneth L. Woods, a single man Kenneth W. Gray, Sr. a/k/a Kenneth W. Gray and	SWN Production Company, LLC Chesapeake Appalachia, LLC	18.00% 17.00%	1040/34 734/41
Victoria Lynn Gray, his wife Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110
Lance Z. Hoffman, a single man Larry A. Woods and Leann K. Woods, husband and	SWN Production Company, LLC	18.00% 18.00%	1070/575 1041/565
wife Laura Loretta Manown, a widow			<u> </u>
Laurence Myers Evans, II and Penny C. Evans,	SWN Production Company, LLC SWN Production Company, LLC	18.00%	1053/225 1040/49
husband and wife Leah D. McDonald and Kevin W. McDonald, wife	SWN Production Company, LLC	18.00%	1068/166
and husband Lester Franklin Lemley and Rita J. Lemley, his wife	Chesapeake Appalachia, LLC	17.00%	746/277
Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110
Linda L. Thomas, a married woman dealing in her sole and separate property	SWN Production Company, LLC	18.00%	1033/332
linda L. Van De Veere, a married woman dealing in	SWN Production Company, LLC		
		18.00%	1052/484
ner sole and seprate property Lois Mickey, a/k/a Lois Jean Chambers, a widow	Chesapeake Appalachia, LLC	18.00%	1052/484 763/318
.ois Mickey, a/k/a Lois Jean Chambers, a widow Chesapeake Appalachia, LLC	Chesapeake Appalachia, LLC SWN Production Company, LLC		763/318 33/110
ois Mickey, a/k/a Lois Jean Chambers, a widow			763/318 33/110
ois Mickey, a/k/a Lois Jean Chambers, a widow Chesapeake Appalachia, LLC cori R. Bingham, a married woman dealing in her sole and separate property coma Marie Lew, a single woman	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	17.00% 18.00%	763/318 33/110 1070/585 1051/636
Lois Mickey, a/k/a Lois Jean Chambers, a widow Chesapeake Appalachis, LLC corl R. Bilgham, a married woman dealing in her ooke and separate property Loma Marie Lew, a single woman crraine Gale Baton and Thomas Balon, her husban	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC d Chesapeake Appalachia, LLC	17.00%	763/318 33/110 1070/585 1051/636 741/346
Lois Mickey, a/k/a Lois Jean Chambers, a widow Chespeake Appalachia, LLC corl R. Bigham, a mareder woman dealing in her ook and separate property .oma Marie Lew, a single woman .coraline Gale Baton and Thomas Baion, her husban Chesapeake Appalachia, LLC uella May Gray, a widow, by her attorney-in-fact, uella May Gray, a widow, by her attorney-in-fact,	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	17.00% 18.00%	763/318 33/110 1070/585 1051/636 741/346 33/110
cois Mickey, a/k/a Lois Jean Chambers, a widow Chesapeake Appalachia, LLC ord R. Birgham, a married woman dealing in her olse and separate property coma Marie Lew, a single woman corraine Gale Balon and Thomas Balon, her husban Chesapeake Appalachia, LLC uella May Gray, a widow, by her attorney-in-fact, sitan Soutt Gray yom Marie Van Over, a single woman	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Id Chesapeake Appalachla, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	17.00% 18.00% 18.00% 17.00% 18.00%	763/318 33/110 1070/585 1051/636 741/346 33/110 1069/324
Lois Mickey, a/k/a Lois Jean Chambers, a widow Chesapeake Appalachia, LLC cort R. Bilgham, a married woman dealing in her looke and separate property Lorna Marie Lew, a single woman corraine Gale Babon and Thomas Balon, her husban Chesapeake Appalachia, LLC uella May Gray, a widow, by her attorney-in-fact, trian Scott Gray	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Id Chesapeake Appalachla, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	17.00% 18.00% 18.00% 17.00%	763/318 33/110 1070/585 1051/636 741/346 33/110 1069/324
cois Mickey, a/k/a Lois Jean Chambers, a widow Chesppeake Appalachia, LLC corf R. Birgham, a maried woman dealing in her ook and separate property coma Marie Lew, a single woman corraine Gale Balon and Thomas Balon, her husban Chesapeake Appalachia, LLC uella May Gray, a widow, by her attorney-in-fact, irian Scott Gray yon Marie Var Over, a single woman Madeline V. Catlett, a/k/a Madeline Virginia Catlett, /k/a Madaline Virginia Catlett, a widow	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC d Chesapeake Appalachia, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC t, Chesapeake Appalachia, LLC	17.00% 18.00% 18.00% 17.00% 18.00%	763/318 33/110 1070/585 1051/636 741/346 33/110 1069/324 1041/590 730/223
cois Mickey, a/k/a Lois Jean Chambers, a widow Chesapeake Appalachia, LLC corf R. Birgham, a married woman dealing in her olos and separate property .oma Marie Lew, a single woman .orraine Gale Balon and Thomas Balon, her husban Chesapeake Appalachia, LLC uella May Gray, a widow, by her attorney-in-fact, krish Scott Gray yom Marie Van Over, a single woman vadeline V. Catlett, a/k/a Madeline Virginia Catlett /k/a Madaline Virginia Catlett, a widow Chesapeake Appalachia, LLC Marion L. Swank, a single woman	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC d Chesapeake Appalachis, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC t, Chesapeake Appalachis, LLC SWN Production Company, LLC SWN Production Company, LLC	17.00%  18.00%  18.00%  17.00%  18.00%  17.00%  18.00%	763/318 33/110 1070/585 1051/636 741/346 33/110 1069/324 1041/590 730/223 33/110 1049/550
cis Mickey, a/k/a Lois Jean Chambers, a widow Chesapeake Appalachis, LLC corf R. Birgham, a married woman dealing in her olos and separate property Coma Marie Lew, a single woman Corraine Gale Balon and Thomas Balon, her husban Chesapeake Appalachis, LLC Leila May Gray, a widow, by her attorney-in-fact, sitian Scott Gray yom Marie Van O'ver, a single woman Madeline V. Catlett, a/k/a Madeline Vinginia Catlet vik/a Madaline Vinginia Catlett, a widow Marjoria B. Kidd and Robert C. Kidd, wife and usband	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC d Chesapeake Appalachia, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	17.00%  18.00%  18.00%  17.00%  18.00%  18.00%  18.00%  18.00%	763/318 33/110 1070/58 <sup>1</sup> 1051/636 741/346 33/110 1069/324 730/223 33/110 1049/550 1051/621
cois Mickey, a/k/a Lois Jean Chambers, a widow Cheaspeake Appalachis, LLC cril R. Bingham, a married woman dealing in her olos and separate property coma Marie Lew, a single woman corraine Gale Balon and Thomas Balon, her husban cheaspeake Appalachis, LLC uella May Gray, a widow, by her attorney-in-fact, trian Soutt Gray yan Marie Van Over, a single woman Madeline V. Catlett, a/k/a Madeline Virginia Catlet /k/a Madeline Virginia Catlett, a widow herspeake Appalachis, LLC Marion L. Swank, a single woman Marjorie B. Kidd and Robert C. Kidd, wife and usband Mark Allein Lemley, a married man dealing in his ole and separate property	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC d Chesapeake Appalachia, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC t, Chesapeake Appalachia, LLC 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, LLC	17.00%  18.00%  18.00%  17.00%  18.00%  17.00%  18.00%	763/318 33/110 1070/585 1051/636 741/346 33/110 1069/324 1041/590 730/223 33/110 1049/550 1051/621 741/364
cios Mickew, a/k/a Lois Jean Chambers, a widow  Chesapeake Appalachis, LLC  corf R. Bingham, a married woman dealing in her  cole and separate property  corna Marie Lew, a single woman  corraine Gale Balon and Thomas Balon, her husban  Chesapeake Appalachis, LLC  cuells May Gray, a widow, by her attorney-in-fact,  sidn Scott Gray, a widow, by her attorney-in-fact,  sidn Scott Gray, a widow, by her attorney-in-fact,  sidn Scott Gray, a widow, by her attorney-in-fact,  sidn Scott Gray, a widow, by her attorney-in-fact,  widow Schott Correction  widow Chesapeake Appalachis, LLC  Marion L. Swank, a single woman  Marjorke B. Kidd and Robert C. Kidd, wife and  susband  widow Ard Rielen Lomley, a married man dealing in his  cale and separate property  hesapeake Appalachis, LLC  Martha C. Hyer, Jir., wife and  dartha C. Hyer and Richard O. Hyre, Jir., wife and	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC d Chesapeake Appalachia, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	17.00%  18.00%  18.00%  17.00%  18.00%  18.00%  18.00%  18.00%	763/318 33/110 1070/585 1051/636 741/346 33/110 1069/324 1041/590 730/223 33/110 1049/550 1051/621 741/364 33/110
cis Mickey, a/k/a Lois Jean Chambers, a widow  Chesapeake Appalachis, LLC  corf R. Bingham, a married woman dealing in her  cole and separate property  corna Marie Lew, a single woman  corraine Gale Bain and Thomas Baion, her husban  Chesapeake Appalachis, LLC  cuells May Gray, a widow, by her attorney-in-fact,  trian Scott Gray, a widow, by her attorney-in-fact,  trian Scott Gray, a widow, by her attorney-in-fact,  trian Scott Gray, a widow, by her attorney-in-fact,  trian Scott Gray,  yann Marie Van Over, a single woman  ndadeline V. Carliert, a/k/a Madeline Virginia Cattlet  ///A Madeline Virginia Cattlett, a  widow  Chesapeake Appalachia, LLC  Marion L. Swank, a single woman  nusband  nusband  nushand   SWN Production Company, LLC SWN Production Company, LLC d Chesapeake Appalachia, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	17.00%  18.00%  18.00%  17.00%  18.00%  17.00%  18.00%  17.00%	763/318 33/110 1070/585 1051/636 741/346 33/110 1069/324 1041/590 730/223 33/110 1049/550 1051/621 741/364 33/110	
Lois Mickey, a/k/a Lois Jean Chambers, a widow Chesapeake Appalachia, LLC cord R. Bingham, a mareder woman dealing in her older and the state of the cord of the state of the cord of the state of the cord of the	SWN Production Company, LLC SWN Production Company, LLC d Chesapeake Appalachia, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	17.00%  18.00%  18.00%  17.00%  18.00%  18.00%  18.00%  18.00%  18.00%	763/318 33/110 1070/583 1051/636 741/346 33/110 1069/324 1041/590 730/223 33/110 1049/550 1051/631 741/364 33/110 1031/530
cios Mickey, a/k/a Lois Jean Chambers, a widow Chesapeake Appalachia, LLC ord R. Bingham, a married woman dealing in her colos and separate property. Coma Marie Lew, a single woman. Corraine Gale Balon and Thomas Balon, her husban Chesapeake Appalachia, LLC utila May Gray, a widow, by her attorney-in-fact, trian Scott Gray yon Marie Van Over, a single woman Madelline V. Cathett, a/k/a Madelline Vinginia Catter (V/A) Madelline Vinginia Catter	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC d Chesapeake Appalachia, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	17.00%  18.00%  18.00%  17.00%  18.00%  18.00%  18.00%  17.00%  18.00%  17.00%	763/318 33/110 1070/585 1051/636 741/346 33/110 1069/324 1041/590 33/110 1049/550 761/621 741/364 33/110 1031/530 755/91 33/110 9333/303
cios Mickey, a/k/a Lois Jean Chambers, a widow Cheaspeake Appalachis, LLC cerl R. Bingham, a married woman dealing in her olde and separate property coma Marie Lew, a single woman corraine Gale Balon and Thomas Balon, her husban Cheaspeake Appalachis, LLC cuells May Gray, a widow, by her attorney-in-fact, brian Scott Gray your Marie Van Over, a single woman viaceline V. Carlett, a/k/a Madeline Virginia Catlet V/k/a Madeline Virginia Catlett, a widow cheaspeake Appalachis, LLC Walfrion L. Swank, a single woman widow fine Switch and Robert C. Kidd, wife and susband dark Allen Lemley, a married man dealing in his ode and separate property heaspeake Appalachis, LLC walfrion L. Walfrion L. Walfrion L. Walfrion C. Walfrion	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC d Chesapeake Appalachia, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	17.00%  18.00%  18.00%  17.00%  18.00%  18.00%  17.00%  18.00%  17.00%  18.00%  17.00%	763/318 33/110 1070/583 1051/636 741/346 33/110 1069/324 730/223 33/110 1049/550 1051/632 741/364 33/110 1031/530 755/91 33/110 933/303 774/461
cis Mickey, a/k/a Lois Jean Chambers, a widow  Chesapeake Appalachis, LLC  corf R. Bingham, a married woman dealing in her  cole and separate property  corna Marie Lew, a single woman  corraine Gale Balon and Thomas Balon, her husban  Chesapeake Appalachis, LLC  cuells May Gray, a widow, by her attorney-in-fact,  sixin Scott Gray, a widow, by her attorney-in-fact,  sixin Scott Gray, a widow, by her attorney-in-fact,  sixin Scott Gray,  yon Marie Van Over, a single woman  Madeline V. Carlett, a/k/a Madeline Virginia Catlet  //k/a Madaline Virginia Catlett, a widow  Chesapeake Appalachis, LLC  Marion L. Swank, a single woman  Mariorke B. Kidd and Robert C. Kidd, wife and  usband  Mariorke B. Kidd and Robert C. Kidd, wife and  usband  safartha C. Hyer and Richard O. Hyre, Ir., wife and  usband  dark Allen Lemley, a married man dealing in his  cle and separate property  hesapeake Appalachis, LLC  Mary Luehl, a/k/a Polly Keuhl, a/k/a Mary Hoffmar  uehl, a widow  hesapeake Appalachis, LLC   Mary Sue Garley, a/k/a Susle Gartley and C.  Horsaneake Appalachis, LLC   Mary Jane Wilkom   Andry Sue Garley, a/k/a Susle Gartley and C.   Horsaneake Appalachis, LLC   Mary Jane Rarley, Ark Jusband  hesapeake Appalachis, LLC   Melba P. Behanna, a widow	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC d Chesapeake Appalachia, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC	17.00%  18.00%  18.00%  17.00%  18.00%  18.00%  18.00%  17.00%  18.00%  17.00%	763/318 33/110 1070/583 1051/636 741/346 33/110 1069/324 1041/596 730/223 33/110 1049/556 1051/621 741/364 33/110 933/303 774/461 33/110 33/110 37/11/08
cis Mickey, a/k/a Lois Jean Chambers, a widow  Chesapeake Appalachis, LLC.  corf R. Bingham, a married woman dealing in her  cole and separate property.  coma Marie Lew, a single woman.  Chesapeake Appalachis, LLC.  cuells May Gray, a widow, by her attorney-in-fact,  trian Scott Gray.  yann Marie Van Over, a single woman.  faceline V. Carlett, a/k/a Madeline Virginia Catletr  (V/A Madaline Virginia Catlett, a widow  chesapeake Appalachis, LLC.  Marion L. Swank, a single woman.  faceline V. Carlett, a/k/a Madeline Virginia Catletr  (V/A Madaline Virginia Catlett, a widow  chesapeake Appalachis, LLC.  Marion L. Swank, a single woman  faceline V. Carlett, a widow  chesapeake Appalachis, LLC.  Marion E. Widow  hesapeake Appalachis, LLC.  Mary Sue Garlety, a/k/a Suske Garley and C.  homas Gartley, Arvia Suske Garley and C.  homas Gartley, Arvia Suske Garley and C.  homas Gartley, Arvia Suske Garley and C.  homas Gartley, Arvia Suske Garley and C.  homas Gartley, Arvia Suske Garley and C.  homas Gartley, Arvia Suske Garley and C.  homas Gartley, Arvia Suske Garley and C.  homas Gartley, Arvia Suske Garley and C.  homas Gartley, Arvia Suske Garley and C.  homas Gartley, Arvia Suske Garley and C.  homas Gartley, Arvia Suske Garley and C.  homas Gartley, Arvia Suske Garley and C.  homas Gartley, Arvia Suske Garley and C.  homas Garley, Melloda Melloda Melloda, Melloda Melloda,	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC d Chesapeake Appalachia, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC 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, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC	17.00%  18.00%  18.00%  17.00%  18.00%  18.00%  17.00%  18.00%  17.00%  16.00%  17.00%	763/318 33/110 1070/583 1051/636 741/346 33/110 1069/324 33/110 1049/550 1051/631 741/364 33/110 1031/530 774/461 33/110 771/108 33/110
cis Mickey, a/k/a Lois Jean Chambers, a widow  Chesapeake Appalachis, LLC.  corf R. Bingham, a married woman dealing in her  cole and separate property.  coma Marie Lew, a single woman.  Chesapeake Appalachis, LLC.  cuells May Gray, a widow, by her attorney-in-fact,  fatin Scott Gray.  yann Marie Van Over, a single woman.  fateline V. Carlett, a/k/a Madeline Virginia Catlet  //k/a Madaline Virginia Catlett, a widow.  Chesapeake Appalachis, LLC.  Marion L. Swank, a single woman.  Awar Allen Lemley, a married man dealing in his  cole and separate property.  hesapeake Appalachis, LLC.  Marion L. Wark and Richard D. Hyre, Ir., wife and  usband  mark Allen Lemley, a married man dealing in his  cole and separate property.  hesapeake Appalachis, LLC.  Mary Luehl, a/k/a Polly Keuhl, a/k/a Mary Hoffmar  ushand  mary Kuehl, a/k/a Polly Keuhl, a/k/a Mary Hoffmar  uehl, a widow  hesapeake Appalachis, LLC.  Mary Sue Gartley, a/k/a Susle Gartley and C.  homas Gartley, her husband  hesapeake Appalachis, LLC.  Mary Jan And Marie Allen  Mary Sue Gartley, a/k/a Susle Gartley and C.  homas Gartley, her husband  hesapeake Appalachis, LLC.  Mary Jan Bong and Mary Mellinda Molichan,  ingle woman.	SWN Production Company, LLC SWN Production Company, LLC d Chesapeake Appalachia, LLC SWN Production Company, LLC	17.00%  18.00%  18.00%  17.00%  18.00%  18.00%  18.00%  17.00%  18.00%  17.00%  17.00%	763/318 33/110 1070/583 1051/636 741/346 33/110 1069/324 1041/590 1051/636 33/110 1031/530 755/91 33/110 33/110 771/461 33/110 771/100
cios Mickey, a/k/a Lois Jean Chambers, a widow Chesapeake Appalachis, LLC corl R. Bingham, a married woman dealing in her clock and separate property. Coma Marie Lew, a single woman corraine Gale Balon and Thomas Balon, her husban Chesapeake Appalachis, LLC uella May Gray, a widow, by her attorney-in-fact, srian Scott Gray yon Marie Van Over, a single woman Madeline V. Catlett, a/k/a Madeline Vinginia Catlet V/A Madeline Vinginia Catlett, a widow Chesapeake Appalachis, LLC Marion L. Swash, a single woman Marjorie B. Kidd and Robert C. Kidd, wife and usuband Wark Allen Lemley, a married man dealing in his oice and separate property Chesapeake Appalachis, LLC Marion L. Swash, a single woman darry Kuelh, a Widow Chesapeake Appalachis, LLC Mary L. Chrye and Bichard D. Hyre, Ir., wife and usuband Mary Kuelh, a Widow Chesapeake Appalachis, LLC Mary Jane Wilson Mary Jane Wilson Mary Jane Wilson Mary Jane Wilson Mary Jane Wilson Mary Jane Wilson Mary Jane Wilson Mary Jane Wilson Mary Jane Wilson Mary Jane Wilson Mary Jane Wilson Mary Jane Wilson Mary Jane Wilson Mary Jane Wilson Mary Melinda Molichan a Arifa Mary Melinda Molichan a Jrifa  SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC d Chesapeake Appalachia, LLC SWN Production Company, LLC	17.00%  18.00%  18.00%  17.00%  18.00%  18.00%  18.00%  17.00%  18.00%  17.00%  18.00%  17.00%	763/318 33/110 1070/585 741/346 33/110 1069/324 1041/590 33/110 1049/550 1051/636 33/110 1031/530 755/91 33/110 33/110 771/461 33/110 1057/626	
cis Mickey, a/k/a Lois Jean Chambers, a widow Chesapeake Appalachis, LLC Lord R. Bingham, a married woman dealing in her olde and separate property Lorna Marie Lew, a single woman Crariane Gale Balon and Thomas Balon, her husban Chesapeake Appalachis, LLC Lord R. William Control of the Cont	SWN Production Company, LLC SWN Production Company, LLC d Chesapeake Appalachia, LLC SWN Production Company, LLC	17.00%  18.00%  18.00%  17.00%  18.00%  18.00%  17.00%  18.00%  17.00%  17.00%  18.00%  17.00%  18.00%  17.00%  18.00%  18.00%	763/318 33/110 1070/585 1051/636 741/346 33/110 1069/324 1041/590 33/110 1051/636 1051/631 1031/530 755/91 33/110 9333/303 774/461 33/110 771/108 33/110 1051/636
cios Mickey, a/k/a Lois Jean Chambers, a widow Chesapeake Appalachia, LLC ord R. Birgham, a married woman dealing in her colos and separate property coma Marie Lew, a single woman corraine Gale Balon and Thomas Balon, her husban Chesapeake Appalachia, LLC arish Sout Gray, a widow, by her attorney-in-fact, arish Sout Gray yom Marie Van Over, a single woman Madeline V. Catlett, a/k/a Madeline Virginia Catlett, a widow Chesapeake Appalachia, LLC Marion L. Swank, a single woman Warjorie B. Kidd and Robert C. Kidd, wife and wisband Wark Allen Lemley, a married man dealing in his coke and separate property Chesapeake Appalachia, LLC Martho L. Hyre and Richard D. Hyre, Jr., wife and wash Chesapeake Appalachia, LLC Martho L. Hyre and Richard D. Hyre, Jr., wife and wash Wallen Lamley, a married man dealing in his coke and separate property Chesapeake Appalachia, LLC Martho L. Hyre and Richard D. Hyre, Jr., wife and wash y Lamley	SWN Production Company, LLC SWN Production Company, LLC d Chesapeake Appalachia, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Thesapeake Appalachia, LLC SWN Production Company, LLC	17.00%  18.00%  18.00%  17.00%  18.00%  18.00%  17.00%  18.00%  17.00%  17.00%  18.00%  17.00%  18.00%  18.00%  18.00%  18.00%	763/318 33/110 1070/585 1051/636 741/346 33/110 1069/324 1041/590 33/110 1049/550 1051/636 741/364 33/110 1031/530 755/91 33/110 933/303 774/461 33/110 1057/626

NECEIVED
Office of Oil and Gas

JUL 1 4 2022

WV Department of Environmental Protection

4710303519

		£.	+ /	U	J	) 2	) )	1 3	9
	SWN Production Company, LLC	18.00%	1047/256			ı			
his sole and separate property  Norman E. Gray, Jr. and Connie J. Gray, his wife	Chesapeake Appalachia, LLC	17.00%	740/60						
Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110			- 1			
Pam Klovanish, a/k/a Pamela Kay Vukelich, a	Chesapeake Appalachia, LLC	17.00%	743/279			ı			
married woman dealing in her sole and separate property						ł			
Chesapeake Appalachia, LLC Phillip R. Whitlatch and Tamara Whitlatch, husband	SWN Production Company, LLC SWN Production Company, LLC	18.00%	33/110 1061/96			i			
and wife Randy J. Matthews and April D. Matthews, husband		18.00%	1056/489			ı			
and wife		17.00%	765/613			- 1			
Richard Dean Gray, widower Chesapeake Appalachia, LLC	Chesapeake Appalachia, LLC SWN Production Company, LLC		33/110			- 1			
Richard F. Mohr, Sr., a widower Ricky Schwing, a married man dealing in his sole and	SWN Production Company, LLC Chesapeake Appalachia, LLC	18.00% 17.00%	1050/408 735/506						
separate property Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110			1			
Roberta L. Dupain, a married woman dealing in her	SWN Production Company, LLC	18.00%	1041/560			ı			
sole and separate property Roger Jay Henderson and Theresa V. Henderson,	SWN Production Company, LLC	18.00%	1057/621			- 1			
husband and wife Ronald V. Chambers and Jean Ann Chambers, his	SWN Production Company, LLC	18.00%	1073/199			1			
wife Sabrina Camino, a single woman	SWN Production Company, LLC	18.00%	1063/64			- 1			
Samantha Camino, a minor, by Janeen Hape, as	SWN Production Company, LLC	18.00%	1068/456			- 1			
Limited Guardian and Conservator									
Sandra Strader and Gordon W. Strader, wife and husband	SWN Production Company, LLC	18.00%	1047/452			- 1			
Sarita L. Whitlatch, a widow Sharon L. Wagoner, a/k/a Sharon L. Becraft	SWN Production Company, LLC Chesapeake Appalachia, LLC	18.00% 17.00%	1051/631 742/194			- 1			
Wagoner and Robert V. Wagoner, her husband	Chaspente Apponduit, EEC	1	,			- 1			
Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110			- 1			
Sherry L. Saxon and James R. Saxon, wife and husband	SWN Production Company, LLC	18.00%	1041/545						
Howard Kestner and Shirley M. Kestner, his wife	Chesapeake Appalachia, LLC	17.00%	731/283						
Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110			ı			
Steven F. Daniels, a single man Steven P. Armstrong and Carrie G. Armstrong,	SWN Production Company, LLC SWN Production Company, LLC	18.00%	1069/319 1046/44						
husband and wife SWN Production Company, LLC (former interest of	N/A (SWN-owned minerals)	N/A	1068/451			1			
Thomas Blue)						1			
Betty Whitlach and William F. Whitlach, her husband	Chesapeake Appalachia, LLC	17.00%	730/203			1			
Chesapeake Appalachia, LLC The Randolph Family Trust, dated April 18, 2002	SWN Production Company, LLC SWN Production Company, LLC	18.00%	33/110 1040/39			- 1			
Mary Frances Gray a/k/a Mary Frances Leaver Gray		17.00%	769/112			I			
		17.00%				ı			
Chesapeake Appalachia, LLC Thomas Ralph Murphy, Jr., a single man	SWN Production Company, LLC SWN Production Company, LLC	18.00%	33/110 1066/28			I			
Timothy J. Woods and Elizabeth R. Woods, husband and wife	SWN Production Company, LLC	18.00%	1041/585			- 1			
Timothy McCurdy a/k/a Timothy S. McCurdy, a single man	SWN Production Company, LLC	18.00%	1031/515			- 1			
Travis L. Murphy, a single man	SWN Production Company, LLC	18.00%	1066/33			- 1			
Vickie Schwing, a single woman Chesapeake Appalachia, LLC	Chesapeake Appalachia, LLC SWN Production Company, LLC	17.00%	734/51 33/110			- 1			
Victoria Anne Pakrovsky, a married woman dealing in her sole and separate property	SWN Production Company, LLC	18.00%	1054/17			- 1			
Vlolet N. Byers, a single woman Vivian Dishman aka Vivian L. Chambers aka Vivian	SWN Production Company, LLC Chesapeake Appalachia, LLC	18.00%	1041/540 771/329			- 1			
La Rue Dishman, by her attorney-in-fact James C.	Company of the compan	1.20%	111,323			- 1			
Dishman, her husband		l							
Chesapeake Appalachia, LLC  Walter L. Caprini, a married man dealing in his sole	SWN Production Company, LLC SWN Production Company, LLC	18.00%	33/110 1067/280			ı			
and separate property William E. Hibbs and Karen Hibbs, husband and wife		18.00%	1057/616			- 1			
		<u> </u>				J			
1	Chesapeake Appalachia, LLC	17.00%	746/283			- 1			
Chesapeake Appalachia, LLC William J. Walker, a married man dealing in his sole	SWN Production Company, LLC SWN Production Company, LLC	18.00%	33/110 1031/525			1			
and separate property Charles E. Chambers	SWN Production Company, LLC	L				ı			
Christina Mason	SWN Production Company, LLC	20.00%	1070/590 1070/590			i			
Connie J. Mungle Elmer Edward Moliohan	SWN Production Company, LLC SWN Production Company, LLC	20.00%	1070/590 1070/590			ı			
Grace I. Whitney Ilse Schitch Mason	SWN Production Company, LLC SWN Production Company, LLC	20.00%	1070/590 1070/590			ı			
lowa Most, Miles of Smiles	SWN Production Company, LLC	20.00%	1070/590			ı			
Jenny Lynn Burton Lonnie Faye Campbell	SWN Production Company, LLC SWN Production Company, LLC	20.00%	1070/590 1070/590			- 1			
Maria Danita Martinez Marshall C. Armstrong	SWN Production Company, LLC Co-Tenancy Affidavit	20.00%	1070/590 1070/590				REC	EIVE	) d Ga <b>s</b>
Richard A. Wood Richard Allen Wood	SWN Production Company, LLC SWN Production Company, LLC	20.00% 20.00%	1070/590 1070/590			Off	on of	un and	a Gaa
Salvation Army, Whitchita Kansas, Benficiary of the	SWN Production Company, LLC	20.00%	1070/590				4	4 20	122
Ronald H. Dayton Revocable Trust						JŁ	JL 1	4 (	JLL
Shane Armstrong Terry Lee Strickler	SWN Production Company, LLC SWN Production Company, LLC	20.00%	1070/590 1070/590			1			
Teresa O. Randolph Lyell L. Slade	SWN Production Company, LLC SWN Production Company, LLC	20.00%	1070/590 1070/590		_	W	Depa	ai imei	nt of otection
Lawrence R. Slade William L. Slade	SWN Production Company, LLC	20.00%	1070/590		Er	ivira	minen	LCI I'I	J. J. J. J. J. J. J. J. J. J. J. J. J. J
Mary C. Galley	SWN Production Company, LLC SWN Production Company, LLC	20.00%	1070/590 1070/590			- 1			
Jerry Stone Roger C. Stone	SWN Production Company, LLC SWN Production Company, LLC	20.00%	1070/590 1070/590						
Woodrow James Urban, Jr. Andrew David Whitlatch	SWN Production Company, LLC SWN Production Company, LLC	20.00%	1070/590						
Summer Nicole Whitlatch (heir of David C. Whitlatch)	SWN Production Company, LLC	20.00%	1070/590 1070/590						
Thomas Paul Springer	SWN Production Company, LLC	20.00%	1070/590			- 1			
Virginia A. Janosek William Clifton Byers, Jr.	SWN Production Company, LLC SWN Production Company, LLC	20.00%	1070/590 1070/590						
Belinda Mollohan Wounded Warrior Project	SWN Production Company, LLC SWN Production Company, LLC	20.00%	1070/590			- 1			
	re to company, LLC	20.00%	1070/590						

EXHIBIT "A"

Attached to and made a part of the State of West Virginia Oil and Gas Form, WW-6A1, by SWN Production Company, LL.C, as Operator

Vernon Johnson WTZ 201H

Wetzel County, West Virginia

4 7 1 0 3 0 3 5 1 9

Table   Tabl
Name
Name 21, 2010   Name 21, 201
Chaspack Applation   L.L.   SWN Production Company LLC   12:50%   277(3)   12:50%
Name   D. Divide   Chespeake Applacish, L.L.   12:50%   33/119
Consequence Appositable, LLC.  Chesposite Appositable, LLC.  Chesposite Appositable, LLC.  Chesposite Appositable, LLC.  Chesposite Appositable, LLC.  Chesposite Appositable, LLC.  Chesposite Appositable, LLC.  Chesposite Appositable, LLC.  Chesposite Appositable, LLC.  Chesposite Appositable, LLC.  Chesposite Appositable, LLC.  Chesposite Appositable, LLC.  Chesposite Appositable, LLC.  Chesposite Appositable, LLC.  Chesposite Appositable, LLC.  Chesposite Appositable, LLC.  Chesposite Appositable, LLC.  Chesposite Appositable, LLC.  Chesposite Appositable, LLC.  Chemitable Sat Transmission Corporation Columbia Gas Transmission Cor
5 7.36 25-1 Gate Convelly Guy B. Patterson and A. G. Patterson, husband and wife The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Columbia Gas Transmissio
27.28.1  27.29.1  27.
Guy B. Patterson and A. G. Fatterson, husband and wife The Manufactures Light and Heat Company Columbia Gas Transmission Corporation Columbia Gas
wefe The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Columbia Gas Transmission Corporation Columbia Gas Transmission Corporation Conscious in Agentified, 1.C. Gassacate Agentified
Columbia Gas Transmission Corporation   Colu
Columbia Gas Transmission Corporation   Colu
Columbia Gas Transmission Corporation   Chesapeake Appatichia, L.L.C.   33/110   3
Columbia Gas Transmission Corporation   Chesapeake Appatichia, L.L.C.   33/110   3
Chespeake Appalachia, L.C.   SWM Production Company, Ltc   33/110
Cespepake Appatchs LLC   SWM Production Company, LLC   33/110
Care Carnelly   Care Carnelly   Care Carnelly   Care Patterson and A. G. Patterson and A. G. Patterson   12.50%   227/254   27/281   27/
Guy B   Parterson and A, G. Patterson, husband and wide   We   We   We   We   We   We   We
wide The Maninfacturers Light and Heat Company Columbia Gas Transmission Corporation Columbia Gas Transmission Corporation Columbia Gas Transmission Corporation Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C SWM Production Company, LLC Glare Cannelly Guy B Partenson and A. G. Patterson, husband and Wide The Maninfacturers Light and Heat Company Columbia Gas Transmission Corporation Columbia Matural Resources, LLC Carol J. Took Transmission Corporation Columbia Matural Resources, LLC Carol J. Sporte, A
The Manufacturers Light and Heat Company   Columbis Gas Transmission Corporation   Columbis Gas Transmission Corporation   Columbis Gas Transmission Corporation   Chesapeake Appalachia, L.L.C.   662/312   SMM Production Company, LLC   662/312   SMM Production Company, LLC   662/312   SMM Production Company, LLC   662/312   SMM Production Company, LLC   SMM Production Company   Columbis Gas Transmission Corporation   Columbis Gas Transmissio
Columbia Gas Transmission Corporation   Columbia Gas Transmission Corporation   Chesapeake Appatabis, L.L.C   SWN Production Company, LLC   33/110   662/322   662/3
Columbia Gas Transmission Corporation   Chesapeake Appalachis, L.L.C.   33/110
Columbia Gas Transmission Corporation   Chesapeake Appalachis, L.L.C.   33/110
Columbia Gas Transmission Corporation   Chesapeake Appalachis, LLC   33/110   Chesapeake Appalachis, LLC   SWN Production Company, LLC   33/110   Chesapeake Appalachis, LLC   Thook   784/346   Chesapeake Appalachis, LLC   Thook   Though Appalachis, LLC   Chesapeake Appalachis, LLC   Thook   Though Appalachis, LLC
Chesspeake Appalichip, L.L.C.  SWM Production Company, LLC  Gard Sarterson and A. G. Patterson, husband and wife and state of the Manufacturers Light and Heat Company  Columbia Gas Transmission Corporation  Columb
Guy B. Patterson and A. G. Patterson, husband and Medical Company (Columbia Gas Transmission Corporation (Columbia Gas Transmission Corporation (Columbia Gas Transmission Corporation (Columbia Gas Transmission Corporation (Columbia Gas Transmission Corporation (Columbia Gas Transmission Corporation (Columbia Gas Transmission Corporation (Columbia Gas Transmission Corporation (Columbia Gas Transmission Corporation (Columbia Gas Transmission Corporation (Columbia Gas Transmission Corporation (Chesapeake Appalachia, I.L.C. (SMW Production Company, ILC (Card.) (
Suy B. Patterson, hutshand and wife The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Columbia Gas Transmission Columbia Gas Transmission Columbia Gas Transmission Columbia Gas Transmission Columbia Gas Transmission Columbia Gas Transmission Columbia Gas Transmission Columbia Gas Transmission Columbia Gas Transmission Columbia Gas Transmission
wife The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Columbia Gas Transmission Corporation Columbia Gas Transmission Corporation Columbia Gas Transmission Corporation Columbia Gas Transmission Corporation Columbia Gas Transmission Corporation Columbia Gas Transmission Corporation Chesapeake Appalatha, L.L.C. Chesapeake Appalatha, L.L.C. Chesapeake Appalatha, L.L.C. Chesapeake Appalatha, L.L.C. Chesapeake Appalatha, L.L.C. Claudia L Raven, a murried woman dealing in her side and esparate property Chesapeake Appalatha, L.L.C. Carol J. Sperica, a widow Chesapeake Appalatha, L.L.C. Carol J. Sperica, a widow Chesapeake Appalatha, L.L.C. Carol J. Sperica, a widow Chesapeake Appalatha, L.L.C. Gall A. Barner, a Mya Gail Richardson Barner, a married woman dealing in her sole and separate property Chesapeake Appalatha, L.L.C. Carol J. Sperica, a widow Chesapeake Appalatha, L.L.C. Chesapeake Appalatha, L.L.C. Chesapeake Appalatha, L.L.C. SWN Production Company, LLC Chesapeake Appalatha, L.L.C. Chesapeake Appalatha, L.L.C. SWN Production Company, LLC Chesapeake Appalatha, L.L.C. Tr. 17.00% T84/340 T84/340 T84/340 T84/340 T84/340 Chesapeake Appalatha, L.L.C. T7.00% T84/340 Chesapeake Appalatha, L.L.C. T7.00% T84/340 Chesapeake Appalatha, L.L.C. T7.00% T84/340 Chesapeake Appalatha, L.L.C. T7.00% T84/340 Chesapeake Appalatha, L.L.C. T7.00% T84/340 Chesapeake Appalatha, L.L.C. T7.00% T84/340 Chesapeake Appalatha, L.L.C. T7.00% T84/340 Chesapeake Appalatha, L.L.C. T7.00% T84/340 Chesapeake Appalatha, L.L.C. T7.00% T84/340 Chesapeake Appalatha, L.L.C. T7.00% T84/340 Chesapeake Appalatha, L.L.C. T7.00% T84/340 Chesapeake Appalatha, L.L.C. T7.00% T84/340 Chesapeake Appalatha, L.L.C. T7.00% T84/340 Chesapeake Appalatha, L.L.C. T7.00% T84/340 Chesapeake Appalatha, L.L.C. T7.00% T84/340 Chesapeake Appalatha, L.L.C. T7.00% T84/340 Chesapeake Appalatha, L.L.C. T7.00% T84/340 Chesapeake Appalatha, L.L.C. T7.00% T84/340 Chesapeake Appalatha, L.L.C. T7.00% T84/341 Chesapeake Appalatha, L.L.C. T7.00% T84/341
Columbia Gas Transmission Corporation   422/004
Columbia Gas Transmission Corporation   422/06
Columbia Gas Transmission Corporation Columbia Gas Transmission Corporation Columbia Gas Transmission Corporation Columbia Gas Transmission Corporation 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. 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. Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Garlo I. Spence, a widow Chesapeake Appalachia, L.L.C. Gall A. Barner, a/l/s Gall Richardson Barner, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.
Columbia Gas Transmission Corporation   Chesapeake Appalachia, L.L.C.   SWN Production Company, ILC   33/110   33/110   Chesapeake Appalachia, L.L.C.   SWN Production Company, ILC   17.00%   787/304   33/110   Chesapeake Appalachia, L.L.C.   SWN Production Company, ILC   17.00%   787/304   33/110   Chesapeake Appalachia, L.L.C.   SWN Production Company, ILC   17.00%   787/304   33/110   Chesapeake Appalachia, L.L.C.   SWN Production Company, ILC   17.00%   787/304   33/110   Chesapeake Appalachia, L.L.C.   SWN Production Company, ILC   17.00%   784/305   SWN Production Company, ILC   17.00%   784/305   SWN Production Company, ILC   17.00%   784/305   SWN Production Company, ILC   17.00%   784/306   SWN Production Company, ILC   17.00%   784/306   SWN Production Company, ILC   17.00%   784/306   SWN Production Company, ILC   17.00%   784/306   SWN Production Company, ILC   17.00%   784/306   SWN Production Company, ILC   17.00%   784/306   SWN Production Company, ILC   17.00%   783/215   SWN Production Company, ILC   17.00%   783/215   SWN Production Company, ILC   17.00%   783/215   SWN Production Company, ILC   17.00%   783/215   SWN Production Company, ILC   17.00%   783/215   SWN Production Company, ILC   17.00%   783/215   SWN Production Company, ILC   17.00%   783/215   SWN Production Company, ILC   17.00%   783/215   SWN Production Company, ILC   17.00%   783/215   SWN Production Company, ILC   17.00%   783/215   SWN Production Company, ILC   17.00%   783/215   SWN Production Company, ILC   17.00%   783/215   SWN Production Company, ILC   17.00%   783/215   SWN Production Company, ILC   17.00%   783/215   SWN Production Company, ILC   17.00%   783/215   SWN Production Company, ILC   17.00%   783/215   SWN Production Company, ILC   17.00%   783/215   SWN Production Company, ILC   17.00%   783/215   SWN Production Company, ILC   17.00%   18.00%   18.00%   18.00%   18.00%   18.00%   18.00%   18.00%   18.00%   18.00%   18.00%   18.00%   18.00%   18.00%   18.00%   18.00%   18.00%   18.00%   18.00%   18.00%
Columbia Gas Transmission Corporation   Chesapeake Appalachia, L.L.C.   SWN Production Company, ILC   33/110   33/110   Chesapeake Appalachia, L.L.C.   SWN Production Company, ILC   17.00%   787/304   33/110   Chesapeake Appalachia, L.L.C.   SWN Production Company, ILC   17.00%   787/304   33/110   Chesapeake Appalachia, L.L.C.   SWN Production Company, ILC   17.00%   787/304   33/110   Chesapeake Appalachia, L.L.C.   SWN Production Company, ILC   17.00%   787/304   33/110   Chesapeake Appalachia, L.L.C.   SWN Production Company, ILC   17.00%   784/305   SWN Production Company, ILC   17.00%   784/305   SWN Production Company, ILC   17.00%   784/305   SWN Production Company, ILC   17.00%   784/306   SWN Production Company, ILC   17.00%   784/306   SWN Production Company, ILC   17.00%   784/306   SWN Production Company, ILC   17.00%   784/306   SWN Production Company, ILC   17.00%   784/306   SWN Production Company, ILC   17.00%   784/306   SWN Production Company, ILC   17.00%   783/215   SWN Production Company, ILC   17.00%   783/215   SWN Production Company, ILC   17.00%   783/215   SWN Production Company, ILC   17.00%   783/215   SWN Production Company, ILC   17.00%   783/215   SWN Production Company, ILC   17.00%   783/215   SWN Production Company, ILC   17.00%   783/215   SWN Production Company, ILC   17.00%   783/215   SWN Production Company, ILC   17.00%   783/215   SWN Production Company, ILC   17.00%   783/215   SWN Production Company, ILC   17.00%   783/215   SWN Production Company, ILC   17.00%   783/215   SWN Production Company, ILC   17.00%   783/215   SWN Production Company, ILC   17.00%   783/215   SWN Production Company, ILC   17.00%   783/215   SWN Production Company, ILC   17.00%   783/215   SWN Production Company, ILC   17.00%   783/215   SWN Production Company, ILC   17.00%   783/215   SWN Production Company, ILC   17.00%   18.00%   18.00%   18.00%   18.00%   18.00%   18.00%   18.00%   18.00%   18.00%   18.00%   18.00%   18.00%   18.00%   18.00%   18.00%   18.00%   18.00%   18.00%   18.00%
Chesapeake Appalachia, L.L.C.   SWM Production Company, LIC.   17.00%   787/304   0.00000%
Robert C. Richardson, a widower
Chespeake Appalachia, LLC   SWN Production Company, LC   17.00%   787/340
Claudis L Raven, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C.  Carol J. Spence, a widow Chesapeake Appalachia, L.L.C.  Carol J. Spence, a widow Chesapeake Appalachia, L.L.C.  Gall A. Barner, a/ly/a Gall Richardson Barner, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C.  Kathryn A. Kinsey, a widow Chesapeake Appalachia, L.L.C.  Kathryn A. Kinsey, a widow Chesapeake Appalachia, L.L.C.  John W. Chambers and Jackie Chambers, his wife Chesapeake Appalachia, L.L.C.  Chesapeake Appalachia, L.L.C.  SWN Production Company, LIC  Chesapeake Appalachia, L.L.C.  SWN Production Company, LIC  Chesapeake Appalachia, L.L.C.  Chesapeake Appalachia, L.L.C.  SWN Production Company, LIC  Chesapeake Appalachia, L.L.C.  SWN Production Company, LIC  Chesapeake Appalachia, L.L.C.  SWN Production Company, LIC  Chesapeake Appalachia, L.L.C.  SWN Production Company, LIC  Sarah Jean Chambers, a widow Chesapeake Appalachia, L.L.C.  Chesapeake Appalachia, L.L.C.  SWN Production Company, LIC  Sarah Jean Chambers, a widow Chesapeake Appalachia, L.L.C.  Chesapeake Appalachia, L.L.C.  SWN Production Company, LIC  Sarah Jean Chambers, a widow Chesapeake Appalachia, L.L.C.  Lawrence D. Chambers and Susan Chambers, his wife Chesapeake Appalachia, L.L.C.  Delora V. Gehrdes, afv/a Delora Virginia Gehrdes  Estate, by David J. Gehrdes, afv/a Delora Virginia Gehrdes  Estate, by David J. Gehrdes, acting as Administrator  Chesapeake Appalachia, L.L.C.  SWN Production Company, LIC  Sheri L. Evraets, Trustee of The Sheri L. Evraets 2010  Chesapeake Appalachia, L.L.C.  SWN Production Company, LIC  Sheri L. Evraets, Trustee of The Sheri L. Evraets 2010  Chesapeake Appalachia, L.L.C.  SWN Production Company, LIC  Sheri L. Evraets, Trustee of The Sheri L. Evraets 2010  Chesapeake Appalachia, L.L.C.  SWN Production Company, LIC  Sheri L. Evraets, Trustee of The Sheri L. Evraets 2010  Chesapeake Appalachia, L.L.C.  SWN Production Company, LIC  Sheri L. Evraets, Trustee of The Sheri
Claudis L Raven, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Carol J. Spence, a widow Chesapeake Appalachia, L.L.C. Carol J. Spence, a widow Chesapeake Appalachia, L.L.C. Carol J. Spence, a widow Chesapeake Appalachia, L.L.C. Carol J. Spence, a widow Chesapeake Appalachia, L.L.C. Carol J. Spence, a widow Chesapeake Appalachia, L.L.C. Call A. Barner, a/ly/a Gail Richardson Barner, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. Carol J. Swin Production Company, LLC Carol J. Swin Production Company, LLC Carol J. Swin Production Company, LLC Carol J. Swin Production Company, LLC Carol J. Swin Production Company, LLC J. T. 17.00% J. J. J. J. J. J. J. J. J. J. J. J. J. J
sole and separate property Chesapeake Appalachia, L.L.C. Gardi J. Spence, a widow Chesapeake Appalachia, L.L.C. Gardi J. Spence, a widow Chesapeake Appalachia, L.L.C. Gardi A. Barner, a // y Gail Rikhardson Barner, a married woman dealing in her sole and separate property Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC J 17,00%  784/340  SWN Production Company, LLC J 17,00%  784/340  SWN Production Company, LLC J 17,00%  784/340  Chesapeake Appalachia, L.L.C. J 17,00%  784/340  SWN Production Company, LLC J 17,00%  783/110  Chesapeake Appalachia, L.L.C. SWN Production Company, LLC J 17,00%  783/225  Chesapeake Appalachia, L.L.C. SWN Production Company, LLC J 17,00%  783/220  Chesapeake Appalachia, L.L.C. SWN Production Company, LLC SWN Production Company, LLC J 17,00%  SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Lawrenco D. Chambers, a widow Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Lawrenco D. Chambers and Susan Chambers, his wife 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 SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Swn L.C. SWN Production Company, LLC Swn L.C. SWN Production Company, LLC Swn L.C. SWN Production Company, LLC Swn L.C. Swn Production Company, LLC Swn L.C. Swn Production Company, LLC Swn L.C. Swn Production Company, LLC Swn Production Company, LLC Swn Production Company, LLC Swn Production Company, LLC Swn Production Company, LLC Swn Production Company, LLC Swn Production Company, LLC Swn Production Company, LLC Swn Production Company, LLC Swn Production Company, LLC Swn Production Company, LLC Swn Production Company, LLC Swn Production Company, LLC Swn Production Company, LLC Swn Production Company, LLC Swn Production Company,
Chesapeake Appalachia, L.L.C.   SWN Production Company, LLC   17.00%   784/346   Carol I. Spence, a widow   Chesapeake Appalachia, L.L.C.   SWN Production Company, LLC   33/110   Chesapeake Appalachia, L.L.C.   17.00%   784/340   Chesapeake Appalachia, L.L.C.   17.00%   784/340   Chesapeake Appalachia, L.L.C.   17.00%   784/340   Chesapeake Appalachia, L.L.C.   17.00%   784/340   Chesapeake Appalachia, L.L.C.   17.00%   784/340   Chesapeake Appalachia, L.L.C.   17.00%   784/340   Chesapeake Appalachia, L.L.C.   17.00%   784/340   Chesapeake Appalachia, L.L.C.   17.00%   784/340   Chesapeake Appalachia, L.L.C.   17.00%   784/340   Chesapeake Appalachia, L.L.C.   17.00%   784/340   Chesapeake Appalachia, L.L.C.   17.00%   784/340   Chesapeake Appalachia, L.L.C.   17.00%   783/110   Chesapeake Appalachia, L.L.C.   17.00%   783/125   Chesapeake Appalachia, L.L.C.   17.00%   783/220   Chesapeake Appalachia, L.L.C.   17.00%   783/120   Chesapeake Appalachia, L.L.C.   17.00%   1783/110   Chesapeake Appalachia, L.L.C.   17.00%   1783/110   Chesapeake Appalachia, L.L.C.   17.00%   1783/110   Chesapeake Appalachia, L.L.C.   17.00%   1783/110   Chesapeake Appalachia, L.L.C.   17.00%   1783/110   Chesapeake Appalachia, L.L.C.   17.00%   1783/110   Chesapeake Appalachia, L.L.C.   17.00%   1783/110   Chesapeake Appalachia, L.L.C.   17.00%   1783/110   Chesapeake Appalachia, L.L.C.   17.00%   1783/110   Chesapeake Appalachia, L.L.C.   17.00%   1783/110   Chesapeake Appalachia, L.L.C.   17.00%   1783/110   Chesapeake Appalachia, L.L.C.   17.00%   1783/110   Chesapeake Appalachia, L.L.C.   17.00%   1783/110   Chesapeake Appalachia, L.L.C.   17.00%   1793/110   Chesapea
Carol I, Spence, a wildow   Chesapeake Appalachia, L.L.C   17.00%   784/346   33/110   Gall A Barner, a/k/a Gall Richardson Barner, a   Chesapeake Appalachia, L.L.C   17.00%   784/340   33/110   Chesapeake Appalachia, L.L.C   17.00%   784/340   33/110   Chesapeake Appalachia, L.L.C   17.00%   784/340   33/110   Chesapeake Appalachia, L.L.C   SWN Production Company, LLC   17.00%   784/340   33/110   Chesapeake Appalachia, L.L.C   17.00%   784/344   Chesapeake Appalachia, L.L.C   17.00%   784/344   Chesapeake Appalachia, L.L.C   17.00%   784/344   Chesapeake Appalachia, L.L.C   17.00%   783/215   Chesapeake Appalachia, L.L.C   SWN Production Company, LLC   17.00%   783/215   Chesapeake Appalachia, L.L.C   17.00%   783/220   Chesapeake Appalachia, L.L.C   SWN Production Company, LLC   17.00%   783/220   Chesapeake Appalachia, L.L.C   17.00%   783/210   Chesapeake Appalachia, L.L.C   17.00%   783/210   Chesapeake Appalachia, L.L.C   17.00%   783/210   Chesapeake Appalachia, L.L.C   17.00%   183/110   Chesapeake Appalachia, L.L.C   17.00%   184/570   183/110   Chesapeake Appalachia, L.L.C   18.00%   184/570   18
Chesapeake Appalachia, L.L.C.  Gall A Barner, a Mylo Gall Richardson Barner, a married woman dealing in her sole and separate property  Chesapeake Appalachia, L.L.C.  Kathryn A. Kinsey, a widow Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC SWN Production Company, LLC John W. Chambers and Jackie Chambers, his wife Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC SWN Production Company, LLC Lisa Warnen, aly/a lasa Chambers, a single woman Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Lisa Warnen, aly/a lasa Chambers, a single woman Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Lisa Warnen, aly/a lasa Chambers, a single woman Chesapeake Appalachia, L.L.C. SWN Production Company, LLC SWN Production Company, LLC Lisa Warnen, aly/a lasa Chambers, a widow Chesapeake Appalachia, L.L.C. SWN Production Company, LLC SWN Production Company, LLC Lawrence D. Chambers and Susan Chambers, his wife 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 SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Swn LCC SWN Production Company, LLC Swn LCC SWN Production Company, LLC Swn Production Company, LLC Stephen W. Burge Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Stephen W. Burge 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 Swn Production Company, LLC Swn Production Company, LLC Swn Production Company, LLC Swn Production Company, LLC Swn Production Company, LLC Swn Production Company, LLC Swn Production Company, LLC Swn Production Company, LLC Swn Production Company, LLC Swn Production Company, LLC Swn Production Company, LLC Swn Production Company, LLC Swn Production Company, LLC Swn Product
Gall A. Barner, a/l/4 Gall Richardson Barner, a married woman dealing in her sole and separate property   SWN Production Company, LLC   SWN Production Company, LLC   17.00%   784/340   33/110   17.00%   17.00
married woman dealing in her sole and separate property Chesspeake Appalachia, L.L.C. Karthryn A. Kinsey, a widow Chesspeake Appalachia, L.L.C. John W. Chambers and Jackie Chambers, his wife Chesspeake Appalachia, L.L.C. John W. Chambers and Jackie Chambers, his wife Chesspeake Appalachia, L.L.C. Lisa Warren, a/k/a Lisa Chambers, a single woman Chesspeake Appalachia, L.L.C. SWN Production Company, LIC Jisa Warren, a/k/a Lisa Chambers, a single woman Chesspeake Appalachia, L.L.C. SWN Production Company, LIC Jisa Warren, a/k/a Lisa Chambers, a single woman Chesspeake Appalachia, L.L.C. SWN Production Company, LIC Sarah Jean Chambers, a widow Chesspeake Appalachia, L.L.C. SWN Production Company, LIC Jisa Warren, a/k/a Lisa Chambers, his wife Chesspeake Appalachia, L.L.C. SWN Production Company, LIC Jisa Warren, a/k/a Lisa Chambers, his wife Chesspeake Appalachia, L.L.C. SWN Production Company, LIC Debora V. Gehrdes, a/k/a Debora Virginia Gehrdes Estate, by David J. Gehrdes, acting as Administrator Chesspeake Appalachia, L.L.C. SWN Production Company, LIC Sheri L. Evraets, Tusice of The Sheri L. Evraets 2010 Chesspeake Appalachia, L.L.C. SWN Production Company, LIC Sheri L. Evraets, Tusice of The Sheri L. Evraets 2010 Chesspeake Appalachia, L.L.C. SWN Production Company, LIC Stephen W. Burge Chesspeake Appalachia, L.L.C. SWN Production Company, LIC Stephen W. Burge Chesspeake Appalachia, L.L.C. SWN Production Company, LIC Jisa Marke Rush, widow Chesspeake Appalachia, L.L.C. SWN Production Company, LIC Jisa Marke Rush, widow Chesspeake Appalachia, L.L.C. SWN Production Company, LIC Jisa Marke Rush, widow Chesspeake Appalachia, L.L.C. SWN Production Company, LIC Jisa Marke Rush, widow Chesspeake Appalachia, L.L.C. Jisa Marke Rush, widow Chesspeake Appalachia, L.L.C. SWN Production Company, LIC Jisa Marke Rush, widow Chesspeake Appalachia, L.L.C. Jisa Marke Rush, widow Chesspeake Appalachia, L.L.C. Jisa Marke Rush, widow Chesspeake Appalachia, L.L.C. Chesspeake Appalachia, L.L.C. Chesspeake Appalachia, L.L.C. Chesspea
married woman dealing in her sole and separate property Chesspeake Appalachia, L.L.C. Karthryn A. Kinsey, a widow Chesspeake Appalachia, L.L.C. John W. Chambers and Jackie Chambers, his wife Chesspeake Appalachia, L.L.C. John W. Chambers and Jackie Chambers, his wife Chesspeake Appalachia, L.L.C. Lisa Warren, a/k/a Lisa Chambers, a single woman Chesspeake Appalachia, L.L.C. SWN Production Company, LIC Jisa Warren, a/k/a Lisa Chambers, a single woman Chesspeake Appalachia, L.L.C. SWN Production Company, LIC Jisa Warren, a/k/a Lisa Chambers, a single woman Chesspeake Appalachia, L.L.C. SWN Production Company, LIC Sarah Jean Chambers, a widow Chesspeake Appalachia, L.L.C. SWN Production Company, LIC Jisa Warren, a/k/a Lisa Chambers, his wife Chesspeake Appalachia, L.L.C. SWN Production Company, LIC Jisa Warren, a/k/a Lisa Chambers, his wife Chesspeake Appalachia, L.L.C. SWN Production Company, LIC Debora V. Gehrdes, a/k/a Debora Virginia Gehrdes Estate, by David J. Gehrdes, acting as Administrator Chesspeake Appalachia, L.L.C. SWN Production Company, LIC Sheri L. Evraets, Tusice of The Sheri L. Evraets 2010 Chesspeake Appalachia, L.L.C. SWN Production Company, LIC Sheri L. Evraets, Tusice of The Sheri L. Evraets 2010 Chesspeake Appalachia, L.L.C. SWN Production Company, LIC Stephen W. Burge Chesspeake Appalachia, L.L.C. SWN Production Company, LIC Stephen W. Burge Chesspeake Appalachia, L.L.C. SWN Production Company, LIC Jisa Marke Rush, widow Chesspeake Appalachia, L.L.C. SWN Production Company, LIC Jisa Marke Rush, widow Chesspeake Appalachia, L.L.C. SWN Production Company, LIC Jisa Marke Rush, widow Chesspeake Appalachia, L.L.C. SWN Production Company, LIC Jisa Marke Rush, widow Chesspeake Appalachia, L.L.C. Jisa Marke Rush, widow Chesspeake Appalachia, L.L.C. SWN Production Company, LIC Jisa Marke Rush, widow Chesspeake Appalachia, L.L.C. Jisa Marke Rush, widow Chesspeake Appalachia, L.L.C. Jisa Marke Rush, widow Chesspeake Appalachia, L.L.C. Chesspeake Appalachia, L.L.C. Chesspeake Appalachia, L.L.C. Chesspea
property   Chesapeake Appalachia, L.L.C.   SWN Production Company, LIC   33/110   33/110   33/110   Swn Production Company, LLC   17.00%   784/334   33/110   33/11
Chesapeake Appalachia, L.L.C.   SWN Production Company, LLC   17.00%   784/34
Kathyn A. Kinsey, a widow   Chesapeake Appalachia, L.L.C   17.00%   784/334
Chesapeake Appalachia, L.L.C.   SWN Production Company, LLC   17.00%   783/215
John W. Chambers and Jackie Chambers, his wife   Chesapeake Appalachia, L.L.C.   17.00%   783/225
John W. Chambers and Jackie Chambers, his wife   Chesapeake Appalachia, L.L.C.   17.00%   783/225
Lisa Warren, a/k/a Lisa Chambers, a single woman   Chesapeake Appalachia, L.L.C.   17.00%   783/220
Lisa Warren, a/k/a Lisa Chambers, a single woman   Chesapeake Appalachia, L.L.C.   17.00%   783/220
Lisa Warren, a/k/a Lisa Chambers, a single woman   Chesapeake Appalachia, L.L.C.   17.00%   783/220
Chesapeake Appalachia, L.L.C.   SWN Production Company, LLC   33/110
Sarah Jean Chambers, a widow   Chesapeake Appalachia, L.L.C   17.00%   783/215
Sarah Jean Chambers, a widow   Chesapeake Appalachia, L.L.C   17.00%   783/215
Chesapeake Appalachia, LLC.   SWN Production Company, LIC   33/110
Chesapeake Appalachia, LL.C.   SWN Production Company, LLC   33/110
Lawrence D. Chambers and Susan Chambers, his wife   Chesapeake Appalachia, L.L.C.   17.00%   783/211   Wife   Chesapeake Appalachia, L.L.C.   SWN Production Company, LLC   33/110   Chesapeake Appalachia, L.L.C.   17.00%   793/257   Chesapeake Appalachia, L.L.C.   17.00%   793/257   Chesapeake Appalachia, L.L.C.   17.00%   793/257   Chesapeake Appalachia, L.L.C.   17.00%   18.00%   19.00%   19.00%   19.00%   19.00%   17.0
w/fe         Chesapeake Appalachia, L.L.C.         SWN Production Company, LLC         33/110           Debra V. Gehrdes, a/k/a Delora Virginia Gehrdes         Chesapeake Appalachia, L.L.C.         17.00%         798/257           Estate, by David I. Gehrdes, acting as Administrator         Swn Production Company, LLC         33/110           Chesapeake Appalachia, L.L.C.         SWN Production Company, LLC         33/110           Sheri L. Evraets, Trustee of the Sheri L. Evraets 2010         Chesapeake Appalachia, L.L.C.         18.00%         840/268           Trust, dated December 29, 2010         Chesapeake Appalachia, L.L.C.         5WN Production Company, LLC         35/32           Stephen W. Burge         Chesapeake Appalachia, L.L.C.         17.00%         841/570           Chesapeake Appalachia, L.L.C.         SWN Production Company, LLC         35/32           June Marie Rush, widow         Chesapeake Appalachia, L.L.C.         15.00%         346/245           Gall Cumpston, J.L.C.         SWN Production Company, LLC         15.00%         346/245           Gall Cumpston Porter, (Full Scall Cumpston, a Chesapeake Appalachia, L.L.C.         17.00%         707/124         0.0000%
Chesapeake Appalachia, L.L.C.   SWN Production Company, LLC   33/110
Debra V. Gehrdes, a/k/A Debra Virginia Gehrdes   Estate, by David J. Gehrdes, acting as Administrator   Chesapeake Appalachia, L.L.C.   17.00%   798/257
Estate, by David J. Gehrdes, acting as Administrator   Chesapeake Appalachia, L.L.C.   SWN Production Company, LLC.   18.00%   33/110     Sheri L. Evraets, Trustee of The Sheri L. Evraets 2010   Chesapeake Appalachia, L.L.C.   18.00%   840/268     Trust, dated December 29, 2010   Chesapeake Appalachia, L.L.C.   18.00%   35/32     Chesapeake Appalachia, L.L.C.   SWN Production Company, LLC   35/32     Stephen W. Burge   Chesapeake Appalachia, L.L.C.   17.00%   841/570     Stephen W. Burge   Chesapeake Appalachia, L.L.C.   17.00%   346/245     Jiune Marie Riush, widow   Chesapeake Appalachia, L.L.C.   15.00%   346/245     Chesapeake Appalachia, L.L.C.   SWN Production Company, LLC   15.00%   346/245     Chesapeake Appalachia, L.L.C.   17.00%   707/124   0.0000%   18.00000%   18.0000%   18.00000%   18.00000%   18.00000%   18.00000%   18.00000%   18.000000%   18.000000%   18.000000%   18.000000%   18.000000%   18.000000000%   18.000000000000000000000000000000000000
Chesapeake Appalachia, L.L.C.   SWN Production Company, LLC   33/110
Sheri L. Evraets, Trustee of The Sheri L. Evraets 2010   Chesapeake Appalachia, L.L.C.   18.00%   940/268
Sheri L. Evraets, Trustee of The Sheri L. Evraets 2010   Chesapeake Appalachia, L.L.C.   18.00%   840/268
Sheri L. Evraets, Trustee of The Sheri L. Evraets 2010   Chesapeake Appalachia, L.L.C.   18.00%   840/268
Trust, dated December 29, 2010  Chesapeake Appalachia, L.L.C. SWN Production Company, LLC. Stephen W. Burge Chesapeake Appalachia, L.L.C. SWN Production Company, LLC. SWN Production Company, LLC. SWN Production Company, LLC. June Marie Rush, widow Chesapeake Appalachia, L.L.C. SWN Production Company, LLC. SWN Production Company, LLC. SWN Production Company, LLC. JS.00% 846/245 SWN Production Company, LLC. SWN Productio
Chesapeake Appalachia, L.L.C.   SWN Production Company, LLC   35/32
Stephen W. Burge   Chesapeake Appalachia, L.L.C.   17.00%   841/570   Chesapeake Appalachia, L.L.C.   17.00%   841/570   Chesapeake Appalachia, L.L.C.   35/32   June Marie Rush, widow   Chesapeake Appalachia, L.L.C.   15.00%   346/245   Chesapeake Appalachia, L.L.C.   15.00%   346/245   Chesapeake Appalachia, L.L.C.   35/32   SWN Production Company, LL.C.   35/32   35/32   Chesapeake Appalachia, L.L.C.   17.00%   707/124   0.0000%   17.00
Stephen W. Burge   Chesapeake Appalachia, L.L.C.   17.00%   841/570   Chesapeake Appalachia, L.L.C.   17.00%   841/570   Chesapeake Appalachia, L.L.C.   35/32   June Marie Rush, widow   Chesapeake Appalachia, L.L.C.   15.00%   346/245   Chesapeake Appalachia, L.L.C.   15.00%   346/245   Chesapeake Appalachia, L.L.C.   35/32   SWN Production Company, LL.C.   35/32   35/32   Chesapeake Appalachia, L.L.C.   17.00%   707/124   0.0000%   17.00
Chesapeake Appalachia, L.L.C.   SWN Production Company, LLC   35/32     June Marie Rush, widow   Chesapeake Appalachia, L.L.C.   15.00%   846/245     Chesapeake Appalachia, L.L.C.   SWN Production Company, LLC   35/32     7-19-20   Gail Cumpston Porter, f/k/a Gail Cumpston, a   Chesapeake Appalachia, L.L.C.   17.00%   707/124   0.0000%
June Marie Rush, widow   Chesspeake Appalachia, L.L.C   15.00%   946/245
June Marie Rush, widow   Chesspeake Appalachia, L.L.C   15.00%   946/245
Chesapeake Appalachia, L.L.C.
9 7-19-20 Gail Cumpston Porter, f/k/a Gail Cumpston, a Chesapeake Appalachia, L.L.C. 17.00% 707/124 0.0000%
э 7-15-20 Gen-Cumpston Porter, гук/а Gan Cumpston, а   Cnesapeake Appalachia, L.L.C.   17.00%   707/124   0.0000%
married woman dealing in her sole and separate
property
Chesapeake Appalachia, L.I.C. SWN Production Company, LLC 33/110
Martha Kaye Hill, a married woman dealing in her Chesapeake Appalachia, L.L.C. 12.50% 659/277
sole and separate property
Chesapeake Appalachia, L.L.C. SWN Production Company, LLC 33/110
Chesapeake Appalachia, L.L.C. SWN Production Company, LLC 33/110  Robert Brent Koontz, a married man dealing in his Chesapeake Appalachia, L.L.C. 1250% 659/280
Chesapeake Appalachia, LL.C. SWN Production Company, LLC 33/110 Robert Brent Koontz, a married man dealing in his sole and separate property 65/280 sole and separate property
Chesapeake Appalachia, Li.C. SWN Production Company, LIC 33/110  Robert Brent Koontz, a married man dealing in his sole and separate property 65/280  sole and separate property
Chesapeake Appalachia, L.L.C. SWN Production Company, LLC 33/110 Robert Brent Koontz, a married man dealing in his sole and separate property  Chesapeake Appalachia, L.L.C. 12.50% 658/280

RECEIVED

RED bits of Oil and Gas

JUL 1 4 2022

W/V Department of Environmental Protection



#### 4710303519

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

June 27, 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: Vernon Johnson WTZ 201H in Wetzel County, West Virginia, Drilling under Reid Ridge Road, 74, 74/2, Fish Creek Road, Amos Hollow Road, Rice Ridge Road, Burley Lane, and US-250.

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 Reid Ridge Road, 74, 74/2, Fish Creek Road, Amos Hollow Road, Rice Ridge Road, Burley Lane, and US-250. 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,

Bradley Wilson Senior Landman

SWN Production Company, LLC

Office of Oil and Gas

JUL 1 4 2022

UV Department of Environmental Protection

R- W+

The Right People doing the Right Things, wisely investing the cash flow from our underlying Asset 8/526/2022

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

Date of Notice Certification:				API No. 47- 009 -				
	1.		Operator's	Well No. Vernon Johnson WTZ 201H				
			Well Pad I	Name: Vernon Johnson WTZ				
Notice has I								
Pursuant to th	ne provisions in West Virginia Code § 3	22-6A, the Operator has pro	vided the re	quired parties with the Notice Forms listed				
below for the	tract of land as follows:							
State:	West Virginia	UTM NAD 83	Easting:	538,929.144				
County:	103-Wetzel	O IWI NAD 83	Northing:	4,396,557.562				
District:	Clay	Public Road Ac	cess:	Rice Ridge Road				
Quadrangle:	Littleton	Generally used	farm name:	Vernon Johnson				
Watershed:	West Virginia Fork Fish Creek							
prescribed by	the secretary, shall be verified and sha	all contain the following inf	ormation: (1	is section shall be on a form as may be 4) A certification from the operator that (i) section (b) section ten of this article the				

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

that the Operator has properly served the require *PLEASE CHECK ALL THAT APPLY		OOG OFFICE USE ONLY
☐ 1. NOTICE OF SEISMIC ACTIVITY or	■ NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED	RECEIVED/ NOT REQUIRED
2. NOTICE OF ENTRY FOR PLAT SURV	YEY or NO PLAT SURVEY WAS CONDUCTED	☐ RECEIVED
3. NOTICE OF INTENT TO DRILL or	NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or	RECEIVED/ NOT REQUIRED
	☐ WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)	
4. NOTICE OF PLANNED OPERATION	1 4 3 - 3 - 3	☐ RECEIVED
5. PUBLIC NOTICE	JUL 1 4 2022	☐ RECEIVED
6. NOTICE OF APPLICATION	JUL 1 Department of Protection	☐ RECEIVED

Required Attachments:

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

#### Certification of Notice is hereby given:

THEREFORE, [ 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

By: Brittany Woody

Its: Senior Regulatory Telephone: 304-884-1610

Address:

1300 Fort Pierpont Dr., Suite 201

Morgantown, WV 26508

Facsimile:

Email: Brittany Woody@swn.com

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

Subscribed and sworn before me this 1st day of June,

Notary Public

My Commission Expires

Oil and Gas Privacy Notice:

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

JUL 1 4 2022

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

#### 4710303519

API NO. 47- 009

OPERATOR WELL NO. Vermon Johnson W1Z 201H

Well Pad Name: Vernon Johnson WTZ

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

Notice Time Requir	rement: notice shall be prov	ided no later than the filing date of permit application.	
A STATE OF THE STA	Date Permit Applica	tion Filed: 1	
Notice of:			
✓ PERMIT FOR	ANY CERTIF	ICATE OF APPROVAL FOR THE	
WELL WORK	CONST	RUCTION OF AN IMPOUNDMENT OR PIT	
Delivery method pu	rsuant to West Virginia C	ode § 22-6A-10(b)	
PERSONAL	☑ REGISTERED	☐ METHOD OF DELIVERY THAT REQUIRES A	
SERVICE	MAIL	RECEIPT OR SIGNATURE CONFIRMATION	
the surface of the trac oil and gas leasehold described in the erosic operator or lessee, in to more coal seams; (4) well work, if the surfa impoundment or pit as have a water well, spr provide water for com- proposed well work as subsection (b) of this records of the sheriff provision of this articl Code R. § 35-8-5.7.a	t on which the well is or is probeing developed by the proportion and sediment control plan the event the tract of land on The owners of record of the sace tract is to be used for the passes described in section nine of ing or water supply source locativity is to take place. (c)(1) section hold interests in the larequired to be maintained purelet to the contrary, notice to a requires, in part, that the ope	this article, and the well plat to each of the following persons: oposed to be located; (2) The owners of record of the surface to sed well work, if the surface tract is to be used for roads or oth submitted pursuant to subsection (c), section seven of this article; which the well proposed to be drilled is located [sic] is known urface tract or tracts overlying the oil and gas leasehold being oblacement, construction, enlargement, alteration, repair, remove this article; (5) Any surface owner or water purveyor who is known at the summary of the center of the stic animals; and (6) The operator of any natural gas storage fill more than three tenants in common or other co-owners of in ands, the applicant may serve the documents required upon the suant to section eight, article one, chapter eleven-a of this code lien holder is not notice to a landowner, unless the lien holder is rator shall also provide the Well Site Safety Plan ("WSSP") to and water testing as provided in section 15 of this rule.	ract or tracts overlying the ser land disturbance as sele; (3) The coal owner. to be underlain by one or developed by the proposed all or abandonment of any nown to the applicant to e well pad which is used to eld within which the terests described in person described in the e. (2) Notwithstanding any is the landowner, W. Va.
☑ Application Noti	ce ☑ WSSP Notice ☑ E&	&S Plan Notice ☑ Well Plat Notice is hereby provided	to:
☑ SURFACE OWNE	ER(s)	☑ COAL OWNER OR LESSEE	
Name: Vernon Johnson		Name: Reserve Coal Properties Co. Attn: Casey Saur	ders
Address: 11895 Amy Dri	ive	Address: 275 Technology Drive	
La Plata, MD 20646		Canonsburg, PA 15317	MEGEN/ED,
Name:		COAL OPERATOR	Office of Oil and Gas
Address:		Name: Address:	101 1 4 2022
TI SURFACE OWNE	ER(s) (Road and/or Other Di	sturbance)	JOL 1 4 COLL
	on the contract of the contrac		L WW Department of
			Envirunmental Protectio
		Name of Sea Attachment 124	
Address:			
		☐ OPERATOR OF ANY NATURAL GAS	S STORAGE FIELD
	ER(s) (Impoundments or Pits	Value of the second of the sec	
Name:		Address: Houston Office Bank of America 700 Louisi Houston, TX 77002	ana St
Address:		Houston, IX //UU2	36
		*Please attach additional forms if necessar	У

API NO. 47-009

OPERATOR WELL NO. Vormon Jahnson WTZ 201H

Well Pad Name: Vernon Johnson WTZ

Notice is hereby given:

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

#### This Notice Shall Include:

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

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

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

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

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

### Well Location Restrictions

Pursuant to W. Va. Code § 22-6A-12. Wells may not be drilled within two hundred fifty feet measured horizontally from any existing water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided, whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements. (b) No well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No well pad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the department shall be measured as follows: (1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the lake or reservoir. (2) For a surface water intake on a flowing stream, the distance shall be measured from a semicircular radius extending upstream of the surface water intake. (3) For a groundwater source, the distance shall be measured from the wellhead or spring. The department may, in its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. 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

OPERATOR WELL NO. Vernon Johnson WTZ 201H Well Pad Name: Vernon Johnson WTZ

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

Water Well Testing:

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

### Water Testing Laboratories:

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

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

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

### Written Comment:

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

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

FIECEIVED Office of Oil and Gas

JUL 1 4 2022

MV Department of

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

4710303519

OPERATOR WELL NO. Vermon Johnson WTZ 201H
Well Pad Name: Vermon Johnson WTZ

Time Limits and Methods for Filing Comments.

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

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

Comment Requirements

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

Disclaimer: All comments received will be placed on our web site <a href="http://www.dep.wv.gov/oil-and-gas/Horizontal-Permits/Pages/default.aspx">http://www.dep.wv.gov/oil-and-gas/Horizontal-Permits/Pages/default.aspx</a> 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.

JUL 1 4 2022

Environmental Protection

47103035

OPERATOR WELL NO. Vernon Johnson WTZ 201H Well Pad Name: Vernon Johnson WTZ

Notice is hereby given by:

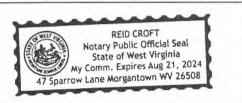
Well Operator: SWN Production Co., LLC

Telephone: 304-884-1610 Email: Brittany\_Woody@swn.com 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 depprivacyofficer@wv.gov.

My Commission Expires



Subscribed and sworn before me this 15+ Notary Public 8/21/2024

JUL 1 4 2022

WV Department of Environmental Protection

## Vernon Johnson Pad - Water Purveyors w/in 1500'

**Sources** 

Landowner

**Address** 

Vernon S. Johnson Estate/ C/O Gary W. Draheim

11895 Amy Drive, La Plata MD 26046 1 well

RECEIVED
Office of Oil and Gas

JUL 1 4 2022

WV Department of Environmental Protection

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

Notice Time entry	Requirement:			least SEVEN (7) da	ys but no more tha	n FORTY-FIVE	(45) days pr	ior to
Date of Noti	ce: 5/18/2022	Date of Pla	nned E	ntry: 5/25/2022	1			
Delivery me	thod pursuant (	o West Virginia C	ode § 2	2-6A-10a				
☐ PERSO	NAL.	REGISTERED		METHOD OF DEI	IVERY THAT RE	EOUIRES A		
SERVIO		MAIL		RECEIPT OR SIGN				
on to the surf but no more to beneath such owner of min and Sedimen Secretary, whenable the su Notice is her SURFAC Name: Vernon Address: 1188	Pace tract to condition forty-five ditract that has fill tract that has fill tract that has fill tract underlying to Control Manualich statement shreace owner to one to provided to CE OWNER(s) Johnson  25 Amy Drive	luct any plat survey: ays prior to such en- ed a declaration pur such tract in the co- l and the statutes an all include contact btain copies from the	s require try to: ( suant to unty tax d rules informa	Name: Res	rticle. Such notice r of such tract; (2) rticle six, chapter t e shall include a st s exploration and p ddress for a web pa  L OWNER OR LE serve Coal Properties Co. 275 Technology Drive Suit	shall be provided a to any owner or le wenty-two of this atement that copie production may be age on the Secreta	at least sever essee of coal code; and (3 s of the state obtained fro	n days seams any Erosion om the
La Plata, MD 2064	16			Canonsburg, I	PA 15317-9656			
Address:					ERAL OWNER(s)			
					P Fund III, LP			
Name:			-	The state of the s	225 Ross Street, Suite 201	1		
Address:				Pittsburgh, PA				
			-	*piease attno	h additional forms if ne	cessary		
			otice is	Approx, Latit Public Road A Watershed: Generally use	ude & Longitude: Access:	39.717777, -80.545950 Rice Ridge Road West Virginia Fork Fish Vernon Johnson WTZ		conduct
may be obtain Charleston, Wobtained from	reby given by:  SWN PRODUCTI	retary, at the WV D 926-0450). Copies y visiting <u>www_dep</u>	epartme of such	l and the statutes and ant of Environmenta documents or additions and eas/pages/t	I Protection headque ional information of the lefault aspx.  1300 Fort Pierpont Dr., 3	uarters, located at elated to horizonta Suite 201	601 57 <sup>th</sup> Stre Il drilling ma Office c	eet, SE,
	304-884-1610			The section of	Morgantown, WV 26508			
Email:	brittany_woody@s	swn.com		Facsimile:			WVDe	parlment of htal Protection
Oil and Cos	Privam Natio	20.					Ziji (tili) S	11001110100110

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 departvaevol ficerarwy gov.

WW-6A3 (1/12)

4710303519

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

entry			vided at least SEVEN (7) d	ays but no more tha	n FORIY-FIVE (43	) days prior to
Date of Noti	ce: 5/18/2022	Date of Pla	nned Entry: 5/25/2022	-		
Delivery me	thed pursuant	to West Virginia C	ode § 22-6A-10a			
☐ PERSO	NAL 🔳	REGISTERED	☐ METHOD OF DE	LIVERY THAT RI	EQUIRES A	
SERVIO		MAIL		NATURE CONFIR		
on to the surf but no more beneath such owner of mir and Sedimen Secretary, when enable the su	ace tract to cond than forty-five d tract that has fil- erals underlying t Control Manua- tich statement sl rface owner to con-	duct any plat survey ays prior to such en led a declaration pur g such tract in the co al and the statutes ar hall include contact obtain copies from the	Prior to filing a permit appl s required pursuant to this a try to: (1) The surface own rsuant to section thirty-six, ounty tax records. The noti- nd rules related to oil and ga information, including the the secretary.	article. Such notice er of such tract; (2) article six, chapter to ce shall include a st as exploration and p	shall be provided at le to any owner or lesse wenty-two of this coc atement that copies of production may be obtained.	east seven days e of coal seams le; and (3) any the state Erosion ained from the
Notice is her	eby provided to	0:				
	CE OWNER(s)			L OWNER OR LE	ESSEE	
Name:			Name:			
Address:			Address:			
Name!						
Address:			L MIN	ERAL OWNER(s)		
Vama			Name: Al	ce M. Aberegg		
Address:			Address: Elyria, OH 44	560 University Avenue	1	
				ch additional forms if ne	ocessary	
Pursuant to V	reby given: /est Virginia Co on the tract of la wv	ode § 22-6A-10(a), r and as follows:	notice is hereby given that t Approx. Lati	he undersigned wel tude & Longitude:	l operator is planning	entry to conduct
County:	Wetzel		Public Road	Access:	Rice Ridge Road	
District:			Watershed:		West Virginia Fork Fish Cre	ek
Quadrangle:	Littleton		Generally us	ed farm name:	Vernon Johnson WTZ	
may be obtain Charleston, V	ned from the Sec VV 25304 (304-	cretary, at the WV E 926-0450). Copies	Manual and the statutes are Department of Environment of such documents or additional gov/oil-and-gas/pages/	al Protection headquional information r	uarters, located at 601	57th Street, SE,
Votice is he	reby given by:					REGEIVED Office of Oil and G
Well Operato	SWN PRODUCT	ION COMPANY, LLC	Address:	1300 Fort Pierpont Dr.,	Suite 201	Cities of on a tol to
elephone:	304-884-1610			Morgantown, WV 26508		JUL 1 4 2022
Email:	brittany_woody@	swn.com	Facsimile:			150 · F
Cast and the						Environmental Protect
Dil and Gas	Privacy Notic	ce:				

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 we gov.

4710303519

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

PERSONAL SERVICE  Pursuant to West on to the surface but no more than	l pursuant to West Virginia C L REGISTERED MAIL	ode § 22-6A-10a  METHOD OF DE			
SERVICE  Pursuant to West on to the surface but no more than		☐ METHOD OF DE			
on to the surface but no more than		RECEIPT OR SIG			
owner of mineral and Sediment Co Secretary, which enable the surface	Virginia Code § 22-6A-10(a), I tract to conduct any plat survey forty-five days prior to such ent that has filed a declaration pur s underlying such tract in the control Manual and the statutes ar statement shall include contact e owner to obtain copies from the	s required pursuant to this a try to: (1) The surface owner suant to section thirty-six, a bunty tax records. The notice of rules related to oil and gat information, including the a	rticle. Such notice ser of such tract; (2) article six, chapter to shall include a state sexploration and p	shall be provided at to any owner or les wenty-two of this c atement that copies roduction may be o	least seven days see of coal seams ode; and (3) any of the state Erosion obtained from the
Notice is hereby		Поод	L OWNER OR LE	ecer	
LI SURFACE (					
Name:		Name:			-
	to the control of	Address.			
Name:			3-1-7-1-7-3		
Address:		III MIN	ERAL OWNER(s)		
		Name: Ell-	en Aberegg /		
Name:		Address:			
Address.			h additional forms if ne	APECATU.	_
a plat survey on the State: wv	Virginia Code § 22-6A-10(a), n he tract of land as follows:	Approx. Latin	ude & Longitude:	operator is planning 39.717777, -80.545950	ng entry to conduct
District: Cla	y		100033.	West Virginia Fork Fish C	Creek
Quadrangle: Little	eton		d farm name.	Vernon Johnson WTZ	
may be obtained to Charleston, WV obtained from the	e Erosion and Sediment Control from the Secretary, at the WV D 25304 (304-926-0450). Copies Secretary by visiting www.dep	epartment of Environmenta of such documents or addit	d Protection headquional information re	arters, located at 6	01 57th Street, SE, drilling may be
Notice is hereby		A 23	ALLES TO AND THE STATE OF		Office of Oil and Ca.
TT 1 1 -	SWN PRODUCTION COMPANY, LLC 304-884-1610	Address:	1300 Fort Pierpont Dr., S	Suite 201	JUL 1 4 2022
Two of the	oritany_woody@swn.com	Facsimile:	Morgantown, WV 26508		
		i dosimile.			Environmental Protection

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 depprivacyothcenawy gov.

08/26/2022

## 4710303519

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

Notice is he Well Operato Telephone: Email:	304-884-1610 brittany_woody@	swn.com	Facsimile:	Morgantown, WV 26508	3	JUL 1 4 2022
Well Operato	350000000000000000000000000000000000000			Momantown WW 26506	3	1111 1 1 2022
	reby given by	ON COMPANY, LLC	Address:	1300 Fort Pierpont Dr.,	Suite 201	TRECEIVED Office of Oil and Gar
may be obtain Charleston, V	ned from the Sec VV 25304 (304- 1 the Secretary b	cretary, at the WV E 1926-0450). Copies y visiting www.dep	Manual and the statutes an Department of Environments of such documents or additional gov/oil-and-gas/pages/	al Protection headq ional information r	uarters, located a	at 601 57 <sup>th</sup> Street, SE, ttal drilling may be
Quadrangle:	Littleton		Generally use	ed farm name:	Vernon Johnson WTZ	2
District:	Clay		Watershed:	41	West Virginia Fork Fi	
County:	Wetzel		DATE DOLL		Rice Ridge Road	
Pursuant to V	reby given: Vest Virginia Co on the tract of la wv		notice is hereby given that the	ne undersigned wel	l operator is plan 39.717777, -80.5459	
			*please attac	sh additional forms if no	ecessary	
Address:			Elyria, OH 44			
			Name: Jan	mes Joseph Aberegg		
Name: Address:			■ MIN	ERAL OWNER(s)		
			_			
Name:			Name:			_
	CE OWNER(s)			L OWNER OR LE		
Notice is her	reby provided to	<b>3:</b>				
on to the surf but no more to beneath such owner of min and Sediment Secretary, wh	Face tract to cond than forty-five d tract that has fill terals underlying t Control Manua nich statement sl	luct any plat survey, ays prior to such en- ed a declaration pur such tract in the co Il and the statutes an	Prior to filing a permit appli s required pursuant to this a try to: (1) The surface owner suant to section thirty-six, a punty tax records. The notion and rules related to oil and gas information, including the a ne secretary.	rticle. Such notice er of such tract; (2) article six, chapter t be shall include a st as exploration and p	shall be provided to any owner or wenty-two of thi atement that copi production may b	I at least seven days lessee of coal seams s code; and (3) any ies of the state Erosion e obtained from the
		***************************************				Control of any
PERSO SERVIC	1,1-0.0	REGISTERED MAIL	☐ METHOD OF DE			
Delivery me	thod pursuant t	to West Virginia C	ode § 22-6A-10a			
Date of Noti	ce: 5/18/2022	Date of Plan	nned Entry: 5/25/2022			
			nned Entry: 5/25/2022	-		

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 deprivacy officer and your personal information.

WW-6A3 (1/12)

## GINIA 47103.03519

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

	Requirement	Notice shall be prov	ided at	least SEVEN (7) da	ys but no more tha	n FORTY-FIVE	(45) days prior to
entry Date of Noti	ce: 5/18/2022	Date of Plan	ned E	ntry: 5/25/2022			
Delivery me	thod pursuant	to West Virginia Co	ode § 2	2-6A-10a			194
☐ PERSO	NAL T	REGISTERED		METHOD OF DE	LIVERY THAT R	EQUIRES A	
SERVIC		MAIL		RECEIPT OR SIG			
on to the surf but no more to beneath such owner of min and Sediment Secretary, wh	ace tract to conthan forty-five tract that has for the tract that has for the track underlying to the track that the track tha	code § 22-6A-10(a), Paduct any plat surveys days prior to such entitled a declaration puring such tract in the conal and the statutes an shall include contact to obtain copies from the	requir ry to: ( suant to unty ta: d rules informa	red pursuant to this a 1) The surface owner to section thirty-six, a ext records. The notice related to oil and gation, including the a	rticle. Such notice er of such tract; (2) article six, chapter to be shall include a state as exploration and p	shall be provided to any owner or I twenty-two of this atement that copio production may be	at least seven days essee of coal seams code; and (3) any es of the state Erosion e obtained from the
Notice is her	eby provided	to:					8
☐ SURFAC	CE OWNER(s)			□ coa	L OWNER OR LE	ESSEE	
Address:				Address:			=,
Name:			-				
Address:					ERAL OWNER(s)		
Nama			9		an Franklin Butler		
Address				Address: Bunkerhill, W	108 Quarter Drive		
			4		ch additional forms if no	ecessary	
	Vest Virginia C on the tract of W Wetzel Clay	ode § 22-6A-10(a), n land as follows:		Approx. Latit Public Road a Watershed:	ude & Longitude: Access:	39.717777, -80.54595 Rice Ridge Road West Virginia Fork Fis	h Creek
Quaurangie.	Littleton			Generally use	d farm name:	Vernon Johnson WTZ	
may be obtain Charleston, W	ned from the Se V 25304 (304	and Sediment Control ecretary, at the WV D 1-926-0450). Copies by visiting <u>www.dep</u>	epartm of such	ent of Environments documents or addit	d Protection headq ional information r	uarters, located at	601 57th Street, SE,
	reby given by						RECEIVED Office of Oil and Gas
	SWN PRODUC	TION COMPANY, LLC		Address:	1300 Fort Pierpont Dr.,	Suite 201	Dilios of Swalls
Telephone:	304-884-1610				Morgantown, WV 26508	ii —	JUL 1 4 2022
Email:	brittany_woody@	Dswn.com		Facsimile:	-		- tol
	Privacy Not Oil and Gas pr		l inform	nation such as name	e address and teler	phone number as	NV Department of Environmental Protection

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 may gov.

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

entry				ntry: 5/25/2022	lys but no more mai	FORTI-FIV	E (43) days prior to
Date of Notic	E. 3/10/2022	Date of Fia	med E	nuy.			
Delivery met	hod pursuant	to West Virginia C	ode § 2	2-6A-10a			
☐ PERSO	NAL I	REGISTERED		METHOD OF DE	LIVERY THAT RE	QUIRES A	
SERVIC	E	MAIL		RECEIPT OR SIG	NATURE CONFIR	MATION	
on to the surfa- but no more the beneath such owner of mine and Sediment Secretary, wh	nce tract to cond nan forty-five d tract that has file erals underlying Control Manua ich statement sl	duct any plat survey ays prior to such en led a declaration pur g such tract in the co al and the statutes ar	s requir try to: ( rsuant to ounty ta d rules informa	ed pursuant to this a  1) The surface owner  o section thirty-six, a  x records. The notice  related to oil and ga  ation, including the a	rticle. Such notice s or of such tract; (2) article six, chapter to be shall include a state s exploration and p	shall be provide to any owner or wenty-two of the atement that cop roduction may	totice of planned entry and at least seven days relessee of coal seams his code; and (3) any poies of the state Erosion be obtained from the etary's web site, to
Notice is here	eby provided t	0:					
☐ SURFAC	E OWNER(s)			☐ COA	L OWNER OR LE	SSEE	
Name:				Name:			2.5
Address:			-	Address:			
			-				
Address:					ERAL OWNER(s)		
				Name: Ke	ith Aberegg		
Name:			_	Address:	191 Solitude Lane		
			-	Boyce, VA 22		A A subsection	
			-	Tplease attac	sh additional forms if ne	cessary	
	est Virginia Co	ode § 22-6A-10(a), i and as follows:	notice is	Approx. Lati	tude & Longitude:	operator is pla	nning entry to conduct
County:	Wetzel			Public Road	Access:	Rice Ridge Road	
District:	Clay			Watershed:	240	West Virginia Fork	
Quadrangle:	Littleton	ш порит		Generally use	ed farm name.	Vernon Johnson W	TZ
may be obtain Charleston, W	ed from the Sec V 25304 (304	cretary, at the WV I -926-0450). Copies	Departm of such	ent of Environments	al Protection headquional information r	uarters, located	oration and production at 601 57 <sup>th</sup> Street, SE, intal drilling may be DECEIVED Office of Oil and Gas
	reby given by	,		2.25			N. 1. 2. 1. 2222
Well Operator	SWN PRODUCT	TION COMPANY, LLC		Address:	1300 Fort Pierpont Dr.,	Suite 201	JUL 1 4 2022
Telephone:	304-884-1610				Morgantown, WV 26508	6.	(VV Department of
Email:	brittany_woody@	swn.com		Facsimile:			Environmental Protection

Oil and Gas Privacy Notice:

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

WW-6A3 (1/12)

## 4710303519

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

andre :	Requirement:	1 toffee sitali be pro-	ided at least Si	D & DIA (1) CC	iys but no more tha	n roat t-rive	(45) days prior to
entry Date of Notice	ce: 5/18/2022	Date of Pla	nned Entry: 5/	25/2022			
Delivery me	thad nursuant t	to West Virginia C	ade 8 22-6A-1	0a			
Denvery me	inou parsuant	o west riigiiiii c	out 8 22 0.1 1	-			
☐ PERSO	NAL 🔳	REGISTERED	☐ METE	IOD OF DE	LIVERY THAT RI	EQUIRES A	
SERVIC	Œ	MAIL	RECE	IPT OR SIGI	NATURE CONFIF	RMATION	
on to the surf but no more to beneath such owner of min and Sediment Secretary, when able the sur-	ace tract to cond than forty-five d tract that has fil erals underlying t Control Manua tich statement st rface owner to co	duct any plat survey ays prior to such en- led a declaration pur g such tract in the co- all and the statutes and hall include contact obtain copies from the	s required purs try to: (1) The a suant to section ounty tax record d rules related information, in	uant to this a surface owner in thirty-six, a ds. The notice to oil and ga	rticle. Such notice er of such tract; (2) urticle six, chapter to be shall include a st as exploration and p	shall be provided to any owner or le twenty-two of this atement that copie production may be	essee of coal seams code; and (3) any es of the state Erosion obtained from the
Notice is her	eby provided to	D:					
☐ SURFAC	CE OWNER(s)			□ COA	L OWNER OR LE	ESSEE	
Name:				Name:			
Address:			2	Address:			
Name:					- h		-
Address:			-		ERAL OWNER(s)		
					d Stone Resources, LLC	V	
Name:			-		817 Irish Lane		
Address:			5	*please attac	73003 sh additional forms if no	ecessary	-
	rehv siven						
Pursuant to Wa plat survey State: County:			/		tude & Longitude:	39.717777, -80.54595 Rica Ridge Road West Virginia Fork Fis	
	Vest Virginia Co on the tract of la wv Wetzel		F	Approx, Latit Public Road / Watershed;	tude & Longitude:	39.717777, -80.54595 Rice Ridge Road	0 h Creek
Pursuant to Wa plat survey State: County: District: Quadrangle: Copies of the may be obtain Charleston, Warney	Vest Virginia Co on the tract of la wv Wetzel Clay Littleton state Erosion and from the Sec /V 25304 (304-	and as follows:	Manual and the Department of E	Approx. Latit Public Road A Watershed: Generally use the statutes an Environmental tents or addit	aude & Longitude; Access:  ed farm name:  d rules related to o al Protection headq ional information r	39.717777, -80.54595 Rice Ridge Road West Virginia Fork Fis Vernon Johnson WTZ il and gas explora uarters, located at	tion and production 601 57 <sup>th</sup> Street, SE, al drilling may be
Pursuant to Wa a plat survey State: County: District: Quadrangle: Copies of the may be obtain Charleston, Woobtained from	Vest Virginia Co on the tract of la wv Wetzel Clay Littleton state Erosion an ed from the Sec V 25304 (304- the Secretary b	and as follows:  and Sediment Control cretary, at the WV D 2926-0450). Copies by visiting www dep	Manual and the Department of E	Approx. Latit Public Road A Watershed: Generally use the statutes an Environmental tents or addit	aude & Longitude; Access:  ed farm name:  d rules related to o al Protection headq ional information r	39.717777, -80.54595 Rice Ridge Road West Virginia Fork Fis Vernon Johnson WTZ il and gas explora uarters, located at	tion and production 601 57 <sup>th</sup> Street, SE, al drilling may be
Pursuant to Wa a plat survey State: County: District: Quadrangle: Copies of the may be obtain Charleston, Woobtained from	Vest Virginia Co on the tract of la WV Wetzel Clay Littleton state Erosion an ed from the Sec V 25304 (304- the Secretary b	and as follows:  and Sediment Control cretary, at the WV D 2926-0450). Copies by visiting www dep	Manual and the Department of E	Approx. Latit Public Road A Watershed: Generally use the statutes an Environmental tents or addit	aude & Longitude; Access:  ed farm name:  d rules related to o al Protection headq ional information r	39.717777, -80.54595 Rice Ridge Road West Virginia Fork Fis Vernon Johnson WTZ  il and gas explora uarters, located at related to horizont	tion and production 601 57 <sup>th</sup> Street, SE, al drilling may be  RECEIVED Office of Oil and Gas
Pursuant to Wa plat survey State: County: District: Quadrangle: Copies of the may be obtain Charleston, Wobtained from	Vest Virginia Co on the tract of la WV Wetzel Clay Littleton state Erosion an ed from the Sec V 25304 (304- the Secretary b	and as follows:  and Sediment Control cretary, at the WV D 926-0450). Copies by visiting www dep	Manual and the Department of E	Approx. Latit Public Road A Watershed; Generally use ne statutes an Environmenta tents or addit d-uas/pages/d	nude & Longitude; Access: ed farm name: d rules related to o al Protection headq ional information r default aspx.	39.717777, -90.54595 Rice Ridge Road West Virginia Fork Fis Vernon Johnson WTZ  ill and gas explora uarters, located at related to horizont	tion and production 601 57 <sup>th</sup> Street, SE,
Pursuant to Wa plat survey State: County: District: Quadrangle: Copies of the may be obtain Charleston, Wobtained from Notice is her Well Operator	Vest Virginia Co on the tract of la wv Wetzel Clay Littleton state Erosion and from the Sec V 25304 (304- the Secretary b reby given by: SWN PRODUCTI	and as follows:  and Sediment Control cretary, at the WV D 926-0450). Copies by visiting www dep	Manual and the Department of E	Approx. Latit Public Road A Watershed; Generally use ne statutes an Environmenta tents or addit d-uas/pages/d	ande & Longitude; Access:  ed farm name:  d rules related to o al Protection headq ional information r default aspx.	39.717777, -90.54595 Rice Ridge Road West Virginia Fork Fis Vernon Johnson WTZ  ill and gas explora uarters, located at related to horizont	tion and production 601 57 <sup>th</sup> Street, SE, al drilling may be  RECEIVED Office of Oil and Gas

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 depprivacyofficentry veny.

471030351

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

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

	ice: 5/18/2022	Date of Plan	nned Entry: 5/25/2022			
Delivery m	thod pursuant	to West Virginia C	ode § 22-6A-10a			
☐ PERSO	NAL .	REGISTERED	☐ METHOD OF	DELIVERY THAT R	EOUIRES A	
SERVI		MAIL		SIGNATURE CONFI		
on to the sur but no more beneath such owner of mi- and Sedimer Secretary, w	face tract to con than forty-five of tract that has finerals underlying to Control Manu- hich statement s	duct any plat surveys days prior to such ent led a declaration pur g such tract in the co al and the statutes an	s required pursuant to to try to: (1) The surface of suant to section thirty- sunty tax records. The ad rules related to oil are information, including	this article. Such notice owner of such tract; (2) six, article six, chapter notice shall include a se and gas exploration and p	r shall provide notice of shall be provided at least to any owner or lessee of twenty-two of this code; tatement that copies of the production may be obtain tage on the Secretary's v	of coal seams and (3) any ne state Erosion ned from the
Notice is he	reby provided t	0:				
☐ SURFA	CE OWNER(s)			COAL OWNER OR LE	ESSEE	
Name:			Namo	e:		
Address:			Addr	ess:		
Name:			_	MINERAL OWNER(s)		
				: James Stoneking		
Name:				ess: 2600 Dewitt Drive	161	
Address:			Frederi	cksburg, VA 22408		
				e attach additional forms if n	ecessary	
		ode 8 22-64-10(a) n	otice is hereby given the	hat the undersigned wel	Il operator is planning er	ntry to conduct
Pursuant to Va plat survey	West Virginia Co on the tract of I		Annroy			itty to somassi
Pursuant to V a plat survey State:	West Virginia Co on the tract of I wv			Latitude & Longitude:	39.717777, -80.545950	
Pursuant to V a plat survey State: County:	West Virginia Co on the tract of I wv Wetzel		Public R	Latitude & Longitude: oad Access:	39.717777, -80.545950 Rice Ridge Road	
Pursuant to Va plat survey State: County: District:	West Virginia Co on the tract of I wv Wetzel		Public R Watersh	Latitude & Longitude: oad Access:	39.717777, -80.545950	
Pursuant to Variate survey State: County: District: Quadrangle: Copies of the may be obtain Charleston, Variate St	West Virginia Co on the tract of I wv Wetzel Clave Littleton e state Erosion a ned from the Se WV 25304 (304	and as follows:  nd Sediment Control ceretary, at the WV D	Public R Watersh Generall Manual and the statut	Latitude & Longitude: oad Access: ed: y used farm name: es and rules related to conental Protection headquiditional information	39.717777, -80.545950 Rice Ridge Road Wast Virginia Fork Fish Creek	nd production 7 <sup>th</sup> Street, SE, ling may be
Pursuant to Variate survey State: County: District: Quadrangle: Copies of the may be obtained from	West Virginia Coron the tract of I W Wetzel Clay Littleton e state Erosion a ned from the Se WV 25304 (304 n the Secretary I	and as follows:  nd Sediment Control ceretary, at the WV Dispersion of the control control with the control ceretary and the www.dep	Public R Watersh Generall Manual and the statute Department of Environm of such documents or	Latitude & Longitude: oad Access: ed: y used farm name: es and rules related to conental Protection headquiditional information	39.717777, -80.545950  Rice Ridge Road  West Virginia Fork Fish Creek  Vernon Johnson WTZ  oil and gas exploration and puarters, located at 601.5	nd production 7 <sup>th</sup> Street, SE, ling may be
Pursuant to Variable Pursuant to Variable Pursuant to Variable Pursuant to Variable Pursuant	West Virginia Coron the tract of I  W Wetzel Clave Littleton e state Erosion a ned from the Se WV 25304 (304 in the Secretary I	and as follows:  nd Sediment Control ceretary, at the WV Dispersion of the control control with the control ceretary and the www.dep	Public R Watershi Generall Manual and the statute Department of Environm of such documents or a wv gov/oil-and-gas/pa	Latitude & Longitude: oad Access: ed: y used farm name: es and rules related to conental Protection headquiditional information ruses/default aspx.	39.717777, -80.545950  Rice Ridge Road  West Virginia Fork Fish Creek  Vernon Johnson WTZ  oil and gas exploration as quarters, located at 6015 related to horizontal dril.	nd production 7 <sup>th</sup> Street, SE, ling may be
a plat survey State: County: District: Quadrangle: Copies of the may be obtai Charleston, Nobtained fror	West Virginia Coron the tract of I  W Wetzel Clave Littleton e state Erosion a ned from the Se WV 25304 (304 in the Secretary I	and as follows:  and Sediment Control occretary, at the WV Di-926-0450). Copies by visiting www.dep	Public R Watersh Generall Manual and the statute Department of Environm of such documents or	Latitude & Longitude: oad Access: ed: y used farm name: es and rules related to conental Protection headquiditional information ruses/default aspx.	39.717777, -80.545950  Rice Ridge Road  West Virginia Fork Fish Creek  Vernon Johnson WTZ  oil and gas exploration an quarters, located at 6015 related to horizontal drill	nd production 7th Street, SE, ling may be RECEIVED Office of Oil and Gar

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 deportvacyofficer(a)wv.sov.

Operator Well No. Vermon Johnson WTZ 201H
4 7 1 0 3 0 3 5 1 9

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

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

	e Requirement: Notice shall be provided at ice: 06/15/2022 Date Pers	least TEN (10) days prior to filing a nit Application Filed:	permit application.
Delivery m	ethod pursuant to West Virginia Code § 27	Z-6A-16(b)	
☐ HAND	CERTIFIED MAIL		
DELIV	YERY RETURN RECEIPT REQ	UESTED	
receipt required trilling a horal for this subsection rand if availa	W. Va. Code § 22-6A-16(b), at least ten day ested or hand delivery, give the surface own prizontal well: <i>Provided</i> , That notice given ection as of the date the notice was provided may be waived in writing by the surface own able, facsimile number and electronic mail actions.	er notice of its intent to enter upon to cursuant to subsection (a), section to the surface owner: Provided, hoter. The notice, if required, shall includes of the operator and the operat	he surface owner's land for the purpose of en of this article satisfies the requirements wever, That the notice requirements of this lude the name, address, telephone number,
	ereby provided to the SURFACE OW non S. Johnson Estate	NER(s): Name:	
Address: 11		Address:	
The second second second	Plata, MD 20646	ruuros:	
State: County: District:	owner's land for the purpose of drilling a hor West Virginia Wetzel Clay	UTM NAD 83 Easting: Northing: Public Road Access:	538,929,144 4,396,557.562         1 4 2022 Rice Ridge
Quadrangle Watershed:	Littleton, WV West Virginia Fork Fish Creek (HUC-10)	Generally used farm name:	Vernon Johnson WTZ WV Deparament of Environmental Protect
Pursuant to facsimile no related to he located at 60 Notice is h	the Shall Include:  West Virginia Code § 22-6A-16(b), this rumber and electronic mail address of the orizontal drilling may be obtained from the 01 57th Street, SE, Charleston, WV 25304 (3 thereby given by:  SWN Production Company, LLC	perator and the operator's authoriz Secretary, at the WV Department	ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx.
Address:	1300 Fort Pierpont Drive, Suite 201	Address:	1300 Fort Pierpont Drive, Suite 201
. Ladi voo.	Morgantown, WV 26508	riddioss.	Morgantown, WV 26508
Telephone:	304-884-1675	Telephone:	304-884-1675
Email:	Justin Booth@swn.com	Email:	Justin Booth@swn.com
Facsimile	=-4m2+11m0+11m+4m	Facsimile:	The state of the s

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 depprivacyofficeral wy gov.

WW-6A5 (1/12)

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

Date of Notic	Requirement: notice shall be provi e: 06/15/2022 Date Per	mit Application Filed:	1110							
Delivery met	hod pursuant to West Virginia C	ode § 22-6A-16(c)		47	1	0 3	5 0	3	5 1	9
CERTU	FIED MAIL	☐ HAND		1 /						
	N RECEIPT REQUESTED	DELIVERY								
return receipt the planned of required to be drilling of a l damages to th d) The notice of notice.	V. Va. Code § 22-6A-16(c), no late requested or hand delivery, give the peration. The notice required by provided by subsection (b), section orizontal well; and (3) A propose e surface affected by oil and gas oper required by this section shall be get by provided to the SURFACE O	the surface owner whose land this subsection shall include the ten of this article to a surface of surface use and compens deterations to the extent the date given to the surface owner and	I will be used for de: (1) A copy ace owner whos ation agreement amages are comp	of this of this e land t conta pensabl	rilling code will b uning le und	g of a e sect oe use an o der ar	horized in offer ticle:	zonta (2) T conju of co six-b	I well he in nction mper of th	I notice of iformation in with the isation for is chapter.
at the addres	s listed in the records of the sheriff	at the time of notice):								
T. Marine	- C. Jahanna Falata	M								
1401114	n S. Johnson Estate	Name:			_		_	_		
Address: 1189 La Pl  Notice is her  Pursuant to W	5 Amy Dr. ata, MD 20646 eby given: Vest Virginia Code § 22-6A-16(c), r	Address	ne undersigned v	well op	erato	r has	deve	loped	a pla	nnned
Address: 1189 La Pl  Notice is here  Pursuant to Woperation on  State:	o Amy Dr.  ata, MD 20646  by given:  est Virginia Code § 22-6A-16(c), rethe surface owner's land for the purious West Virginia	Address	ne undersigned v I well on the tra Basting:	ct of la 538,929	nd as 9.144	follo	devel	loped	a pla	nned
Address: 1189 La Pl Notice is here Pursuant to W operation on State: County;	o Amy Dr.  ata, MD 20646  by given:  Vest Virginia Code § 22-6A-16(c), rethe surface owner's land for the puwest Virginia  West Virginia	Address notice is hereby given that the rpose of drilling a horizonta  UTM NAD 8	ne undersigned value on the tra Easting: Northing:	538,929 4,396,5	nd as 9.144 557.562	follo	devel	loped	a pla	nned
Address: 1189 La Pl Notice is here Pursuant to W operation on State: County; District:	6 Amy Dr. ata, MD 20646  eby given: Vest Virginia Code § 22-6A-16(c), rethe surface owner's land for the puwest Virginia Wetzel Clay	Address notice is hereby given that the repose of drilling a horizonta  UTM NAD 8  Public Road	ne undersigned value on the tra Easting: Northing: Access:	538,929 4,396,5 Rice Ri	nd as 9.144 557.562 idge	follo	ows:	loped	a pla	nned
Address: 1189 La Pl  Notice is her  Pursuant to W	o Amy Dr.  ata, MD 20646  by given:  Vest Virginia Code § 22-6A-16(c), rethe surface owner's land for the puwest Virginia  West Virginia	Address notice is hereby given that the repose of drilling a horizonta  UTM NAD 8  Public Road	ne undersigned value on the tra Easting: Northing:	538,929 4,396,5 Rice Ri	nd as 9.144 557.562	follo	ows:	loped	a pla	nned
Address: 1189 La Pl  Notice is her. Pursuant to Woperation on State: County: District: Quadrangle: Watershed: This Notice S Pursuant to Woto be provide horizontal we surface affect information reheadquarters,	by given:  Vest Virginia Code § 22-6A-16(c), respectively the surface owner's land for the purities of the surface owner's land for the purities owner's lan	Address notice is hereby given that the rpose of drilling a horizonta  UTM NAD 8  Public Road A  Generally use this notice shall include: (1) to a surface owner whose and compensation agreement extent the damages are contended from the Secret	ne undersigned of I well on the tra Easting: Northing: Access: ed farm name; A copy of this e land will be undersigned arm, at the WV	ct of la 538,929 4,396,5 Rice Ri Vernon  code se ised in offer er article Depar	ection of conjuster	i; (2) iuncti impen x-b o	The i	inforrith the for chap	matio ne dr dama oter, sental	n required illing of a ages to the Additional Protection
Address: 1189 La Pl Notice is here Pursuant to Web peration on State: County; District: Quadrangle: Watershed:  This Notice Sepursuant to Web por provide norizontal web surface affect on formation readquarters, pas/pages/def	by given:  Vest Virginia Code § 22-6A-16(c), rest Virginia Code § 22-6A-16(c), rest Virginia Code § 22-6A-16(c), rest Virginia  Wetzel  Clay  Littleton, WV  West Virginia Fork Fish Creek (HUC-10)  Chall Include:  Vest Virginia Code § 22-6A-16(c), rest Virginia Code § 22-6A-10(b)  Il; and (3) A proposed surface use ed by oil and gas operations to the elated to horizontal drilling may be located at 601 57th Street, SE, ault.aspx.	Address notice is hereby given that the repose of drilling a horizonta  UTM NAD 8  Public Road a Generally use this notice shall include: (1) to a surface owner whose and compensation agreement extent the damages are contained from the Secret Charleston, WV 25304 (1)	ne undersigned value and the transport of the transport of the transport of the transport of the transport of the transport of the transport of the transport of the transport of the transport of the transport of the transport of the transport of the transport of tr	ct of la 538,929 4,396,5 Rice Ri Vernon  code seised in offer der artic Depar or by	sind as 9.144 57.562 idge a Johnso ection conj of con cle sin	i; (2) iuncti impen x-b o	The i	inforrith the for chap	matioone dr dama oter, nntal	n required illing of a ages to the Additional Protection
Address: 1189 La Pl Notice is her. Pursuant to Woperation on State: County; District: Quadrangle: Watershed:  This Notice S. Pursuant to Woo be provided the prov	stan, MD 20646  Leby given: Lest Virginia Code § 22-6A-16(c), rest Virginia Code § 22-6A-16(c), rest Virginia Lest Virginia Lest Virginia Lest Virginia Fork Fish Creek (HUC-10)  Lest Virginia Code § 22-6A-16(c), rest Virginia Code § 22-6A-16(c), rest Virginia Code § 22-6A-10(b) Lest Virginia Code	Address notice is hereby given that the rpose of drilling a horizonta  UTM NAD 8  Public Road A  Generally use this notice shall include: (1) to a surface owner whose and compensation agreement extent the damages are contended from the Secret	ne undersigned of I well on the tra 3 Easting: Northing: Access: ed farm name: A copy of this e land will be understand and arry, at the WV (304-926-0450)	ct of la 538,929 4,396,5 Rice Ri Vernon  code se ised in offer or by  Drive, Suit	sind as 9.144 57.562 idge a Johnso ection conj of con cle sin	i; (2) iuncti impen x-b o	The i	nforrith the for chap	matio ne dr dama oter, r ental	n required illing of a ages to the Additional Protection by/oil-and- GEIVED
Notice is here Pursuant to We operation on State: County; District: Quadrangle: Watershed:  This Notice Service and to We obe provided norizontal we surface affect information readquarters, pas/pages/def	by given:  Vest Virginia Code § 22-6A-16(c), rest Virginia Code § 22-6A-16(c), rest Virginia Code § 22-6A-16(c), rest Virginia  Wetzel  Clay  Littleton, WV  West Virginia Fork Fish Creek (HUC-10)  Chall Include:  Vest Virginia Code § 22-6A-16(c), rest Virginia Code § 22-6A-10(b)  Il; and (3) A proposed surface use ed by oil and gas operations to the elated to horizontal drilling may be located at 601 57th Street, SE, ault.aspx.	Address notice is hereby given that the repose of drilling a horizonta  UTM NAD 8  Public Road a Generally use this notice shall include: (1) to a surface owner whose and compensation agreement extent the damages are contained from the Secret Charleston, WV 25304 (1)	ne undersigned value and the transport of the transport of the transport of the transport of the transport of the transport of the transport of the transport of the transport of the transport of the transport of the transport of the transport of the transport of tr	ct of la 538,929 4,396,5 Rice Ri Vernon  code se ised in offer or by  Drive, Suit	sind as 9.144 57.562 idge a Johnso ection conj of con cle sin	i; (2) iuncti impen x-b o	The i	nforrith the for chap	matioone dr dama oter, nntal	n required illing of a ages to the Additional Protection by/oil-and- GEIVED

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



### WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

**Division of Highways** 

D. Alan Reed, P.E. State Highway Engineer 1900 Kanawha Boulevard East • Building Five • Room 110 Charleston, West Virginia 25305-0430 • (304) 558-3505

Jimmy Wriston, P. E. Secretary of Transportation Commissioner of Highways

June 16, 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 Vernon Johnson Pad, Wetzel County Vernon Johnson WTZ 201H Well Site

Dear Mr. Martin,

This well site will be accessed from a DOH permit #06-2011-0442 which has been issued to Southwestern Energy for access to the State Road for a well site located off Wetzel County Route 8/9 SLS MP 0.74.

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, P.E.

Regional Maintenance Engineer Central Office O&G Coordinator

Day K. Clayton

Cc: Brittany Woody

Southwestern Energy

CH, OM, D-6

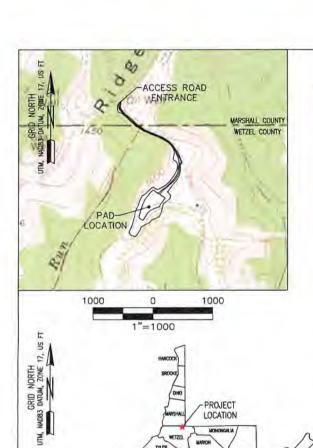
File

CHOS of Oil and Gas

JUL 1 4 2022

NV Department of Environmental Protection

Product Name Al-303 (U.S. Well Services)	Mixture	Chemital Name Ethylene glycol	CAS Number 107-21 1
71. 000 (010. 110. 001. 110.)		Cinnamaldehyde	104-55 2
		Butyl cellosolve	111-76 2
		Formic acid	64-18 6
		Polyether	Proprietary
		Acetophenone, thiourea, formaldehyde polymer	68527-49 1
AD ONE (I I & Mr. II Sawana)	Denakas		
P ONE (U.S. Well Services)	Breaker	Ammonium persulfate	7727-54-0
actron K-139 (Champion Technologies)	Biocide	Glutaraldehyde	111-30-8
		Quaternary Ammonium Compounds, Benzyl-C12-16-Alkyldimethyl, Chlorides	68424-85-1
		Ethanol	64-17-5
actron K-219 (Champion Technologies)	Biocide	Methanol	67-56-1
		Quaternary Ammonium Compounds, Benzyl-C12-16-Alkyldimethyl, Chlorides	68424-85-1
arboNRT	Tracer	Ceramic Proppant	66402-68-4
C6486A (Nalco Champion)	Scale Inhibitor	Amine Triphosphate	Proprietary
		Ethylene Glycol	107-21-1
27244 (Channing Tanhunlanian)	Disabile		
6734A (Champion Technologies)	Biocide	Hydrogen Peroxide	7722-84-1
		Acetic Acid	64-19-7
		Peroxyacetic Acid	79-21-0
ono-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
Legac (cure or the	Just Court I		
opol-FEAC (SWN Well Services)	Iron Control	Acetic Acid	64-19-7
		Citric Acid	77-92-9
		Water	7732-18-5
P-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
To the train del traes)		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
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
The is a se ferrampion reciniologies)	- sees millioned	Nonylphenol Ethoxylate	Proprietary
L 1505 (Malliburter)	Corrosion Inhibitor	No hazardous substance	
AI-150E (Halliburton)			N/A
L (SWN Well Services)	Hydrocholic Acid	Hydrochloric Acid	7647-01-0
		Water 2 2 0	7732-18-5
65 MC (Halliburton)	Scale Inhibitor	Organic phosphonate	Proprietary
		Ammonium Chloride HO 71 EC	12125-02-9
I-FLEX (U.S. Well Services)	Viscosifying Agent	Distillates, petroleum, hydrotreated light	64742-47-8
slick 930	Friction Reducer	Copolymer of 2-propenamide	Proprietary
	iesieji (jendeel	Copolymer of 2-propenamide Hydrotreated Distillate	64742-47-8
		Sodium Chloride	7647-14-5
		Alcohole C12-16 Evoyulated	68551-12-2
		Copolymer of 2-propenamide Hydrotreated Distillate Sodium Chloride Alcohols, C12-16, Exoxylated Oleic Acid Diethanolamide	
		Oleic Acid Diethanolamide	93-83-4
		Ammonium Chloride	12125-02-9
exslick 953	Friction Reducer	Petroleum Distillate	64742-47-8
		Sodium Chloride	7647-14-5
		Ammonium Chloride	12125-02-9
		N,N-bis (2-hydroxyethyl) oleamide	93-83-4
exslick 957	Friction Reducer	Petroleum Distillate	64742-47-8
enemels elef	CONTROL DEMANSE	Ammonium Chloride	12125-02-9
		Oleic Acid Diethanolamide	93-83-4
			68551-12-2
		Alcohols, C12-16, Exoxylated Water	
			7732-15-5
FRA-2000 (U.S. Well Services)	Anionic Friction Reducer	Hydrotreated light distillate (petroleum)	64742-47-8
		Propenoic acid, polymer with propenamide	9003-06 9
xaid 655 NM	Scale Inhibitor	Diethylenetriamine penta (methylene phosphonic acid)	15827-30-8
xslick 922	no data available	Copolymer of 2-propenaminde	69418-26-4
		Distillates (petroleum), hydotreated light	64742-47-8
		Ammonium chloride ((NH4)CI)	12125-02-9
		Oleic Acid Diethnolamide	93-83-4
lcide PS50A	Biocidal product	Tetrakis (hydroxymethyl) phosphonium sulphate	55566-30-8
INCINC FOUNT	product		22200-20-0
		Acrylic acid terpolymer containing carboxylate phosphonate and sulfonate	207250 50 7
2000	Education B. L.	groups	397256-50-7
0-2950	Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8
		Ethoxylated alcohol	Proprietary
		Poly (oxy-1.2-ethanediyl) alphatridecylomegahydroxy-, branched	69011-36-5
gend LD-7750W	Scale Control	Methanol	67-56-1
Berie ED 112014	State Control		
		Phosphonic Acid Salt	7631-99- <b>408</b>
C MX 8-4743	Specialty Product	Sodium Nitrate	



CILMER

TUCKER

POCAHONTAS

CREENBRIER

PENDLETON

## VERNON JOHNSON WTZ PAD CONSTRUCTION AND RECLAMATION PLAN AS-BUILT CLAY DISTRICT, WETZEL COUNTY, WV **DECEMBER 2020**

LOD 1

TOTAL DISTURBED AREA: 8.4 ACRES ROAD DISTURBED AREA: 2.5 ACRES PAD DISTURBED AREA: 5.9 ACRES

EXISTING WELLS:

COORDINATES:

SITE ENTRANCE (NAD83) LAT: 39.722527 LONG: 80.547716 AT JOHNSON PAD	JOHNSON WTZ 101 API:47-103-0271- (NAD83) LAT: 39.718056 LONG: 80.545660
(NAD83) LAT: 39.718310 LONG: 80.545446 CENTER OF PAD (NAD83)	JOHNSON WTZ 1H API:47-103-0238 (NAD83) LAT: 39.717971 LONG: 80.545746
LAT: 39.717829 LONG: 80.545859	PROPOSED WELLS
GATHERING AREA (NAD83) LAT: 39.719754 LONG: 80.544154	JOHNSON WTZ 3H (NAD83) LAT: 39.718069 LONG: 80.545741
KITERSON)	JOHNSON WTZ 5H (NAD83) LAT: 39.718091 LONG: 80.545721
$\checkmark$	JOHNSON WTZ 210 (NAD83) LAT: 39.718037 LONG: 80.545684

<b>Engineering Estimate</b>	of Qu	antities
Well Site Pad Data	(Drilling	3)
Maintain Pad, Sumps, E&S Controls (Minimal)	1	Ea
Seed and Mulch	100	SY
Access Road (Di	rilling)	
Maintain Road & Ditches	1	Ea
Maintain E&S Controls	1	Ea
Well Site Pad Data (R	eclamat	ion)
Remove Sump	2	Ea
Breach Berm	2	Ea
Discharge Channels		
Rip Rap	60	ton
or		
Erosion Control Fabric	80	SY
Spead Topsoil	4,600	CY
Seed and Mulch	6,830	SY
Reinforced Silt Fence or equivalent	1600	Ft





EP2.1 EVACUATION ROUTE/ PREVAILING WIND EP2.2 EVACUATION ROUTE/ PREVAILING WIND

AS3.1 ASBUILT OVERVIEW AS3.2 ASBUILT

AS3.3 ASBUILT

AS3.4 ASBUILT AS3.5 ASBUILT

ASR4.1 CONSTRUCTION AND RECLAMATION ACCESS ROAD PROFILE MRD5.1 RECLAMATION PLAN OVERVIEW

MRD5.2 RECLAMATION PLAN

MRD5.3 RECLAMATION PLAN MRD5.4 RECLAMATION PLAN

MRD5.5 RECLAMATION PLAN

MRD6.1 DETAILS

MRD6.2 DETAILS

DATE REVISION









Jackson Surveying Inc.

TITLE SHEET TS.1

SOUTHWESTERN PRODUCTION COMPANY LLC. VERNON JOHNSON WTZ PAD CLAY DISTRICT, WETZEL COUNTY, WV DECEMBER 01, 2020

