

### 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

Tuesday, September 13, 2022 WELL WORK PERMIT Horizontal 6A / New Drill

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

Re: Permit approval for YOCUM MSH 10H 47-051-02462-00-00

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.

Operator's Well Number: YOCUM MSH 10H

Farm Name: JOSEPH LEE AND MICHAEL

U.S. WELL NUMBER: 47-051-02462-00-00

Horizontal 6A New Drill Date Issued: 9/13/2022

API Number:	
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### PERMIT CONDITIONS

4705102462

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

### **CONDITIONS**

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

API Number: 4705102462

### **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.

### API NO. 47-400 7 0.5 1 0 2 4 6 2

OPERATOR WELL NO. Yocum MSH 10H
Well Pad Name: Yocum MSH

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

1) Well Operato	or: SWN P	roduction C	o., LLC	494512924	051-Marsha	07-Liber	438-Littleton
,	**************************************			Operator ID	County	District	Quadrangle
2) Operator's W	ell Number	Yocum M	SH 10H	Well Pad	l Name: Yocui	m MSH	
3) Farm Name/S	Surface Own	ner: Joseph Lee	e & Michael D.	Yocum Public Roa	d Access: Amo	os Hollow	Road
4) Elevation, cu	rrent ground	d: 1053'	El	evation, proposed	post-constructi	on: 1053'	
5) Well Type	(a) Gas Other	X	_ Oil	Unde	erground Storag	ge	
	(b)If Gas	Shallow	X	Deep			
6) Existing Pad	: Yes or No	Horizontal Yes	X		MDH	C 4/1	6/2022
7) Proposed Tar	rget Formati	ion(s), Depth	• • •	pated Thickness a	<del>-</del>		ssociated Pressure- 4755
8) Proposed Tot	tal Vertical	Depth: 729	8'				
9) Formation at			Marcellus				
10) Proposed To	otal Measur	ed Depth:	22018'				
11) Proposed H	orizontal Le	eg Length:	14377.99		C		
12) Approximat	te Fresh Wa	ter Strata De	pths:	437'			-
13) Method to I	Determine F	resh Water I	Depths: S	Salinity Profile Calcul	lations from logs	on Yocum	MSH 1H 47-051-02133
14) Approximat	te Saltwater	Depths: 98	6'- Salinity	Profile Calculation	ns from logs on	Yocum MS	SH 1H 47-051-02133
15) Approximat	te Coal Sear	n Depths: 8	81'				
16) Approximat	te Depth to 1	Possible Voi	d (coal mi	ne, karst, other): _	None that we	are aware	of.
17) Does Propo directly overlyin				ns Yes	No	<u>x</u>	
(a) If Yes, pro	vide Mine I	nfo: Name	:			DE/	CEIVED
		Depth	<del></del>			Office of	Oil and Gas
		Seam:			and the second seco	JUN 2	<b>3</b> 2022
		Owne	r:			WV Depa	artment of
							tal Protection

WW-6B (04/15)

OPERATOR WELL NO. Yocum MSH 10H
Well Pad Name: Yocum MSH

### 18)

### **CASING AND TUBING PROGRAM**

ТҮРЕ	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	20"	New	J-55	94#	126'	126'	CTS
Fresh Water	13 3/8"	New	H-40	48#	530'	530'	512 sx/CTS
Coal	See	Interm	Casing				
Intermediate	9 5/8"	New	J/K-55	36/40#	2430'	2430'	851 sx/CTS
Production	5 1/2"	New	P-110 HP	20#	22018'	22018'	lead 4016sx/Tall 1860sx/ 100' inside lates
Tubing							
Liners							

MJK 4/16/2022

ТҮРЕ	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated  Max. Internal  Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	20"	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							
Intermediate	9 5/8"	12 1/4"	0.395	3950	1768	Class A	1.19/40% Excess
Production	5 1/2"	8 3/4"-8 1/2"	0.361	14360	10500	Class A	1.19/5% Excess
Tubing							
Liners							

### **PACKERS**

Kind:		
Sizes:		
Depths Set:		

WW-6B (10/14)

4 7 API NO. 47- 009	0	5	1	0	2	4	6	2
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OPERATOR WELL NO. Yocum MSH 10H
Well Pad Name: Yocum MSH

19	) Describe p	roposed	well v	vork.	including	the	drilling	and p	olugging	back	of any	pilot l	nole:
	, ~ + + + + + + + + + + + + + + + + + +												

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

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

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

- 21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 27.93
- 22) Area to be disturbed for well pad only, less access road (acres): 16.97
- 23) Describe centralizer placement for each casing string:

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

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

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See Attachment \*\*\*

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### 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.

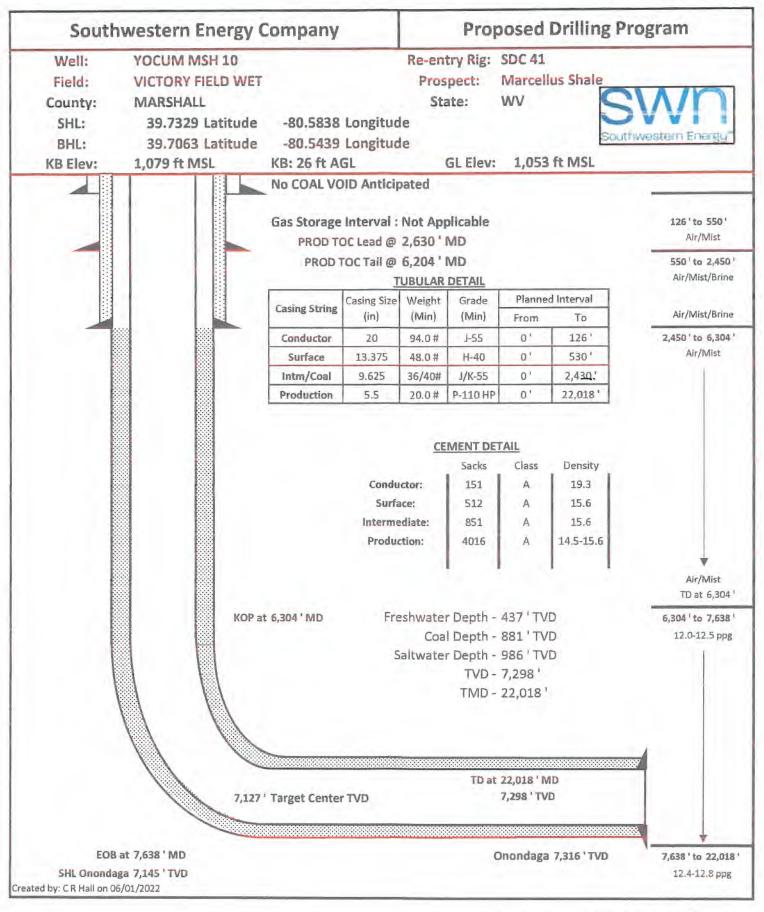
<sup>\*</sup>Note: Attach additional sheets as needed.

			CEMENT A	ADDITIVES		
INTERVAL	SCHLUMBERGER PRODUCT NAME	BJ PRODUCT NAME	NEXTIER PRODUCT NAME	PRODUCT USE	CHEMICAL NAME	CAS-Number
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
ир 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	CJ600	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
	5001	A-7P	CJ110	ACCELERATOR	CALCIUM CHLORIDE	10043-52-4
		> <	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
		$\supset$	CJ540	HP FLUID LOSS ADDITIVE	ALIPHATIC AMIDE POLYMER	PROPRIETAR
PRODUCTION	D255	$\supset$	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
1		BENTONITE	CJ020	EXTENDER	BENTONITE	1302-78-9
	D208	ASA-301	X	VISCOSIFIER/ANTI- SETTLING AGENT	REFINED POLYMER/ CHRYSTALLINE SILICA	PROPRIETAR
1	D198	R-3		CEMENT RETARDER	LIGNIN	8068-51-6
	SUGAR	SUGAR	CJ795	CEMENT RETARDER	SUCROSE	57-50-1

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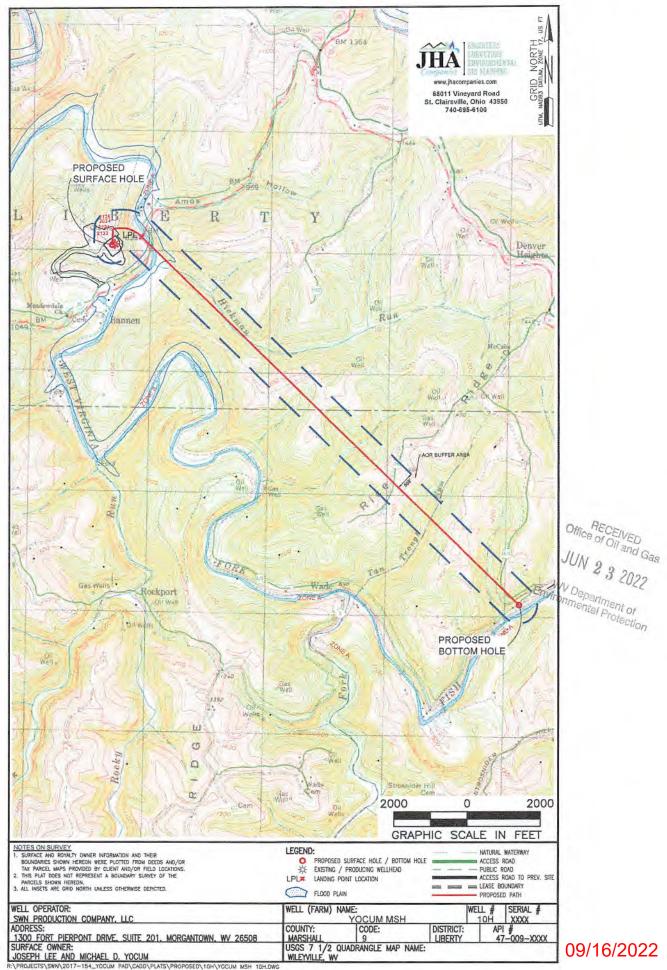
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MgK 6/16/2022 09/16/2022 Yocum MSH 10H AOR

API	TOCUM IVISH TOH AOR	Status	1 -4141-	Lamaituda	Vertical TD	Dundaning Formation	Duedusing Zames Net Doufersted
	Operator	Status	Latitude	Longitude		Producing Formation	Producing Zones Not Perforated
51-02125	SWN PRODUCTION COMPANY	ACTIVE	39.732972			Marcellus	Big Injun, Maxton Sand
51-02024	SWN PRODUCTION COMPANY	ACTIVE	39.732954			Marcellus	Big Injun, Maxton Sand
51-02124	SWN PRODUCTION COMPANY	ACTIVE	39.732936			Marcellus	Big Injun, Maxton Sand
51-02133	SWN PRODUCTION COMPANY	ACTIVE	39.732919	-80.583576	19465'	Marcellus	Big Injun, Maxton Sand
	-		<u>s</u>	ito			
			d Gas	0.000		-	
				0			
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WW-9 (4/16)

API Number	47 -	051	(4)
One	rator	Wel	I No. Yourn MSH 10H

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

### FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

FLOIDS/ COTTINGS DISPOSAL & RECLAMATION I	LAN
Operator Name SWN Production Co., LLC OP Code	494512924
Watershed (HUC 10) Upper Ohio South Quadrangle Littleton	
Do you anticipate using more than 5,000 bbls of water to complete the proposed well work?	Yes V No No
Will a pit be used? Yes No V	
If so, please describe anticipated pit waste:	
Will a synthetic liner be used in the pit? Yes No V If so, what m	1.7
Proposed Disposal Method For Treated Pit Wastes:	
Land Application	
Underground Injection ( UIC Permit Number Various Approved Fa	cilities
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	1. etc. Air drill to KOP, fluid drill with SOBM from KOP to TD
-If oil based, what type? Synthetic, petroleum, etc. Synthetic Oil Base	RECEIVED Office of Oil and Gas
Additives to be used in drilling medium? Attachment 3B	IUN 2 3 2022
Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc.   landfill	3011 2 to
-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdus	t) Environmental Protection
-Landfill or offsite name/permit number? Meadowfill SWF-1032, Short Creek SWF-1034, Carbon	
Apex Sanitary Landtill 06-08438, Brooke Co SWF-1013,	
Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cutting West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection a where it was properly disposed.	
where it was properly disposed.	
I certify that I understand and agree to the terms and conditions of the GENERAL on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environ provisions of the permit are enforceable by law. Violations of any term or condition of the law or regulation can lead to enforcement action.  I certify under penalty of law that I have personally examined and am familiar application form and all attachments thereto and that, based on my inquiry of those in obtaining the information, I believe that the information is true, accurate, and complete, penalties for submitting false information, including the possibility of fine or imprisonment.	mental Protection. I understand that the e general permit and/or other applicable with the information submitted on this adividuals immediately responsible for
Company Official Signature 111111111111111111111111111111111111	
Company Official (Typed Name) Brittany Woody	
Company Official Title Senior Regulatory Analyst	
Subscribed and sworn before me this 1st day of June,  No  My commission expires 8/21/2024	tary Public  REID CROFT  Notary Public Official Seal State of West Virginia My Comm. Expires Aug 21, 2024  47 Sparrow Lane Morgantown WX 26508
	00/36/2022

Lime _as determined by pH test min.2 Tons/acre or to correct to pH16.7	Prevegetation pl	· · · · · · · · · · · · · · · · · · ·
Fertilizer type 10-20-20		
Fertilizer amount_600/500lbs/acre		
Mulch_ Hay/StrawTons/acre		
Seed Mixture	<u>es</u>	
Temporary	Perma	nent
Seed Type Ibs/acre Attachment 3C	Seed Type	lbs/acre
Maps(s) of road, location, pit and proposed area for land application (unlorovided). If water from the pit will be land applied, include dimensions	ess engineered plans includ (L x W x D) of the pit, and	ling this info have been dimensions (L x W), and
Maps(s) of road, location, pit and proposed area for land application (unl rovided). If water from the pit will be land applied, include dimensions creage, of the land application area.  Thotocopied section of involved 7.5' topographic sheet.	ess engineered plans includ (L x W x D) of the pit, and	dimensions (L x W), and
Maps(s) of road, location, pit and proposed area for land application (unlarovided). If water from the pit will be land applied, include dimensions creage, of the land application area.  Photocopied section of involved 7.5' topographic sheet.	(L x W x D) of the pit, and	dimensions (L x W), and
laps(s) of road, location, pit and proposed area for land application (unlovided). If water from the pit will be land applied, include dimensions creage, of the land application area.  notocopied section of involved 7.5' topographic sheet.	(L x W x D) of the pit, and	RECEIV
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Attach: Maps(s) of road, location, pit and proposed area for land application (unlorovided). If water from the pit will be land applied, include dimensions acreage, of the land application area.  Photocopied section of involved 7.5' topographic sheet.  Plan Approved by:  Comments:	(L x W x D) of the pit, and	RECEIV Office of Oil  WV Departs

#### Attachment 3A

#### **CLOSED LOOP SYSTEM**

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

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

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

### AIR DRILLING INTERVALS

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

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

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

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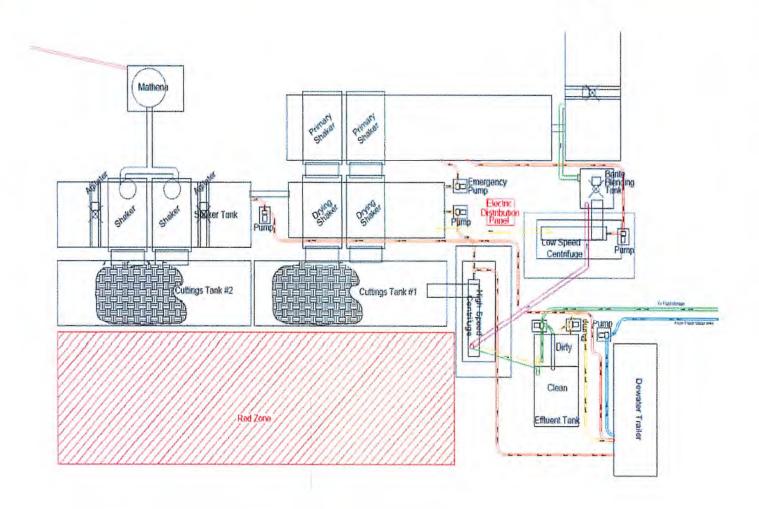
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### Solids Control Layout

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# Attachment 3B Drilling Mediums

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

Air

Freshwater (if needed based on conditions)

### Intermediate/Coal (if present):

Air

### **Production Hole:**

Air

Synthetic Oil (Base Fluid for mud system)

**Barite** 

Calcium Chloride

Lime

**Organophilic Bentonite** 

**Primary and Secondary Emulsifiers** 

Gilsonite

Calcium Carbonate

**Friction Reducers** 

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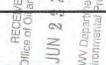
JUN 2 3 2022

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### Attachment 3C





### **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)

NON-ORGANIC PROPERTIES				
Seed Mixture: ROW Mix	SWI	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	C	Apply @ 200lbs per acre Oct. 15th- April 15th PLUS bs per acre of Winter Wheat		

501	LA	MEN	MDI	ENTS

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:

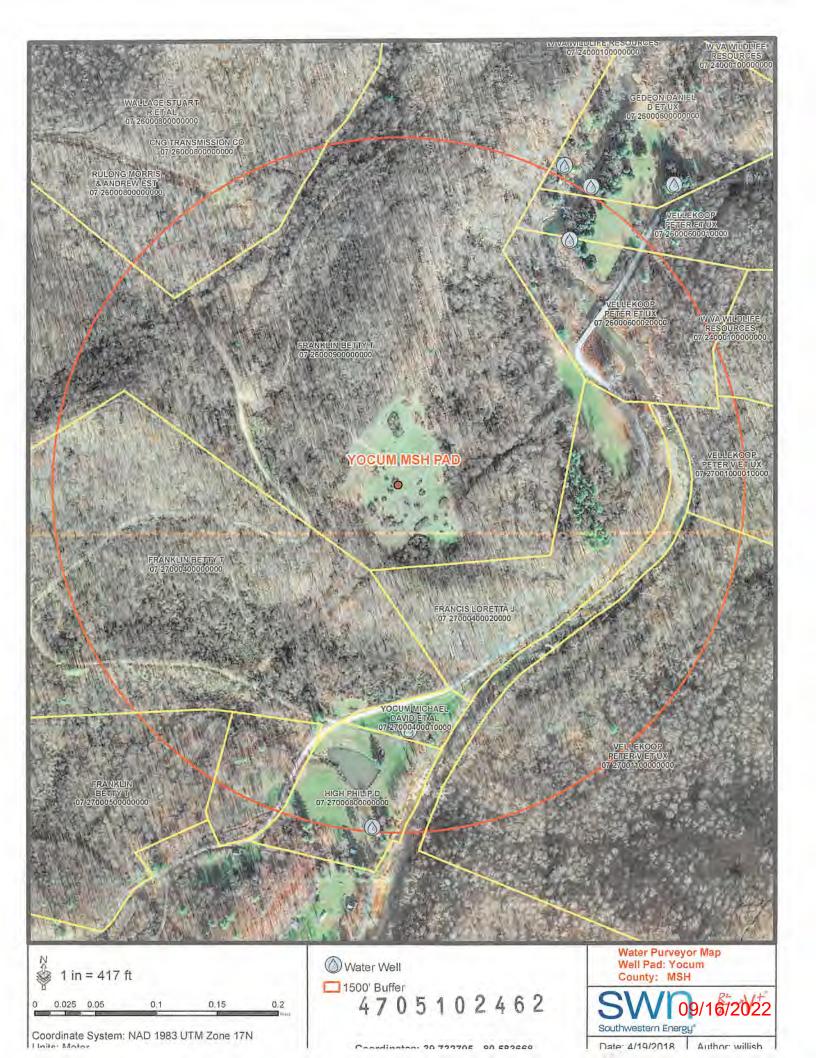
Every 622 linear feet in a 70' ROW/LOD, you should be using (2) 50lb bags of seed, (4) 50lb bags of fertilizer and (80) 50lb bags of Lime (2x seed in winter months + 50lb Winter Wheat/ac).

#### 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.

ORGANIC PROPERTIES				
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 Supplied
VA Wild Ryegrass	20%
Annual Ryegrass	20%
Fowl Bluegrass	20%
Cosmos 'Sensation'	10%
Redtop	5%
Golden Tickseed	5%
Maryland Senna	5%
Showy Tickseed	5%
Fox Sedge	2.5%
Soft Rush	2.5%
Woolgrass	2.5%
Swamp Verbena	2.5%
Apply @ 25lbs per acre	Apply @ 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

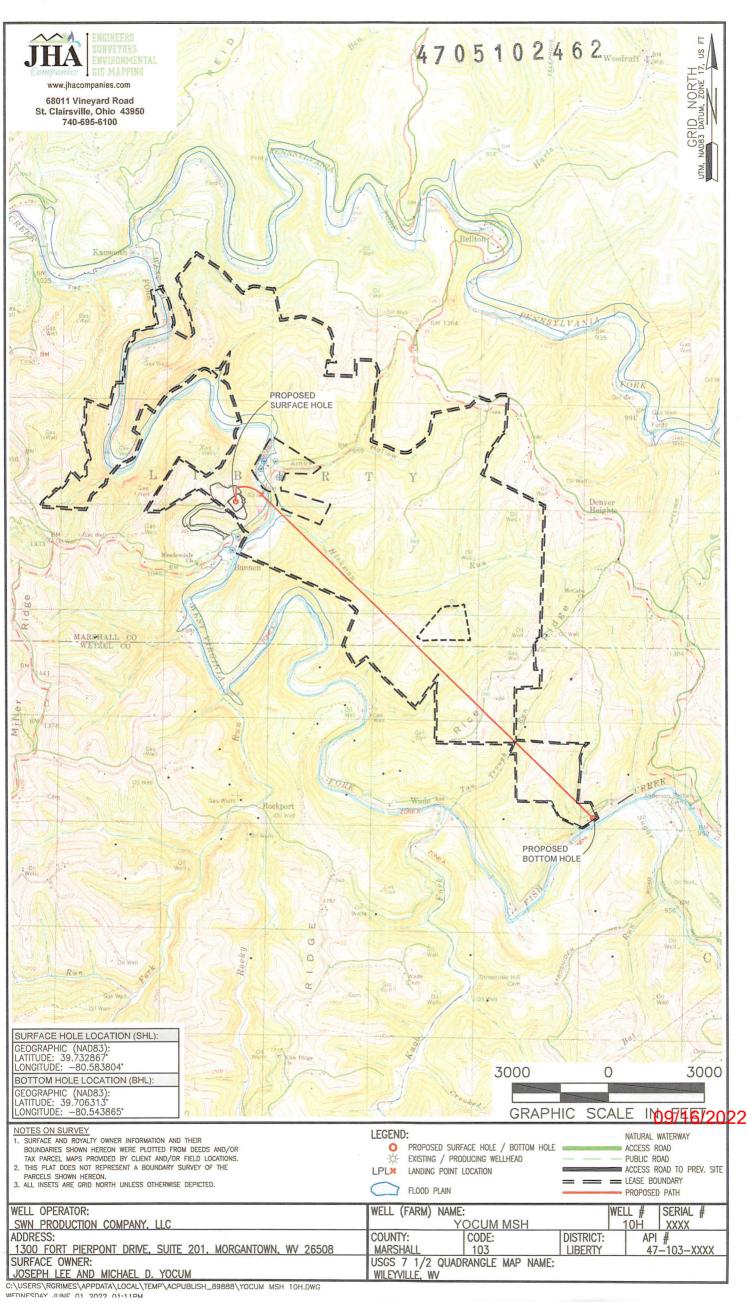
API NO. 47-XXX-XXXXX
WELL NAME: Yocum MSH 10H
Littleton QUAD
Liberty DISTRICT
Ohio COUNTY, WEST VIRGINIA

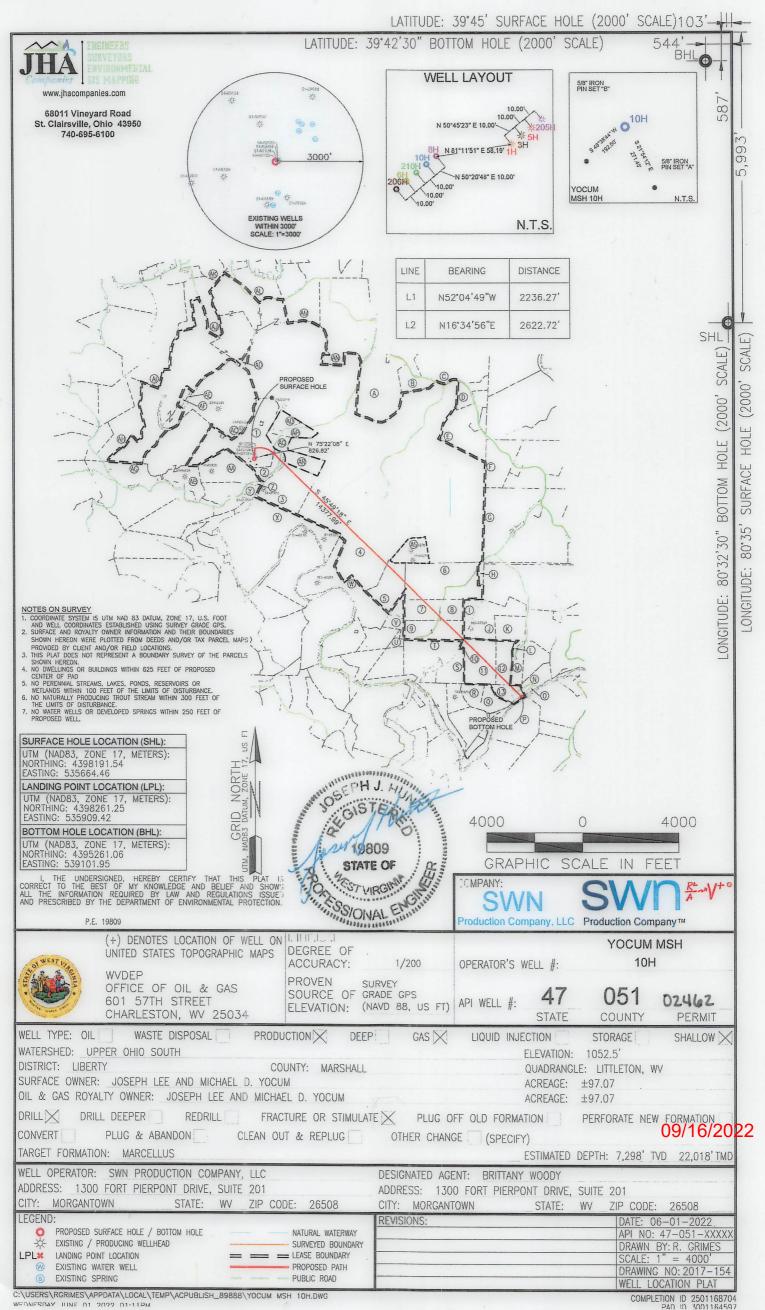
RECEIVED Office of Oil and Gas JUN 2 3 2022

WV Department of Environmental Protection

Submitted by:	
Name: Brittany Woody Suttany Woody	Date: <u>5/31/2022</u>
Title: Senior Regulatory Analyst	SWN Production Co., LLC
Approved by:  Name: Harpe To	Date: (e/16/2022
Approved by:	
Name:	Date:
Title:	

SWN PRODUCTION COMPANY, LLC - CONFIDENTIAL





	WELL BOY	RE TABLE FOR SURFACE/ROYALTY OWNE	RS		
TRACT	SURFAC	E OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL		
1	YOU	CUM JOSEPH LEE & MICHAEL D	7-26-9		
TRACT	MA MARIE	TAX PARCEL			
2	S <sup>-</sup>	7-27-4.2			
3	-	LLEKOOP PETER B ET UX - TOD	7-27-11		
4	WV	A WILDLIFE RESOURCES SECTION	7-24-1		
5	W	VILLIAMS KATHERINE E TRUST	1-3-1		
6		W EST & ABEREGG WILLIAM D ETAL L/E	1-3-2		
		ABEREGG DA			
7		WILLIAMS LONNIE L WILLIAMS JOHN EDWARD	1-3-7		
9		WILLIAMS JOHN EDWARD	1-3-9		
10		CBC HOLDINGS LLC	3-1-8.1		
11		DRAHEIM GARY W JR ETAL	3-1-9		
12	DF	RAHEIM GARY WAYNE JR ETAL	3-1-10		
13	V	VAYNE CARMINT REALTY LLC	3-1-19		
		ADJOINING OWNERS TABLE			
TRACT		SURFACE OWNER	TAX PARCEL		
Α	G	RESHAW JASON M & MARY L	7-25-2		
В		BROWN ANDREW C III	7-25-6		
С		HARRINGTON CLYDE F	7-25-7		
D	W VA DE	PT OF COMMERCE DIV OF NATURAL RESOURCES	7-25-9		
E	CONAWAY	THOMAS EARL JR & CAROLYN K STOWE	7-25-12		
F	- COMMON	CONAWAY THOMAS E	7-23-12		
G	DRENIDER	GAST MICHAEL J & SUELLEN LEMLEY	7-23-26		
Н		NG LONNY DAVID & LINDA SUE	1-3-2.1		
1	LO	JOHNSON VERNON S EST	3-1-1		
J		DRAHEIM HERBERT P ET AL	3-1-6		
K		DRAHEIM HERBERT P ETAL	3-1-5		
L			3-1-11		
M		MILLIKEN KEVIN R ETAL			
N	MILLIKEN KEVIN R ETAL		3-1-12		
0	GORBY GREGORY A & CYNTHIA D		3-1-14		
P	CONSOLIDATED GAS TRANS CORP				
	CONSOLIDATED GAS TRANSMISSION		3-1-32		
Q	CONSOLIDATED GAS TRANS CORP		3-1-20		
R	CONSOLIDATED GAS TRANS CORP		3-1-21		
T		MILLIKEN KEVIN R ETAL			
U		MCGUFFIE ARCH	1-6-5 UNKNOWN		
		UNKNOWN			
W		CONSOLIDATED GAS TRANSMISSION	1-3-5		
		SEIDLER EARL DALE & NETTIE	1-2-6.1		
X	Vt	ELLEKOOP PETER B ET UX - TOD	7-27-13		
Z		HIGH PHILIP D			
AA	-	OCUM MICHAEL DAVID ET AL	7-27-4.1		
	YU	CUM JOSEPH LEE & MICHAEL D			
AB		HORNER DELORSE A	7-26-10		
AD	CO	NSOLIDATED GAS SUPPLY CORP			
AE		BUZZARD COLIN R	7-26-3 7-26-11.1		
AF		BUTLER JOHN M & LISA A	7-26-11.1		
AG		HUNDRED RESOURCES INC	7-26-11		
AH		RIGGS JOHN E JR & DELANA	7-27-2		
Al	CDIDOT	MORGAN JAMES E - LIFE	7-26-14		
AJ		I M PEGGY REVOCABLE LIVING TRUST	7-19-28		
	-	FROMHART BRAD ET UX - LIFE			
AK		UNDERDONK ALAN	7-16-25.1		
		BURLEY AMMON ET UX	7-20-12		
AM		BURLEY AMMON A	7-20-24		
AN	1	BURLEY AMON A	7-20-37		
AO		GEDEON DANIEL D ET UX	7-26-6		
AP		ELLEKOOP PETER B ET UX - TOD	7-26-6.1		
AQ	-	ELLEKOOP PETER B ET UX - TOD	7-26-6.2		
AR		ELLEKOOP PETER B ET UX - TOD	7-27-10.1		
AS	WADE MIC	HAEL CLAY & MCCELLAND LAWRENCE W - TOD ET AL	7-24-6		

				09/16/2022	
REVISIONS:	COMPANY:	COMPANY: SWN Production Company, LLC		SW Production Company TM	
	OPERATOR'S WELL #: 47-051-	YOCUM N 02462 10H	/ISH	DATE: 06-01-2022 API NO: 47-051-XXXXX DRAWN BY:R. GRIMES	
	DISTRICT: LIBERTY	COUNTY: MARSHALL	STATE: WV	SCALE: N/A DRAWING NO:2017-154 WELL LOCATION PLAT	

WW-6A1
(5/13)

Operator's Well No.	Yocum MSH 10H
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## INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE Chapter 22, Article 6A, Section 5(a)(5) IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

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

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Lease Name or Number

Grantor, Lessor, etc.

Grantee, Lessee, etc.

Royalty

Book/Page

### See Exhibit

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

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

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

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

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

Well Operator:	or: SWN Production Company, LLC		
By:	san		
Its:	Staff Landman		

10H

4705102462

Tract umber	Tax Parcel	Lessor	Lessee	Royalty	BK/PG	% Interest Not Leased by SWI
1	p/o 7-26-9 (86.103 ac)	W.E. Franklin, Ira M. Franklin & Emma Franklin, husband and wife, John A. Franklin & Mollie Franklin, husband and wife, Mary S. Franklin, widow, M.J. Brooks & Clint Brooks, wife and husband, Edith White & J.F. White, wife and husband, and Laura Franklin, widow	L.F. Burley	13.75%	186/284	0.00%
		L.F. Burley Heirs	The Manufacturers Light and Heat Company		2/269	
		The Manufacturers Light and Heat Company	Columbia Gas Transmission Corporation		422/204	
		Columbia Gas Transmission Corporation	Columbia Natural Resources, LLC		642/281	
		Columbia Gas Transmission Corporation	Chesapeake Appalachia, LLC		662/322	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		36/422	
	p/o 7-26-9	I.D. Franklin and Bessie J. Franklin, his wife	The Manufacturers Light and Heat Company	12.50%	209/168	
	(30.7 ac)	The Manufacturers Light and Heat Company	Columbia Gas Transmission Corporation		422/204	
		Columbia Gas Transmission Corporation	Columbia Natural Resources, LLC		642/281	
		Columbia Gas Transmission Corporation	Chesapeake Appalachia, LLC		662/322	
		Chesapeake Appalachia, LLC	Statoilhydro USA Onshore Properties Inc.		675/279	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	
		Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		33/424	
2	7-27-4.2	I.D. Franklin and Bessie J. Franklin, husband and wife	The Manufacturers Light and Heat Company		209/168	0.00%
		The Manufacturers Light and Heat Company	Columbia Gas Transmission Corporation		422/204	
		Columbia Gas Transmission Corporation	Columbia Natural Resources, LLC		642/281	
		Columbia Gas Transmission Corporation	Chesapeake Appalachia, LLC		662/322	
		Chesapeake Appalachia, LLC	Statoilhydro USA Onshore Properties Inc.		675/279	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	
		Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		33/424	
3	7-27-11	Ralph W. Evans and Nellie F. Evans, his wife; Brooks B Evans and Sara E. Evans, his wife; Harold P. Evans and Maude Evans, his wife		12,50%	299/327	0.00%
		The Manufacturers Light and Heat Company	Columbia Gas Transmission Corporation		422/204	
		Columbia Gas Transmission Corporation	Columbia Natural Resources, LLC		642/281	
		Columbia Gas Transmission Corporation	Chesapeake Appalachia, LLC		662/322	
		Chesapeake Appalachia, LLC	Statoilhydro USA Onshore Properties Inc.		675/279	
		Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc.	SWN Production Company, LLC SWN Exchange Titleholder LLC		33/110 33/424	
					135,350	
4	7-24-1 p/o 7-24-1	Royalty Owner  Robert W. Conaway Jr., a single man	n/a SWN Production Company, L.L.C.	n/a 16%	n/a 932/636	9.65%
	(115.88 ac)					
		Amy M. Schleicher, married dealing in her sole and separate property Carolyn Stowe, married dealing in her sole and	SWN Production Company, LLC SWN Production Company, LLC	18%	1130/482	
		separate property Charles Wayne Geho, married dealing in his sole and	SWN Production Company, LLC	0.16	1104/385	
		separate property David and Shirley Katzmeyer, a married couple	SWN Production Company, LLC	17%	1107/328	
		Donald Scott Conaway, a single man  Eric Katzmeyer, married dealing in his sole and	SWN Production Company, LLC SWN Production Company, LLC	16% 17%	932/629 1107/332	
		separate property Franklin T. Barrett, married dealing in his sole and	and the state of t		1107/292	
		separate property	SWN Production Company, LLC	17%	127	
		George L. Hale, married dealing in his sole and separate property	SWN Production Company, LLC	17%	1107/316	
		Gertrud Yeager, Trustee of the Gertrud Yeager 2002 Revocable Trust Agreement, dated September 17, 2002, as amended and restated on May 4, 2009	SWN Production Company, LLC	17%	1108/32	
		Hulda Marie Gilbertson-Wayt, a/k/a Hilda Marie Gilbertson-Wayt, married dealing in her sole and separate property, Life Estate, and Kimberly Ann Wayt, single, Remainderman and Kerry Dean Wayt, single Remainderman	SWN Production Company, LLC	18%	1111/202	
		Jeffrey L. Fish, married dealing in his sole and	SWN Production Company, LLC	17%	1106/85	RECEIVED

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					•
	John B. Wanchick, a/k/a John B. Wanchik, a married	Chesapeake Appalachia, L.L.C.	17%	833/213	
	man dealing in his sole and separate property				
	Chesapeake Appalachia, LLC	Statoilhydro USA Onshore Properties Inc.		675/279	1
	Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	
	Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		33/424	
			17%	1108/142	
	John Yeager, married dealing in his sole and separate	SWN Production Company, LLC	1770	1100/142	
	property Krystal K. Camp, married dealing in her sole and	SWN Production Company, LLC	17%	1106/81	
	separate property	, , , , , , , , , , , , , , , , , , ,			
	Mary Lou Rubini, widow	SWN Production Company, LLC	17%	1119/159	
	Michael A. Fish, married dealing in his sole and	SWN Production Company, LLC	17%	1106/77	
	separate property	• •			
	Michael O. Wanchick, a/k/a Michael O. Wanchik, a	Chesapeake Appalachia, L.L.C.	17%	833/208	
	married man dealing in his sole and separate property				
				675/270	
	Chesapeake Appalachia, LLC	Statoilhydro USA Onshore Properties Inc.		675/279	
	Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	
	Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		33/424	
	Patricia Loy, a/k/a Elsie Patricia Loy, by and through	SWN Production Company, LLC	17%	1104/389	
	her attorney-in-fact, Gary W. Loy				
	Richard J. McHenry, Sr., a married man dealing in his	SWN Production Company, LLC	17%	976/79	
	sole and separate property	CHAIR David Control Control LLC	170/	1120/510	
	Roger Lee Cain II	SWN Production Company, LLC	17%	1129/518	
	Sharon N. Zeppernick, married dealing in her sole and	SWN Production Company, LLC	17%	1106/37	
	separate property	TH Exploration, LLC	19%	894/489	
	Stone Hill Minerals Holdings, LLC	•	1376		I
	TH Exploration, LLC	SWN Production Company, LLC and Statoil USA		41/299	
	Stone Hill Minerals Holdings 11.C	Onshore Properties, Inc. TH Exploration, LLC	19%	261A/890	
	Stone Hill Minerals Holdings, LLC	·	1576	•	
	TH Exploration, LLC	SWN Production Company, LLC		41/299	1
	Tara DeLeon	and Statoil USA Onshore Properties Inc. SWN Production Company, LLC	18%	1131/435	
		• •	17%	1112/616	
	The First Assembly of God Church, Todd Troyer, Pastor	SWN Production Company, LLC	1776	1112/010	
	Thomas D. Conaway, married dealing in his sole and	SWN Production Company, LLC	17%	1119/148	
	separate property Timothy N. Burley, married dealing in his sole and	SWN Production Company, LLC	17%	1107/308	
	separate property				
	Wayne E. Burley, single	SWN Production Company, LLC	17%	1107/260	].
	West Virginia Minerals, Inc.	SWN Production Company, LLC	20%	1136/193	
	Columbia Gas Transmission		6.25%	642/281	ļ.
p/o 7-24-1	Gertrud Yeager, Trustee of the Gertrud Yeager 2002	SWN Production Company, LLC	17.00%	1108/32	
(26 ac)	Revocable Trust Agreement, dated September 17, 2002, as amended and restated on May 4, 2009				
	John Yeager, married dealing in his sole and separate	SWN Production Company, LLC	17.00%	1108/142	
	property				
	L. Gene Gray	SWN Production Company, LLC	17.00%	1104/393	
	Ralph W. Evans and Nellie F. Evans, his wife; Lindsey L	· ·	12.50%	446/125	
	Burley and Martha Burley, his wife; Charles W. Burley,				
	single; Leroy Burley and Leona Burley, his wife; Ethel				
	Cain, single; Charles Geho and Norma Geho, his wife;				
	Columbia Gas Transmission Corporation	Columbia Natural Resources, LLC		642/281	l
	Columbia Gas Transmission Corporation	Chesapeake Appalachia, LLC		662/322	l
	Chesapeake Appalachia, LLC	Statoilhydro USA Onshore Properties Inc.		675/279	
	Chesapeake Appalachia, LLC	· · · · · · · · · · · · · · · · · · ·			l
	. ,, .	SWN Production Company, LLC		36/422	
	Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	
	Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		33/424	
	John B. Wanchick, a/k/a John B. Wanchik, a married	Chesapeake Appalachia, L.L.C.	17.00%	833/228	
	man dealing in his sole and separate property			•	
					RECEIVED
	Michael O. Wanchick, a/k/a Michael O. Wanchik, a	Chesapeake Appalachia, L.L.C.	17.00%	833/223	RECEIVED Gas
	married man dealing in his sole and separate property				Office of Oil and Gas
	Chesapeake Appalachia, L.L.C.	Stateilhydro LISA Onehore December 1		22/47	a dahaa
		Statoilhydro USA Onshore Properties Inc.		33/47	AUG 1 9 2022
	Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	
	Sharon E. Potts, a single woman	Chesapeake Appalachia, L.L.C.	17.00%	818/422	MV Departments of
	Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		33/59	WA Nebaure
	Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	Environmental Protection
	Gary L. Yoho, a single man	Chesapeake Appalachia, L.L.C.	17.00%	818/428	I
	Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		33/59	
	Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	l
		· <i>"</i>			1

	Richard L. Yoho, a single man	Chesapeake Appalachia, L.L.C.	17.00%	818/434		
	Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		33/59		
	Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110		
	Stone Hill Minerals Holdings, LLC	TH Exploration, LLC	15.00%	894/489		
	TH Exploration, LLC	SWN Production Company, LLC		41/299		
p/o 7-24-1	William D. Bonar and Gloria A. Bonar, his wife	and Statoil USA Onshore Properties Inc. Chesapeake Appalachia, L.L.C.	17.00%	746/271		
(54.085 ac)	Character Americania III C	State il LISA Onchara Branastias Inc		27/50		
	Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.		33/110	ļ	
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/424		
	Chesapeake Appalachia, L.L.C.	SWN Exchange Titleholder LLC	17.00%	747/270		
	Lee D. Bonar and Bonnie M. Bonar, his wife	Chesapeake Appalachia, L.L.C.	17.00%	27/50		
	Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.				
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110		
	Chesapeake Appalachia, L.L.C.	SWN Exchange Titleholder LLC	47.000	33/424		
	Joseph W. Caseman and Gretchen V. Caseman, his wife	Chesapeake Appalachia, L.L.C.	17.00%	747/600		
	Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.		27/50		
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110		
	Chesapeake Appalachia, L.L.C.	SWN Exchange Titleholder LLC		33/424		
	Russell Lee Smith and Marybelle Smith, his wife	Chesapeake Appalachia, L.L.C.	17.00%	747/623		
	Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.		27/50		
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110		
	Chesapeake Appalachia, L.L.C.	SWN Exchange Titleholder LLC		33/424		
	John Bernard Smith and Ethel Rose Smith, his wife	Chesapeake Appalachia, L.L.C.	17.00%	748/436		
	Character Association 1.1.C	State II LICA Onehous Busyantina Inc		27/50		
	Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.		27/50		
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110		
	Chesapeake Appalachia, L.L.C.	SWN Exchange Titleholder LLC		33/424		
	George Leroy Smith and Evelyn F. Smith, his wife	Chesapeake Appalachia, L.L.C.	17.00%	748/442		
	Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.		27/50		
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110		
	Chesapeake Appalachia, L.L.C.	SWN Exchange Titleholder LLC		33/424		
	Clyde W. Caseman and Alicia L. Caseman, his wife	Chesapeake Appalachia, L.L.C.	17.00%	748/401		
	Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.		27/50		
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110		
	Chesapeake Appalachia, L.L.C.	SWN Exchange Titleholder LLC		33/424		
	Nancy L. Rodgers, f/k/a Nancy Matthews and William		17.00%	748/527		
	I. Rodgers, her husband		_,,,,,,,,			
	Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.		27/50		
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110		
	Chesapeake Appalachia, L.L.C.	SWN Exchange Titleholder LLC		33/424		
	Sandra K. Groux and Harry W. Groux, her husband	Chesapeake Appalachia, L.L.C.	17.00%	748/503		
	Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.		27/50		
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110		
	Chesapeake Appalachia, L.L.C.	SWN Exchange Titleholder LLC		33/424		
	Roberta M. Snyder, a/k/a Roberta Mary Clark, a widow	Chesapeake Appalachia, L.L.C.	17.00%	749/96		
	Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.		27/50		
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110		
	Chesapeake Appalachia, L.L.C.	SWN Exchange Titleholder LLC		33/424		
	Robert Clark Adams and Charlotte A. Adams, his wife	=	17.00%	749/622		
	Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.		27/50		
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110		
	Chesapeake Appalachia, L.L.C.	SWN Exchange Titleholder LLC		33/424		
	The Mary Kathryn Ray Revocable Trust, Dated	Chesapeake Appalachia, L.L.C.	17.00%	750/118		
	December 18, 1998, by Mary Kathryn Ray, acting as Trustee			• ==	RECEIVED	
	rustee Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.		27/50	Office of Oil and	Gas
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	٠ ا ا	000
	Chesapeake Appalachia, L.L.C.	SWN Exchange Titleholder LLC		33/424	AUG 1 9 2	UZZ
	Dorothy E. Wheeler, a widow	Chesapeake Appalachia, L.L.C.	17.00%	750/111		
	Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.		27/50	WV Departmen	at of
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110		
	Chesapeake Appalachia, L.L.C.	SWN Exchange Titleholder LLC		33/424	Environmental Pro	JEGUU!
	Paul Charles Adams, a single man	Chesapeake Appalachia, L.L.C.	17.00%	750/169		
			27.0070	7 200	1	

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Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.			27/50	1	
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC			33/110		
• • • • • • • • • • • • • • • • • • • •	SWN Exchange Titleholder LLC			33/424		
Chesapeake Appalachia, L.L.C.			17.00%	751/167		
The Estate of Richard L. Bonar, by Saundra J. Bonar, acting as Executor and Saundra J. Bonar, a widow	Chesapeake Appalachia, L.L.C.		17.00%	7327207		
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.			27/50		
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC			33/110		
Chesapeake Appalachia, L.L.C.	SWN Exchange Titleholder LLC			33/424		
Bruce D. Bonar And Sandra C. Bonar, his wife	Chesapeake Appalachia, L.L.C.		17.00%	751/608		
	Statoil USA Onshore Properties, Inc.			27/50		
Chesapeake Appalachia, L.L.C.				33/110		
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC					
Chesapeake Appalachia, L.L.C.	SWN Exchange Titleholder LLC			33/424		
Charles W. Bonar And Charlotte L. Bonar, his wife	Chesapeake Appalachia, L.L.C.		17.00%	755/109		
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.			27/50		
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC			33/110		
Chesapeake Appalachia, L.L.C.	SWN Exchange Titleholder LLC			33/424		
Ronald E. Bonar, a single man	Chesapeake Appalachia, L.L.C.		17.00%	754/616		
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.			27/465		
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC			33/110		
Chesapeake Appalachia, L.L.C.	SWN Exchange Titleholder LLC			33/424		
Christopher G. Adams and Erica Adams, his wife	Chesapeake Appalachia, L.L.C.		17.00%	761/402		
•			17.00%	28/461		
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.			-		
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC			33/110		
Derrick H. Adams and Suzanne Adams, his wife	Chesapeake Appalachia, L.L.C.		17.00%	761/395		
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.			28/461		
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC			33/110		
Mary T. Zito, f/k/a Mary T. Nesbitt, f/k/a Mary Bonar	Chesapeake Appalachia, L.L.C.		17.00%	764/201		
Nesbitt, a widow Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.			31/246		
				-		
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC			33/110		
Chesapeake Appalachia, L.L.C.	SWN Exchange Titleholder LLC			33/424		
The Estate of John William Orr, Sr., by Linda O. Morgan, a/k/a Linda Orr Morgan, Acting As Executrix, Linda O. Morgan, a/k/a Linda Orr Morgan and Gary D. Morgan, her husband and John W. Orr, Jr., a/k/a John William Orr, Jr. And Susan J. Orr, his wife	Chesapeake Appalachia, L.L.C.		17.00%	768/154		
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.			28/461		
	, ,			•		
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		47.000	33/110		
Richard Cunliffe Edwards, a/k/a Richard Cunliff Edwards, a widower	Chesapeake Appalachia, L.L.C.		17.00%	775/409		
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.			29/90		
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC			33/110		
Donna R. Walker, a widow	Chesapeake Appalachia, L.L.C.		17.00%	777/475		
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.			29/90		
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC			33/110		
Dorothy Patterson, a single woman	Chesapeake Appalachia, L.L.C.		17.00%	777/481		
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.			29/90		
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC			33/110		
Malcolm V. Smith, Jr., a widower	Chesapeake Appalachia, L.L.C.		17.00%	777/487		
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.		17.00%			
Arnell Elizabeth Bowser and Glen F. Bowser, her	• •		47.000	29/90		
husband	Chesapeake Appalachia, L.L.C.		17.00%	777/28		
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc.			29/90		
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC			33/110		
David B. Sligar, a married man dealing in his sole and separate property	SWN Production Company, L.L.C.		17.00%	956/248		
Cornelia C. Browne, widow	SWN Production Company, LLC		16.00%	955/350	RECE	IVED
Cliff Sligar, a married man dealing in his sole and	SWN Production Company, L.L.C.		17.00%	956/244	Office of Di	
separate property Patricia Austin Meyer, married dealing in her sole and	SWN Production Company, LLC		17.00%	957/589		<i>;</i> •
separate property Brian Harris Bonar, Power of Attorney for Kathrine L.					AUG 1	<b>9</b> 2022
Bonar, widow			16.00%	951/337		
Thomas Edwards, married dealing in his sole and separate property	SWN Production Company, LLC		17.00%	962/430	WV Depar Ervironmenta	
Suzanne Patrick, f/k/a Suzanne Edwards, married dealing in her sole and separate property	SWN Production Company, LLC		17.00%	964/66	mi. Audillisa (fS	as F TOLOUR
	,					

	McCutcheon Family, LLC	SWN Production Company, LLC	17.00%	957/535	1
	Nelda S. Clark, widow	SWN Production Company, LLC	16.00%	955/243	
	Richard Edwards, married dealing in his sole and	SWN Production Company, LLC	17,00%	961/213	
	separate property	Strivious company, etc	- F114-411	Tringer.	
	Susan Dianne Clark Neidlinger, divorced	SWN Production Company, L.L.C.	18.00%	963/70	
	David Edwards, single	SWN Production Company, LLC	12.50%	1046/565	
p/o 7-24-1 (21.30 ac)	Hayhurst Company, A Florida General Partnership	Chesapeake Appalachia, L.C.C.	17%	708/66	
645757	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
	Chesapeake Appalachia, L.L.C.	SWN Exchange Titleholder LLC		33/424	
1-3-1	Royalty Owner	n/a	n/a	n/a	12.56%
	Ammon A. Burley and Flora J. Burley, his wife	SWN Production Company, LLC	17%	259A/787	
	Annette Aldine Lloyd, widow	SWN Production Company, LLC	17%	261A/57	
	Barbara Burley, single	SWN Production Company, LLC	17%	265A/440	
	Beulah Kathleen Mackey, widow	SWN Production Company, LLC	17%	260A/537	
	Carolyn Stowe, married dealing in her sole and	SWN Production Company, LLC	17%	264A/153	
	separate property		250	255 4 627	
	Charles W. Geho, married dealing in his sole and separate property	SWN Production Company, LLC	16%	255A/677	1
	Donald Marlin Watkins, a/k/a Marlin Watkins and Myra L. Watkins, his wife	SWN Production Company, LLC	17%	259A/103	
	Donald Scott Conaway	SWN Production Company, LLC	17%	285A/153	
	Edward L. Conaway	SWN Production Company, LLC	17%	270A/453	
	Elizabeth Ann Cain, single	SWN Production Company, LLC	17%	269A/316	
	Franklin T. Barrett, married dealing in his sole and separate property	SWN Production Company, LLC	17%	258A/5	
	George L. Hale, married dealing in his sole and separate property	SWN Production Company, LLC	17%	259A/91	
	Jeffrey L. Fish, married dealing in his sole and separate property	SWN Production Company, LLC	17%	258A/9	
	Karen J. Jones, single	SWN Production Company, LLC	17%	264A/163	
	Kathy J. Hoopes, f/k/a Kathy Jo Watkins, married dealing in her sole and separate property	SWN Production Company, LLC	17%	259A/99	
	Krystal K. Camp, married dealing in her sole and	SWN Production Company, LLC	17%	258A/17	
	separate property Michael A. Fish, married dealing in his sole and	SWN Production Company, LLC	17%	258A/13	
	separate property Michael Ross, a married man dealing in his sole and separate property	SWN Production Company, LLC	18%	202A/929	
	Robert Carlton Cain	SWN Production Company, LLC	18%	281A/471	
	Robert Burley, married dealing in his sole and	SWN Production Company, LLC	17%	259A/820	1
	separate property Ronald W. Conaway	SWN Production Company, LLC	17%	271A/341	0 111
	Roger Lee Cain	SWN Production Company, LLC	18%	281A/465	
	Sharon N. Zeppernick, married dealing in her sole and separate property		17%	258A/522	
	The First Assembly of God Church, Todd Troyer, Pastor	SWN Production Company, LLC	17%	261A/852	1
	Thomas D. Conaway, married dealing in his sole and separate property	SWN Production Company, LLC	17%	265A/446	
	Three Rivers Royalty II LLC	SWN Production Company, LLC	17%	279A/605	
	Timothy N. Burley, married dealing in his sole and separate property	SWN Production Company, LLC	17%	259A/87	
	Wayne E. Burley, single	SWN Production Company, LLC	17%	258A/530	
	BRC Appalachian Minerals LLLC	BRC Working Interest Company, LLC	16%	103A/320	
	BRC Working Interest Company, LLC	Chesapeake Appalachia, LLC	2010	103A/470	
	Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540	
	Chesapeake Appalachia, LLC	Statoil USA Onshore Properties Inc.		120A/109	
	Statoil USA Onshore Properties, Inc.	SWN Exchange Titleholder LLC		158A/801	
5 1-3-2	Royalty Owner	n/a	n/a	n/a	0.52%
300	Anna L. Buzzard, a single woman	Chesapeake Appalachia, L.L.C.	12.50%	90A/1	0.757
	Chesapeake Appalachia, L.L.C.	Statoilhydro USA Onshore Properties Inc.		97A/578	
	Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		157A/540	RECEIVED
	Chesapeake Appalachia, L.L.C.	SWN Exchange Titleholder LLC		158A/801	KEUEIVED
	Creta G. Kilcoyne, a widow, by her Attorney-in-Fact,	Chesapeake Appalachia, L.L.C.	12.50%	90A/78	Office of Oil and
	Barbara J. Kilcoyne Chesapeake Appalachia, L.L.C.	Statoilhydro USA Onshore Properties Inc.	12.30/0	97A/578	AUG 1 9 2
	Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		157A/540	riui.
		The second standard present			
		SWN Exchange Titleholder LLC		1584/801	
	Chesapeake Appalachia, L.L.C.  Joanne R. Hobbs, a married woman dealing in her sole and separate property	SWN Exchange Titleholder LLC Chesapeake Appalachia, L.L.C.	12.50%	158A/801 90A/136	الع العداد العالم الماليات العالم

	Account to a contract to a	cum production Charles (1) C		157A/540	
	Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C. SWN Exchange Titleholder LLC		158A/801	
	Black Bear Oil and Gas, LLC, a Limited Liability	Chesapeake Appalachia, L.L.C.	17%	156A/482	
	Company	and appeared repaid and a second			
	Chesapeake Appalachia, L.L.C.	Statoilhydro USA Onshore Properties Inc.		139A/506	
	Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		157A/540	
	Chesapeake Appalachia, L.L.C.	SWN Exchange Titleholder LLC		158A/801	
	DJK Oil & Gas Sugar Run, L.L.C.	Chesapeake Appalachia, L.L.C.	18% - Gas	128A/659	
	Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.	1/8 - Oil	165A/673	
	Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		167A/9	
	Donna McGlone	SWN Production Company, L.L.C.	16%	186A/258	
	Alan R. Bradley	SWN Production Company, L.L.C.	16%	187A/685	
	Max Hinerman and Loretta Hinerman, his wife	SWN Production Company, LLC	16%	187A/687	
	Faye Ann Gore	SWN Production Company, LLC	16%	187A/689	
	Jan Rose Smallwood	SWN Production Company, LLC	16%	188A/880	
	Lana B. Kuhl	SWN Production Company, LLC	12.50%	188A/482	
	Dwight D. Hall and Patti Jo Hall, husband and wife	SWN Production Company, LLC	16%	200A/7	
				0044/570	
	James L. Hall	SWN Production Company, LLC	16%	201A/572	
	James Smith, Jr., a single man	SWN Production Company, LLC	12.50%	199A/924	
	Karen Sue Measley, f/k/a Karen Sue Francis Hall and Ross Edwin Measley, Jr., her husband	SWN Production Company, LLC	16%	200A/1	
	Marlene Kay Musgrave and Wayne T. Musgrave, wife and husband	SWN Production Company, LLC	16%	202A/30	
	Patricia Wheeler Castelli a/k/a Patricia Ann Hall Wheeler a/k/a Patricia Ann Hall Smith, married, dealing in sole and separate property	SWN Production Company, LLC	12.50%	198A/155	
	Sue Carol Anglin, widow	SWN Production Company, LLC	16%	199A/943	
	Thomas G. Hall, a married man dealing in his sole and		16%	199A/938	
	separate property DJK Oil & Gas LLC	SWN Production Company, LLC	18%	277A/117	
7 1-3-7	Royalty Owner (subject to unitization filing dated June	o n/a	n/a	n/a	100.00%
	7, 2022)	A	10.0		1000
8 1-3-9	Docket No. 307-311 Royalty Owner	Order No. 1	n/a	n/a	3.27%
	Ammon A. Burley and Flora J. Burley, his wife	SWN Production Company, LLC	17%	270A/463	2017
		Salara de la caractería de la casa de la cas	5.00		
	Barbara Burley, single	SWN Production Company, LLC	17%	269A/554	
	Donald Marlin Watkins, a/k/a Marlin Watkins and Myra L. Watkins, his wife	SWN Production Company, LLC	17%	269A/598	
	DWG Oil and Gas Acquisitions, LLC	SWN Production Company, LLC	17%	277A/531	
	Karen J. Jones	SWN Production Company, LLC	17%	282A/504	
	Kathy J. Hoopes, f/k/a Kathy Jo Watkins, married	SWN Production Company, LLC	17%	269A/304	
	dealing in her sole and separate property	7.7.	57.0	4400,000	
	Robert Burley, married dealing in his sole and separate property	SWN Production Company, LLC	17%	269A/298	
	Thomas David Conaway	SWN Production Company, LLC	17%	279A/676	
	Wayne Edward Burley, a/k/a Wayne E. Burley	SWN Production Company, LLC	17%	270A/447	
	Annette Aldine Lloyd, a/k/a Annette A. Lloyd, a widov		18%	140A/542	
			0.73		
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
	Statoilhydro USA Onshore Properties Inc.	SWN Production Company, LLC		158A/801	171
	SWN Production Company, LLC	Antero Resources Corporation		177A/533	
	Statoilhydro USA Onshore Properties Inc.	Antero Resources Corporation		177A/738	
	Antero Resources Corporation	SWN Production Company, LLC/Equinor USA Onshore Properties, Inc		272A/588	. 110
	Beulah Kathleen Mackey	Antero Resources Corporation	18%	205A/512	
	Antero Resources Corporation	EQT Production Company		231A/59	
	EQT Production Company	SWN Production Company, LLC		279A/35	
	Carolyn Stowe	Antero Resources Corporation	18%	209A/584	20000
	Antero Resources Corporation	SWN Production Company, LLC		272A/588	RECEIVED
	Charles W. Geho and Sandra D. Geho, husband and wife	Antero Resources Corporation	18%	187A/933	Office of Oil and
	Antero Resources Corporation	SWN Production Company, LLC		272A/588	AUG 1 9 20
	Dale H. Williams, a widower	Antero Resources Corporation	18%	204A/489	AUG I D ZU
	Antero Resources Corporation	SWN Production Company, LLC		272A/588	

Environmental Protection

	EQT Production Company	SWN Production Company, LLC/Equinor USA	1676	204A/463	WV Department
	Dale H. Williams, a widower	Onshore Properties, Inc. Antero Resources Corporation	18%	279A/35 204A/489	AUG I V ZUZZ
	EQT Production Company	SWN Production Company, LLC/Equinor USA			AUG 1 9 2022
	Antero Resources Corporation	EQT Production Company		231A/59	Office of Oil and Gas
	Charles W. Geho and Sandra D. Geho, husband and wife	Antero Resources Corporation	18%	187A/933	RECEIVED
		Onshore Properties, Inc.		279A/35	
	EQT Production Company	SWN Production Company, LLC/Equinor USA		231A/59	
	Antero Resources Corporation	Antero Resources Corporation EQT Production Company	18%	209A/584	
	Carolyn Stowe	Onshore Properties, Inc.	tap.	279A/35	
	EQT Production Company	SWN Production Company, LLC/Equinor USA			
	Antero Resources Corporation	EQT Production Company		231A/59	
	Beulah Kathleen Mackey	Antero Resources Corporation	18%	205A/512	
	Barbara Burley, single	Onshore Properties, Inc. SWN Production Company, LLC	17%	272A/588 269A/554	
	Antero Resources Corporation	SWN Production Company, LLC/Equinor USA		2724/500	
	Statoilhydro USA Onshore Properties Inc.	Antero Resources Corporation		177A/738	
	SWN Production Company, LLC	Antero Resources Corporation		177A/533	
	Statoilhydro USA Onshore Properties Inc.	SWN Production Company, LLC		158A/801	
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
	Annette Aldine Lloyd, a/k/a Annette A. Lloyd, a widow		17%	140A/542	
			17%	270A/463	
3 1-3-8	Ammon A. Burley and Flora J. Burley, his wife	n/a SWN Production Company, LLC	n/a	n/a	3.27%
9 1-3-8	Royalty Owner	21-	2.7	3.60	2.770
	Antero Resources Corporation	SWN Production Company, LLC		272A/588	
	separate property		1070		
	Timothy N. Burley, a married man dealing in sole and	SWN Production Company, LLC Antero Resources Corporation	18%	279A/35 208A/223	
	EQT Production Company	EQT Production Company SWN Production Company LLC	18.50%	227A/144 279A/35	
	Three Rivers Royalty	SWN Production Company, L.L.C.	10 500	157A/540	
	The First Assembly of God Church Chesapeake Appalachia, L.L.C.	Chesapeake Appalachia, L.L.C.	17%	140A/686 157A/540	
	Antero Resources Corporation  The First Assembly of God Church	SWN Production Company, LLC	170/	272A/588	
	The Color of the C	SMM Broduction Comments		2704 /000	
	dealing in sole and separate property	The state of the s	10/3	Lucry 01	
	Sharon Neala Barrett Zeppernick, a married woman	Antero Resources Corporation	18%	208A/61	
	Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		157A/540	
	Rosemary Cain and Robert R. Cain, her husband	Chesapeake Appalachia, L.L.C.	18%	140A/537	
	Antero Resources Corporation	SWN Production Company, LLC		272A/588	
	Ronald W. Conaway and Cindy Conaway	Antero Resources Corporation	18%	204A/841	
	Antero Resources Corporation	SWN Production Company, LLC		272A/588	
	Robert W. Conaway, Jr.	Antero Resources Corporation	18%	192A/132	
	separate property Antero Resources Corporation	SWN Production Company, LLC		272A/588	
	Michael A. Fish, a married man dealing in his sole and	Antero Resources Corporation	18%	208A/226	
	Antero Resources Corporation	SWN Production Company, LLC	وتعادا	272A/588	
	Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		157A/540	
	margery remiette fine, ay wa marjone male, a widow	enconference repolition to the	2070	2,07,000	
	Antero Resources Corporation  Margery Jeanette Hale, a/k/a Marjorie Hale, a widow	SWN Production Company, LLC Chesapeake Appalachia, L.L.C.	18%	272A/588 140A/608	
	and separate property	String Section 5		2724 /200	
	Krystal K. Camp, a married woman dealing in her sole	Antero Resources Corporation	18%	207A/855	
	Antero Resources Corporation	SWN Production Company, LLC		272A/588	
	Jeffrey L. Fish, a single man	Antero Resources Corporation	18%	209A/818	
	Antero Resources Corporation	SWN Production Company, LLC		272A/588	
	married man dealing in his sole and separate property				
	Franklin Thomas Barrett, a/k/a Frank Barrett, a	Antero Resources Corporation	18%	208A/64	
	Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		157A/540	
1	Elizabeth Ann Cain, a widow	Chesapeake Appalachia, L.L.C.	18%	140A/25	
	Antero Resources Corporation	SWN Production Company, LLC		272A/588	
	Edward L. Conaway	Antero Resources Corporation	18%	208A/299	- 18
	Antero Resources Corporation	SWN Production Company, LLC		272A/588	
	Donald Scott Conaway	Antero Resources Corporation	18%	209A/444	111
	Antero Resources Corporation	SWN Production Company, LLC		272A/588	1
	and separate property	Antero hesaul des desperation		O and the	1
1	Donald L. Burley, a married man dealing in his sole	Antero Resources Corporation	18%	187A/931	4

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Antero Resources Corporation	EQT Production Company		231A/59
EQT Production Company	SWN Production Company, LLC/Equinor USA		•
	Onshore Properties, Inc. SWN Production Company, LLC		279A/35
Donald Marlin Watkins, a/k/a Marlin Watkins and Myra L. Watkins, his wife	SWN Production Company, LLC	17%	269A/598
Donald Scott Conaway	Antero Resources Corporation	18%	209A/444
Antero Resources Corporation	SWN Production Company, LLC/Equinor USA		/
	Onshore Properties, Inc.		272A/588
DWG Oil & Gas Acquisitions, LLC, William H. Gaston,	SWN Production Company, LLC	17%	277A/531
Managing Member Edward L. Conaway	Antero Resources Corporation	18%	208A/299
Antero Resources Corporation	EQT Production Company		231A/59
EQT Production Company	SWN Production Company, LLC/Equinor USA		
, ,	Onshore Properties, Inc.		279A/35
Elizabeth Ann Cain, a widow	Chesapeake Appalachia, L.L.C.	18%	140A/25
Chesapeake Appalachia, LLC	Statoil USA Onshore Properties Inc.		120A/109
Statoil USA Onshore Properties, Inc.	SWN Exchange Titleholder LLC		158A/801
Statoil USA Onshore Properties, Inc.	Antero Resources Corporation		177A/738
Antero Resources Corporation	SWN Production Company, LLC/Equinor USA Onshore Properties, Inc.		272A/588
Franklin Thomas Barrett, a/k/a Frank Barrett, a	Antero Resources Corporation		
married man dealing in his sole and separate property	,		2021/51
		18%	208A/64
Antero Resources Corporation	EQT Production Company		231A/59
EQT Production Company	SWN Production Company, LLC/Equinor USA Onshore Properties, Inc.		279A/35
James and Colleen Newman	Trans Energy, Inc.	12.50%	91A/762
EQT Production Company	SWN Production Company, LLC/Equinor USA		
, ,	Onshore Properties, Inc.		279A/35
Jeffrey L. Fish, a single man	Antero Resources Corporation	18%	209A/818
Antero Resources Corporation	EQT Production Company		231A/59
EQT Production Company	SWN Production Company, LLC/Equinor USA		279A/35
Karen J. Jones	Onshore Properties, Inc. SWN Production Company, LLC	17%	282A/504
Kathy J. Hoopes, f/k/a Kathy Jo Watkins, married	SWN Production Company, LLC	1776	2027,304
dealing in her sole and separate property	ovvivi ozazion company, zzo		
		17%	269A/304
Krystal K. Camp, a married woman dealing in her sole	Antero Resources Corporation	18%	207A/855
and separate property Antero Resources Corporation	EQT Production Company		231A/59
EQT Production Company	SWN Production Company, LLC/Equinor USA		
	Onshore Properties, Inc.		279A/35
Margery Jeanette Hale, a/k/a Marjorie Hale, a widow	Chesapeake Appalachia, L.L.C.	17%	140A/608
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	1770	157A/540
Statoil USA Onshore Properties, Inc.	SWN Exchange Titleholder LLC		•
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SWN Production Company, LLC	Antero Resources Corporation		158A/801 177A/533
SWN Production Company, LLC Statoil USA Onshore Properties. Inc.	Antero Resources Corporation Antero Exchange Properties, Inc.		177A/533
Statoil USA Onshore Properties, Inc.	Antero Exchange Properties, Inc.		
	•		177A/533
Statoil USA Onshore Properties, Inc. Antero Resources Corporation Michael A. Fish, a married man dealing in his sole and	Antero Exchange Properties, Inc. SWN Production Company, LLC/Equinor USA Onshore Properties, Inc.	400/	177A/533 177A/738 272A/588
Statoil USA Onshore Properties, Inc. Antero Resources Corporation  Michael A. Fish, a married man dealing in his sole and separate property	Antero Exchange Properties, Inc. SWN Production Company, LLC/Equinor USA Onshore Properties, Inc. Antero Resources Corporation	18%	177A/533 177A/738 272A/588 208A/226
Statoil USA Onshore Properties, Inc. Antero Resources Corporation  Michael A. Fish, a married man dealing in his sole and separate property Antero Resources Corporation	Antero Exchange Properties, Inc. SWN Production Company, LLC/Equinor USA Onshore Properties, Inc. Antero Resources Corporation EQT Production Company	18%	177A/533 177A/738 272A/588
Statoil USA Onshore Properties, Inc. Antero Resources Corporation  Michael A. Fish, a married man dealing in his sole and separate property	Antero Exchange Properties, Inc. SWN Production Company, LLC/Equinor USA Onshore Properties, Inc. Antero Resources Corporation  EQT Production Company SWN Production Company, LLC/Equinor USA	18%	177A/533 177A/738 272A/588 208A/226
Statoil USA Onshore Properties, Inc. Antero Resources Corporation  Michael A. Fish, a married man dealing in his sole and separate property Antero Resources Corporation	Antero Exchange Properties, Inc. SWN Production Company, LLC/Equinor USA Onshore Properties, Inc. Antero Resources Corporation EQT Production Company		177A/533 177A/738 272A/588 208A/226 231A/59 279A/35
Statoil USA Onshore Properties, Inc. Antero Resources Corporation  Michael A. Fish, a married man dealing in his sole and separate property Antero Resources Corporation  EQT Production Company  Robert Burley, married dealing in his sole and separate property	Antero Exchange Properties, Inc. SWN Production Company, LLC/Equinor USA Onshore Properties, Inc. Antero Resources Corporation  EQT Production Company SWN Production Company, LLC/Equinor USA Onshore Properties, Inc. SWN Production Company, LLC	17%	177A/533 177A/738 272A/588 208A/226 231A/59 279A/35 269A/298
Statoil USA Onshore Properties, Inc. Antero Resources Corporation  Michael A. Fish, a married man dealing in his sole and separate property Antero Resources Corporation  EQT Production Company  Robert Burley, married dealing in his sole and separate property Robert W. Conaway, Jr.	Antero Exchange Properties, Inc. SWN Production Company, LLC/Equinor USA Onshore Properties, Inc. Antero Resources Corporation  EQT Production Company SWN Production Company, LLC/Equinor USA Onshore Properties, Inc. SWN Production Company, LLC Antero Resources Corporation		177A/533 177A/738 272A/588 208A/226 231A/59 279A/35 269A/298 192A/132
Statoil USA Onshore Properties, Inc. Antero Resources Corporation  Michael A. Fish, a married man dealing in his sole and separate property Antero Resources Corporation  EQT Production Company  Robert Burley, married dealing in his sole and separate property Robert W. Conaway, Jr. Antero Resources Corporation	Antero Exchange Properties, Inc. SWN Production Company, LLC/Equinor USA Onshore Properties, Inc. Antero Resources Corporation  EQT Production Company SWN Production Company, LLC/Equinor USA Onshore Properties, Inc. SWN Production Company, LLC Antero Resources Corporation EQT Production Company	17%	177A/533 177A/738 272A/588 208A/226 231A/59 279A/35 269A/298
Statoil USA Onshore Properties, Inc. Antero Resources Corporation  Michael A. Fish, a married man dealing in his sole and separate property Antero Resources Corporation  EQT Production Company  Robert Burley, married dealing in his sole and separate property Robert W. Conaway, Jr.	Antero Exchange Properties, Inc. SWN Production Company, LLC/Equinor USA Onshore Properties, Inc. Antero Resources Corporation  EQT Production Company SWN Production Company, LLC/Equinor USA Onshore Properties, Inc. SWN Production Company, LLC Antero Resources Corporation EQT Production Company SWN Production Company	17%	177A/533 177A/738 272A/588 208A/226 231A/59 279A/35 269A/298 192A/132
Statoil USA Onshore Properties, Inc. Antero Resources Corporation  Michael A. Fish, a married man dealing in his sole and separate property Antero Resources Corporation  EQT Production Company  Robert Burley, married dealing in his sole and separate property Robert W. Conaway, Jr. Antero Resources Corporation	Antero Exchange Properties, Inc. SWN Production Company, LLC/Equinor USA Onshore Properties, Inc. Antero Resources Corporation  EQT Production Company SWN Production Company, LLC/Equinor USA Onshore Properties, Inc. SWN Production Company, LLC Antero Resources Corporation EQT Production Company	17%	177A/533 177A/738 272A/588 208A/226 231A/59 279A/35 269A/298 192A/132 231A/59
Statoil USA Onshore Properties, Inc. Antero Resources Corporation  Michael A. Fish, a married man dealing in his sole and separate property Antero Resources Corporation EQT Production Company  Robert Burley, married dealing in his sole and separate property Robert W. Conaway, Jr. Antero Resources Corporation EQT Production Company	Antero Exchange Properties, Inc.  SWN Production Company, LLC/Equinor USA Onshore Properties, Inc. Antero Resources Corporation  EQT Production Company SWN Production Company, LLC/Equinor USA Onshore Properties, Inc. SWN Production Company, LLC Antero Resources Corporation EQT Production Company SWN Production Company SWN Production Company, LLC/Equinor USA Onshore Properties, Inc.	17% 18%	177A/533 177A/738 272A/588 208A/226 231A/59 279A/35 269A/298 192A/132 231A/59 279A/35
Statoil USA Onshore Properties, Inc. Antero Resources Corporation  Michael A. Fish, a married man dealing in his sole and separate property Antero Resources Corporation  EQT Production Company  Robert Burley, married dealing in his sole and separate property Robert W. Conaway, Jr. Antero Resources Corporation  EQT Production Company  Ronald W. Conaway and Cindy Conaway	Antero Exchange Properties, Inc. SWN Production Company, LLC/Equinor USA Onshore Properties, Inc. Antero Resources Corporation  EQT Production Company SWN Production Company, LLC/Equinor USA Onshore Properties, Inc. SWN Production Company, LLC Antero Resources Corporation EQT Production Company SWN Production Company SWN Production Company, LLC/Equinor USA Onshore Properties, Inc. Antero Resources Corporation	17% 18%	177A/533 177A/738 272A/588 208A/226 231A/59 279A/35 269A/298 192A/132 231A/59 279A/35 204A/841 231A/59
Statoil USA Onshore Properties, Inc. Antero Resources Corporation  Michael A. Fish, a married man dealing in his sole and separate property Antero Resources Corporation EQT Production Company  Robert Burley, married dealing in his sole and separate property Robert W. Conaway, Jr. Antero Resources Corporation EQT Production Company  Ronald W. Conaway and Cindy Conaway Antero Resources Corporation EQT Production Company	Antero Exchange Properties, Inc. SWN Production Company, LLC/Equinor USA Onshore Properties, Inc. Antero Resources Corporation  EQT Production Company SWN Production Company, LLC/Equinor USA Onshore Properties, Inc. SWN Production Company, LLC Antero Resources Corporation EQT Production Company SWN Production Company SWN Production Company LLC/Equinor USA Onshore Properties, Inc. Antero Resources Corporation EQT Production Company SWN Production Company SWN Production Company SWN Production Company SWN Production Company, LLC/Equinor USA Onshore Properties, Inc.	17% 18%	177A/533 177A/738 272A/588 208A/226 231A/59 279A/35 269A/298 192A/132 231A/59 279A/35 204A/841
Statoil USA Onshore Properties, Inc. Antero Resources Corporation  Michael A. Fish, a married man dealing in his sole and separate property Antero Resources Corporation  EQT Production Company  Robert Burley, married dealing in his sole and separate property Robert W. Conaway, Jr. Antero Resources Corporation  EQT Production Company  Ronald W. Conaway and Cindy Conaway Antero Resources Corporation	Antero Exchange Properties, Inc. SWN Production Company, LLC/Equinor USA Onshore Properties, Inc. Antero Resources Corporation  EQT Production Company SWN Production Company, LLC/Equinor USA Onshore Properties, Inc. SWN Production Company, LLC Antero Resources Corporation EQT Production Company SWN Production Company SWN Production Company, LLC/Equinor USA Onshore Properties, Inc. Antero Resources Corporation EQT Production Company SWN Production Company SWN Production Company, LLC/Equinor USA Onshore Properties, Inc. SWN Production Company, LLC/Equinor USA	17% 18%	177A/533 177A/738 272A/588 208A/226 231A/59 279A/35 269A/298 192A/132 231A/59 279A/35 204A/841 231A/59 279A/35
Statoil USA Onshore Properties, Inc. Antero Resources Corporation  Michael A. Fish, a married man dealing in his sole and separate property Antero Resources Corporation EQT Production Company  Robert Burley, married dealing in his sole and separate property Robert W. Conaway, Jr. Antero Resources Corporation EQT Production Company  Ronald W. Conaway and Cindy Conaway Antero Resources Corporation EQT Production Company	Antero Exchange Properties, Inc. SWN Production Company, LLC/Equinor USA Onshore Properties, Inc. Antero Resources Corporation  EQT Production Company SWN Production Company, LLC/Equinor USA Onshore Properties, Inc. SWN Production Company, LLC Antero Resources Corporation EQT Production Company SWN Production Company SWN Production Company LLC/Equinor USA Onshore Properties, Inc. Antero Resources Corporation EQT Production Company SWN Production Company SWN Production Company SWN Production Company SWN Production Company, LLC/Equinor USA Onshore Properties, Inc.	17% 18%	177A/533 177A/738 272A/588 208A/226 231A/59 279A/35 269A/298 192A/132 231A/59 279A/35 204A/841 231A/59
Statoil USA Onshore Properties, Inc. Antero Resources Corporation  Michael A. Fish, a married man dealing in his sole and separate property Antero Resources Corporation  EQT Production Company  Robert Burley, married dealing in his sole and separate property Robert W. Conaway, Jr. Antero Resources Corporation  EQT Production Company  Ronald W. Conaway and Cindy Conaway Antero Resources Corporation  EQT Production Company  Antero Resources Corporation  EQT Production Company  Antero Resources Corporation  Rosemary Cain and Robert R. Cain, her husband	Antero Exchange Properties, Inc. SWN Production Company, LLC/Equinor USA Onshore Properties, Inc. Antero Resources Corporation  EQT Production Company SWN Production Company, LLC/Equinor USA Onshore Properties, Inc. SWN Production Company, LLC Antero Resources Corporation EQT Production Company SWN Production Company, LLC/Equinor USA Onshore Properties, Inc. Antero Resources Corporation EQT Production Company SWN Production Company SWN Production Company, LLC/Equinor USA Onshore Properties, Inc. SWN Production Company, LLC/Equinor USA Onshore Properties, Inc. Chesapeake Appalachia, L.L.C.	17% 18%	177A/533 177A/738 272A/588 208A/226 231A/59 279A/35 269A/298 192A/132 231A/59 279A/35 204A/841 231A/59 279A/35
Statoil USA Onshore Properties, Inc. Antero Resources Corporation  Michael A. Fish, a married man dealing in his sole and separate property Antero Resources Corporation EQT Production Company  Robert Burley, married dealing in his sole and separate property Robert W. Conaway, Jr. Antero Resources Corporation EQT Production Company  Ronald W. Conaway and Cindy Conaway Antero Resources Corporation EQT Production Company  Antero Resources Corporation EQT Production Company  Antero Resources Corporation Rosemary Cain and Robert R. Cain, her husband Chesapeake Appalachia, L.L.C.	Antero Exchange Properties, Inc. SWN Production Company, LLC/Equinor USA Onshore Properties, Inc. Antero Resources Corporation  EQT Production Company SWN Production Company, LLC/Equinor USA Onshore Properties, Inc. SWN Production Company, LLC Antero Resources Corporation EQT Production Company SWN Production Company, LLC/Equinor USA Onshore Properties, Inc. Antero Resources Corporation EQT Production Company SWN Production Company SWN Production Company SWN Production Company, LLC/Equinor USA Onshore Properties, Inc. SWN Production Company, LLC/Equinor USA	17% 18% 18%	177A/533 177A/738 272A/588 208A/226 231A/59 279A/35 269A/298 192A/132 231A/59 279A/35 204A/841 231A/59 279A/35
Statoil USA Onshore Properties, Inc. Antero Resources Corporation  Michael A. Fish, a married man dealing in his sole and separate property Antero Resources Corporation  EQT Production Company  Robert Burley, married dealing in his sole and separate property Robert W. Conaway, Jr. Antero Resources Corporation  EQT Production Company  Ronald W. Conaway and Cindy Conaway Antero Resources Corporation  EQT Production Company  Antero Resources Corporation  ROT Production Company  Antero Resources Corporation  COT Production Company  Antero Resources Corporation  ROSEMARY Cain, her husband  Chesapeake Appalachia, L.L.C.  Statoil USA Onshore Properties, Inc.	Antero Exchange Properties, Inc. SWN Production Company, LLC/Equinor USA Onshore Properties, Inc. Antero Resources Corporation  EQT Production Company SWN Production Company, LLC/Equinor USA Onshore Properties, Inc. SWN Production Company, LLC Antero Resources Corporation EQT Production Company SWN Production Company SWN Production Company, LLC/Equinor USA Onshore Properties, Inc. Antero Resources Corporation EQT Production Company SWN Production Company SWN Production Company, LLC/Equinor USA Onshore Properties, Inc.	17% 18% 18%	177A/533 177A/738 272A/588 208A/226 231A/59 279A/35 269A/298 192A/132 231A/59 279A/35 204A/841 231A/59 279A/35 272A/588
Statoil USA Onshore Properties, Inc. Antero Resources Corporation  Michael A. Fish, a married man dealing in his sole and separate property Antero Resources Corporation EQT Production Company  Robert Burley, married dealing in his sole and separate property Robert W. Conaway, Jr. Antero Resources Corporation EQT Production Company  Ronald W. Conaway and Cindy Conaway Antero Resources Corporation EQT Production Company  Antero Resources Corporation EQT Production Company  Antero Resources Corporation COT Production Company  Antero Resources Corporation Rosemary Cain and Robert R. Cain, her husband  Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties, Inc. SWN Production Company, LLC	Antero Exchange Properties, Inc. SWN Production Company, LLC/Equinor USA Onshore Properties, Inc. Antero Resources Corporation  EQT Production Company SWN Production Company, LLC/Equinor USA Onshore Properties, Inc. SWN Production Company, LLC Antero Resources Corporation EQT Production Company SWN Production Company, LLC/Equinor USA Onshore Properties, Inc. Chesapeake Appalachia, L.L.C.	17% 18% 18%	177A/533 177A/738 272A/588 208A/226 231A/59 279A/35 269A/298 192A/132 231A/59 279A/35 204A/841 231A/59 279A/35 272A/588 140A/537 157A/540
Statoil USA Onshore Properties, Inc. Antero Resources Corporation  Michael A. Fish, a married man dealing in his sole and separate property Antero Resources Corporation EQT Production Company  Robert Burley, married dealing in his sole and separate property Robert W. Conaway, Jr. Antero Resources Corporation EQT Production Company  Ronald W. Conaway and Cindy Conaway Antero Resources Corporation EQT Production Company  Antero Resources Corporation EQT Production Company  Antero Resources Corporation COT Production Company  Antero Resources Corporation Rosemary Cain and Robert R. Cain, her husband  Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties, Inc. SWN Production Company, LLC Statoil USA Onshore Properties, Inc.	Antero Exchange Properties, Inc. SWN Production Company, LLC/Equinor USA Onshore Properties, Inc. Antero Resources Corporation  EQT Production Company SWN Production Company, LLC/Equinor USA Onshore Properties, Inc. SWN Production Company, LLC Antero Resources Corporation EQT Production Company SWN Production Company, LLC/Equinor USA Onshore Properties, Inc. Chesapeake Appalachia, L.L.C. SWN Production Company, LLC SWN Exchange Titleholder LLC Antero Resources Corporation Antero Exchange Properties, Inc.	17% 18% 18%	177A/533 177A/738 272A/588 208A/226 231A/59 279A/35 269A/298 192A/132 231A/59 279A/35 204A/841 231A/59 279A/35 272A/588 140A/537 157A/540 158A/801
Statoil USA Onshore Properties, Inc. Antero Resources Corporation  Michael A. Fish, a married man dealing in his sole and separate property Antero Resources Corporation EQT Production Company  Robert Burley, married dealing in his sole and separate property Robert W. Conaway, Jr. Antero Resources Corporation EQT Production Company  Ronald W. Conaway and Cindy Conaway Antero Resources Corporation EQT Production Company  Antero Resources Corporation EQT Production Company  Antero Resources Corporation COT Production Company  Antero Resources Corporation Rosemary Cain and Robert R. Cain, her husband  Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties, Inc. SWN Production Company, LLC	Antero Exchange Properties, Inc. SWN Production Company, LLC/Equinor USA Onshore Properties, Inc. Antero Resources Corporation  EQT Production Company SWN Production Company, LLC/Equinor USA Onshore Properties, Inc. SWN Production Company, LLC Antero Resources Corporation EQT Production Company SWN Production Company, LLC/Equinor USA Onshore Properties, Inc. Chesapeake Appalachia, L.L.C.	17% 18% 18%	177A/533 177A/738 272A/588 208A/226 231A/59 279A/35 269A/298 192A/132 231A/59 279A/35 204A/841 231A/59 279A/35 272A/588 140A/537 157A/540 158A/801 177A/533

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WV Department of Environmental Protection

	Sharon Neala Barrett Zeppernick, a married woman	Antero Resources Corporation			
	dealing in sole and separate property		18%	208A/61	
	Antero Resources Corporation	EQT Production Company	20,0	231A/59	
	EQT Production Company	SWN Production Company, LLC/Equinor USA			
	Ess. Crassesson semperty	Onshore Properties, Inc.		279A/35	
	The First Assembly of God Church	Chesapeake Appalachia, L.L.C.	17%	140A/686	
	Chesapeake Appalachia, LLC	Statoil USA Onshore Properties Inc.		120A/109	
	Statoil USA Onshore Properties, Inc.	SWN Exchange Titleholder LLC		158A/801	
	Statoil USA Onshore Properties, Inc.	Antero Resources Corporation		177A/738	
	Antero Resources Corporation	SWN Production Company, LLC/Equinor USA Onshore Properties, Inc.		272A/588	
	Thomas D. Conaway, married dealing in his sole and	SWN Production Company, LLC	179/	279A/676	
	separate property Timothy N. Burley, a married man dealing in sole and	Antero Resources Corporation	17%		
	separate property	0.000 0.000 0.000 0.000	18%	208A/223	
	Antero Resources Corporation	EQT Production Company		231A/59	
	EQT Production Company	SWN Production Company, LLC/Equinor USA		279A/35	
	Wayne E. Burley, single	Onshore Properties, Inc. SWN Production Company, LLC	17%	270A/447	
				20011111	6.600
10 3-1-8.1	Bounty Minerals, LLC	TH Exploration, LLC	20%	208A/445	0.00%
	TH Exploration, LLC	SWN Production Company, LLC		291A/39	
11 3-1-9	Royalty Owner	n/a	n/a	n/a	23.01%
	John J. Mensore, individually, John J. Mensore,	Antero Resources Corporation	12.50%	162A/799	
	Trustee, under the John J. Mensore Revocable Trust dated July 12, 2001, Tulane B. Mensore, and Esta Marie McCall				
	Antero Resources Corporation	SWN Production Company, LLC		168A/318	
	Allen Kent Pyles, a married man dealing in his sole and separate property	and Statoil USA Onshore Properties Inc. I Chesapeake Appalachia, L.L.C.	17%	138A/146	
	Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		142A/228	
	Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		143A/285	
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
	Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		158A/801	
	Beth A. Pyles, a widow	Chesapeake Appalachia, L.L.C.	17%	136A/307	
	Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.	31.0	143A/285	
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
	Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		158A/801	
	Beverly Mason, a married man dealing in her sole and		17%	139A/533	
	separate property Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.	7,65	143A/285	
	Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		143A/283	
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
	Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		158A/801	
	Brenda Pittman, a married woman dealing in her sole	A STATE OF THE STA	17%	140A/40	
	and separate property	chesapeake Appaiacilla, L.C.C.	1.770	1404/40	
	Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		143A/227	
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
	Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		158A/801	
	Carol J. Buckle and Robert D. Buckle, her husband	Chesapeake Appalachia, L.L.C.	17%	138A/505	
	Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		142A/228	
	Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		143A/285	
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
	Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		158A/801	
	Doris Lee Haught, a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	17%	138A/477	
	Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		143A/285	
	Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		143A/227	
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
	Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		158A/801	DEDENIER
	Edwin Lee Pyles and Belinda L. Pyles, his wife	Chesapeake Appalachia, L.L.C.	17%	137A/425	Office of Oil and
	Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		142A/228	
				a sale dans	A 110 7 G
	Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		143A/285	AUG 13
	Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	AUG 19
	Chesapeake Appalachia, L.L.C.		17%		WV Lepare

Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		143A/285
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540
Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC	470/	158A/801
Fonda Ruth Judge, a widow	Chesapeake Appalachia, L.L.C.	17%	140A/35 157A/540
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	17%	137A/340 144A/75
Gary Johnson, a/k/a Gary W. Johnson, a widower	Chesapeake Appalachia, L.L.C.	1770	1447(73
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		149A/269
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540
Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		158A/801
George E. Morris and Lynn M. Morris, husband and wife	EQT Production Company	15%	190A/523
EQT Production Company	SWN Production Company, LLC/Equinor USA Onshore Properties, Inc.		279A/35
Glen O. Gilbert, a/k/a Glen Gilbert and Charlotte Y.	Chesapeake Appalachia, L.L.C.	17%	136A/322
Gilbert, his wife Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		143A/285
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540
Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		158A/801
Helen Margaret Downey Pile, a married woman	Chesapeake Appalachia, L.L.C.	17%	140A/449
dealing in her sole and separate property			
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		143A/227
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540
lvy J. Davies, a/k/a lvy Davies and Kenneth Davies, her	Chesapeake Appalachia, L.L.C.	17%	143A/254
husband Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		149A/269
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540
Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		158A/801
Jerry N. Morris, a single man	EQT Production Company	15%	191A/921
EQT Production Company	SWN Production Company, LLC/Equinor USA		279A/35
Joanne E. Mason, a widow	Onshore Properties, Inc. Chesapeake Appalachia, L.L.C.	17%	136A/10
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		143A/285
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540
Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		158A/801
Jona Ra Williamson and Raymond Williamson, her	Chesapeake Appalachia, L.L.C.	17%	137A/430
husband Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		142A/228
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		143A/285
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540
Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		158A/801
Kevin Eugene Pyles and Martha P. Pyles, his wife	Chesapeake Appalachia, L.L.C.	17%	137A/445
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		142A/228
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		143A/285
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540
Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		158A/801
Linda Kay Gierke, a married woman dealing in her sole		17%	139A/538
and separate property Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		143A/285
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		143A/227
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540
Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		158A/801
Marlene H. Prosser, a/k/a Molly Prosser and David P.		17%	143A/259
Prosser, her husband Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.	2.70	149A/269
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540
Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		158A/801
Marlene J. Postlethwait, a/k/a Marlene Postlethwait,	Chesapeake Appalachia, L.L.C.	17%	136A/312
a married woman dealing in her sole and separate	<b>,,</b>		,
property Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		143A/285
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540
Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		158A/801
Martha Diana Flowers, a married woman dealing in	Chesapeake Appalachia, L.L.C.	17%	137A/420
her sole and separate property Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.	_,	142A/228
Chesapeake Appalachia, L.L.C.			143A/285
	Statoil USA Onshore Properties Inc.		
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc. SWN Production Company, LLC		
Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties Inc.	SWN Production Company, LLC SWN Exchange Titleholder LLC		157A/540 158A/801

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Mitzilou Cecil, a/k/a Mitzi Lou Cecil and Floyd Cecil, her husband	Chesapeake Appalachia, L.L.C.	17%	136A/317
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		143A/285
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540
Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		158A/801
Molli-B Morris, a single woman	<b>EQT Production Company</b>	15%	190A/521
EQT Production Company	SWN Production Company, LLC/Equinor USA Onshore Properties, Inc.		279A/35
R.D. Morris, Jr., a/k/a Robert D. Morris, a married ma dealing in his sole and separate property		17%	144A/460
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		157A/504
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540
Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		158A/801
Robert O'Neil, a/k/a Bob O'Neil, a single man	Chesapeake Appalachia, L.L.C.	17%	144A/91
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		149A/269
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540
Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		158A/801
Ronald O'Neil, a/k/a Ron O'Neil, a single man	Chesapeake Appalachia, L.L.C.	17%	144A/95
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		157A/504
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540
Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		158A/801
Shirley Ebert, a/k/a Shirley K. Ebert, a widow	Chesapeake Appalachia, L.L.C.	17%	136A/327
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.	2.70	143A/285
	•		157A/540
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		158A/801
Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC	450/	· ·
Starlet R. Eiting, a single woman	EQT Production Company	15%	191A/923
EQT Production Company	SWN Production Company, LLC/Equinor USA Onshore Properties, Inc.		279A/35
Sue Carol Davisson and William G. Davisson, her	Chesapeake Appalachia, L.L.C.	17%	139A/288
husband Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		142A/228
Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		143A/285
Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540
Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		158A/801
•	· · · · · · · · · · · · · · · · · · ·	15%	•
Tracy G. Matthews, married man dealing in his sole and separate property	EQT Production Company	15%	191/919
EQT Production Company	SWN Production Company, LLC/Equinor USA		279A/35
Amy M. Thomas, married dealing in her sole and	Onshore Properties, Inc.	17%	2854/756
Amy M. Thomas, married dealing in her sole and separate property	SWN Production Company, LLC	17%	285A/756
		17% 17%	285A/756 277A/134
separate property	SWN Production Company, LLC		
separate property B. Kenneth Richmond, widower	SWN Production Company, LLC SWN Production Company, LLC	17%	277A/134
separate property B. Kenneth Richmond, widower Beth Ann Baker Bradley J. Pyles, married dealing in his sole and separate property	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	17% 17%	277A/134 290A/149
separate property B. Kenneth Richmond, widower Beth Ann Baker Bradley J. Pyles, married dealing in his sole and separate property Carla Sue Strahl, a married woman dealing in her sole and separate property	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	17% 17% 17%	277A/134 290A/149 279A/710
separate property B. Kenneth Richmond, widower Beth Ann Baker Bradley J. Pyles, married dealing in his sole and separate property Carla Sue Strahl, a married woman dealing in her sole	SWN Production Company, LLC	17% 17% 17%	277A/134 290A/149 279A/710
separate property B. Kenneth Richmond, widower Beth Ann Baker Bradley J. Pyles, married dealing in his sole and separate property Carla Sue Strahl, a married woman dealing in her sole and separate property	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	17% 17% 17% 15%	277A/134 290A/149 279A/710 189A/539
separate property B. Kenneth Richmond, widower Beth Ann Baker Bradley J. Pyles, married dealing in his sole and separate property Carla Sue Strahl, a married woman dealing in her sole and separate property Carol E. Cain, widow	SWN Production Company, LLC	17% 17% 17% 15%	277A/134 290A/149 279A/710 189A/539 278A/665
separate property B. Kenneth Richmond, widower Beth Ann Baker Bradley J. Pyles, married dealing in his sole and separate property Carla Sue Strahl, a married woman dealing in her sole and separate property Carol E. Cain, widow Cathy S. Pyles, single Charles B. Strope, a married man dealing in his sole and separate property Darlene Braun, married dealing in her sole and	SWN Production Company, LLC	17% 17% 17% 15% 17%	277A/134 290A/149 279A/710 189A/539 278A/665 277A/500
separate property B. Kenneth Richmond, widower Beth Ann Baker Bradley J. Pyles, married dealing in his sole and separate property Carla Sue Strahl, a married woman dealing in her sole and separate property Carol E. Cain, widow Cathy S. Pyles, single Charles B. Strope, a married man dealing in his sole and separate property	SWN Production Company, LLC	17% 17% 17% 15% 17% 17% 15%	277A/134 290A/149 279A/710 189A/539 278A/665 277A/500 189A/545
separate property B. Kenneth Richmond, widower Beth Ann Baker Bradley J. Pyles, married dealing in his sole and separate property Carla Sue Strahl, a married woman dealing in her sole and separate property Carol E. Cain, widow Cathy S. Pyles, single Charles B. Strope, a married man dealing in his sole and separate property Darlene Braun, married dealing in her sole and separate property	SWN Production Company, LLC	17% 17% 17% 15% 15% 17% 15%	277A/134 290A/149 279A/710 189A/539 278A/665 277A/500 189A/545 277A/516
separate property B. Kenneth Richmond, widower Beth Ann Baker Bradley J. Pyles, married dealing in his sole and separate property Carla Sue Strahl, a married woman dealing in her sole and separate property Carol E. Cain, widow Cathy S. Pyles, single Charles B. Strope, a married man dealing in his sole and separate property Darlene Braun, married dealing in her sole and separate property Debra L. West Donna G. Smittle and Dillon R. Smittle, her husband	SWN Production Company, LLC	17% 17% 17% 15% 17% 17% 15% 17%	277A/134 290A/149 279A/710 189A/539 278A/665 277A/500 189A/545 277A/516
separate property B. Kenneth Richmond, widower Beth Ann Baker Bradley J. Pyles, married dealing in his sole and separate property Carla Sue Strahl, a married woman dealing in her sole and separate property Carol E. Cain, widow Cathy S. Pyles, single Charles B. Strope, a married man dealing in his sole and separate property Darlene Braun, married dealing in her sole and separate property Debra L. West Donna G. Smittle and Dillon R. Smittle, her husband Douglas P. Moats, married dealing in his sole and separate property	SWN Production Company, LLC	17% 17% 17% 15% 17% 15% 17% 15% 17% 17%	277A/134 290A/149 279A/710 189A/539 278A/665 277A/500 189A/545 277A/516 277A/124 284A/363
separate property B. Kenneth Richmond, widower Beth Ann Baker Bradley J. Pyles, married dealing in his sole and separate property Carla Sue Strahl, a married woman dealing in her sole and separate property Carol E. Cain, widow Cathy S. Pyles, single Charles B. Strope, a married man dealing in his sole and separate property Darlene Braun, married dealing in her sole and separate property Debra L. West Donna G. Smittle and Dillon R. Smittle, her husband	SWN Production Company, LLC	17% 17% 17% 15% 17% 17% 17% 17% 17%	277A/134 290A/149 279A/710 189A/539 278A/665 277A/500 189A/545 277A/516 277A/124 284A/363
separate property B. Kenneth Richmond, widower Beth Ann Baker Bradley J. Pyles, married dealing in his sole and separate property Carla Sue Strahl, a married woman dealing in her sole and separate property Carol E. Cain, widow Cathy S. Pyles, single Charles B. Strope, a married man dealing in his sole and separate property Darlene Braun, married dealing in her sole and separate property Debra L. West Donna G. Smittle and Dillon R. Smittle, her husband Douglas P. Moats, married dealing in his sole and separate property Floyd P. Doty and Linda S. Doty, married couple,	SWN Production Company, LLC	17% 17% 17% 15% 17% 15% 17% 15% 17% 17%	277A/134 290A/149 279A/710 189A/539 278A/665 277A/500 189A/545 277A/516 277A/124 284A/363
separate property B. Kenneth Richmond, widower Beth Ann Baker Bradley J. Pyles, married dealing in his sole and separate property Carla Sue Strahl, a married woman dealing in her sole and separate property Carol E. Cain, widow Cathy S. Pyles, single Charles B. Strope, a married man dealing in his sole and separate property Darlene Braun, married dealing in her sole and separate property Debra L. West Donna G. Smittle and Dillon R. Smittle, her husband Douglas P. Moats, married dealing in his sole and separate property Floyd P. Doty and Linda S. Doty, married couple, dealing in their sole and separate properties	SWN Production Company, LLC	17% 17% 17% 15% 17% 17% 17% 15% 17% 17% 17% 18%	277A/134 290A/149 279A/710 189A/539 278A/665 277A/500 189A/545 277A/516 277A/124 284A/363 284A/358
separate property B. Kenneth Richmond, widower Beth Ann Baker Bradley J. Pyles, married dealing in his sole and separate property Carla Sue Strahl, a married woman dealing in her sole and separate property Carol E. Cain, widow Cathy S. Pyles, single Charles B. Strope, a married man dealing in his sole and separate property Darlene Braun, married dealing in her sole and separate property Debra L. West Donna G. Smittle and Dillon R. Smittle, her husband Douglas P. Moats, married dealing in his sole and separate property Floyd P. Doty and Linda S. Doty, married couple, dealing in their sole and separate properties Gary H. Kappel Gary W. Strope, a married man dealing in his sole and separate property	SWN Production Company, LLC	17% 17% 17% 15% 17% 15% 17% 15% 17% 17% 17% 17% 18%	277A/134 290A/149 279A/710 189A/539 278A/665 277A/500 189A/545 277A/516 277A/124 284A/363 284A/358 282A/492 277A/129 189A/543
separate property B. Kenneth Richmond, widower Beth Ann Baker Bradley J. Pyles, married dealing in his sole and separate property Carla Sue Strahl, a married woman dealing in her sole and separate property Carol E. Cain, widow Cathy S. Pyles, single Charles B. Strope, a married man dealing in his sole and separate property Darlene Braun, married dealing in her sole and separate property Debra L. West Donna G. Smittle and Dillon R. Smittle, her husband Douglas P. Moats, married dealing in his sole and separate property Floyd P. Doty and Linda S. Doty, married couple, dealing in their sole and separate properties Gary H. Kappel Gary W. Strope, a married man dealing in his sole and separate property	SWN Production Company, LLC	17% 17% 17% 15% 17% 17% 15% 17% 17% 17% 17%	277A/134 290A/149 279A/710 189A/539 278A/665 277A/500 189A/545 277A/516 277A/124 284A/363 284A/358 282A/492
separate property B. Kenneth Richmond, widower Beth Ann Baker Bradley J. Pyles, married dealing in his sole and separate property Carla Sue Strahl, a married woman dealing in her sole and separate property Carol E. Cain, widow Cathy S. Pyles, single Charles B. Strope, a married man dealing in his sole and separate property Darlene Braun, married dealing in her sole and separate property Debra L. West Donna G. Smittle and Dillon R. Smittle, her husband Douglas P. Moats, married dealing in his sole and separate property Floyd P. Doty and Linda S. Doty, married couple, dealing in their sole and separate properties Gary H. Kappel Gary W. Strope, a married man dealing in his sole and separate property Hubert Morris, single Janet W. Bole, widow	SWN Production Company, LLC	17% 17% 17% 15% 17% 15% 17% 15% 17% 17% 17% 17% 18%	277A/134 290A/149 279A/710 189A/539 278A/665 277A/500 189A/545 277A/516 277A/124 284A/363 284A/358 282A/492 277A/129 189A/543
separate property B. Kenneth Richmond, widower Beth Ann Baker Bradley J. Pyles, married dealing in his sole and separate property Carla Sue Strahl, a married woman dealing in her sole and separate property Carol E. Cain, widow Cathy S. Pyles, single Charles B. Strope, a married man dealing in his sole and separate property Darlene Braun, married dealing in her sole and separate property Debra L. West Donna G. Smittle and Dillon R. Smittle, her husband Douglas P. Moats, married dealing in his sole and separate property Floyd P. Doty and Linda S. Doty, married couple, dealing in their sole and separate properties Gary H. Kappel Gary W. Strope, a married man dealing in his sole and separate property Hubert Morris, single Janet W. Bole, widow Jeffrey M. Jolliff, single	SWN Production Company, LLC	17% 17% 17% 15% 17% 15% 17% 17% 17% 17% 17% 18%	277A/134 290A/149 279A/710 189A/539 278A/665 277A/500 189A/545 277A/516 277A/124 284A/363 284A/358 282A/492 277A/129 189A/543
separate property B. Kenneth Richmond, widower Beth Ann Baker Bradley J. Pyles, married dealing in his sole and separate property Carla Sue Strahl, a married woman dealing in her sole and separate property Carol E. Cain, widow Cathy S. Pyles, single Charles B. Strope, a married man dealing in his sole and separate property Darlene Braun, married dealing in her sole and separate property Debra L. West Donna G. Smittle and Dillon R. Smittle, her husband Douglas P. Moats, married dealing in his sole and separate property Floyd P. Doty and Linda S. Doty, married couple, dealing in their sole and separate property Gary H. Kappel Gary W. Strope, a married man dealing in his sole and separate property Hubert Morris, single Janet W. Bole, widow Jeffrey M. Jolliff, single Jill D. Regan, married dealing in her sole and separate	SWN Production Company, LLC	17% 17% 17% 15% 17% 15% 17% 17% 17% 17% 17% 17% 18%	277A/134 290A/149 279A/710 189A/539 278A/665 277A/500 189A/545 277A/516 277A/124 284A/363 284A/358 282A/492 277A/129 189A/543 277A/139 281A/429
separate property B. Kenneth Richmond, widower Beth Ann Baker Bradley J. Pyles, married dealing in his sole and separate property Carla Sue Strahl, a married woman dealing in her sole and separate property Carol E. Cain, widow Cathy S. Pyles, single Charles B. Strope, a married man dealing in his sole and separate property Darlene Braun, married dealing in her sole and separate property Debra L. West Donna G. Smittle and Dillon R. Smittle, her husband Douglas P. Moats, married dealing in his sole and separate property Floyd P. Doty and Linda S. Doty, married couple, dealing in their sole and separate properties Gary H. Kappel Gary W. Strope, a married man dealing in his sole and separate property Hubert Morris, single Janet W. Bole, widow Jeffrey M. Jolliff, single Jill D. Regan, married dealing in her sole and separate property Jill V. Lee, married dealing in her sole and separate	SWN Production Company, LLC	17% 17% 17% 15% 17% 15% 17% 17% 17% 17% 17% 18%	277A/134 290A/149 279A/710 189A/539 278A/665 277A/500 189A/545 277A/516 277A/124 284A/363 284A/358 282A/492 277A/129 189A/543 277A/139 281A/429 279A/665
separate property B. Kenneth Richmond, widower Beth Ann Baker Bradley J. Pyles, married dealing in his sole and separate property Carla Sue Strahl, a married woman dealing in her sole and separate property Carol E. Cain, widow Cathy S. Pyles, single Charles B. Strope, a married man dealing in his sole and separate property Darlene Braun, married dealing in her sole and separate property Debra L. West Donna G. Smittle and Dillon R. Smittle, her husband Douglas P. Moats, married dealing in his sole and separate property Floyd P. Doty and Linda S. Doty, married couple, dealing in their sole and separate property Gary W. Strope, a married man dealing in his sole and separate property Hubert Morris, single Janet W. Bole, widow Jeffrey M. Jolliff, single Jill D. Regan, married dealing in her sole and separate property	SWN Production Company, LLC	17% 17% 17% 15% 17% 17% 17% 17% 17% 17% 17% 17% 18%	277A/134 290A/149 279A/710 189A/539 278A/665 277A/500 189A/545 277A/516 277A/124 284A/363 284A/358 282A/492 277A/129 189A/543 277A/139 281A/429 279A/665 283A/412

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	John W. Kerns Heirs Trust Under Agreement dated September 1st, 1962, by United Bank, as Successor	SWN Production Company, LLC	20%	287A/788	
	Trustee JPMorgan Chase Bank, N.A., Trustee of the Will E.	SWN Production Company, LLC	20%	Pending	
	Morris Heirs Trust Judith C. Beltz, divorced	SWN Production Company, LLC	17%	280A/354	
	Judith G. Carter, married dealing in her sole and	SWN Production Company, LLC	17%	280A/370	
	separate property	Come V Govern	170/	2724/850	
	Judith L. Greer, a widow	SWN Production Company, LLC	17%	273A/860 277A/511	
	Kathryn Pyles, single	SWN Production Company, LLC	17%	282A/575	
	Linda L. Oliver, widow	SWN Production Company, LLC	17% 17%	283A/794	
	Margie Lucille Jolliff, widow	SWN Production Company, LLC	17%	284A/348	
	Mark H. Yarosz	SWN Production Company, LLC	1/76	Pending	
	Martha E. Conig. married dealing in her cole and	SWN Production Company, LLC SWN Production Company, LLC	17%	262A/764	
	Martha E. Genig, married dealing in her sole and separate property	SWIN Production Company, LLC	1770	2027	
	Mary E. Mitchem, divorced	SWN Production Company, LLC	17%	284A/353	
	Mary L. Kemp and David B. Kemp, her husband	SWN Production Company, LLC	17%	277A/119	<i>)</i>
	Morris Mountaineer Oil and Gas, LLC	SWN Production Company, LLC	20%	281A/425	
	Patricía Y. Warthan	SWN Production Company, LLC	17%	285A/199	
	Roger S. Strope, a married man dealing in his sole and		15%	189A/541	- 10
	separate property				
	Sally Lou Anderson, single	SWN Production Company, LLC	17%	277A/506	
	Scott A. Parsons	SWN Production Company, LLC	17%	278A/660	
	Suzanne B. Wallace	SWN Production Company, LLC	17%	285A/204	
	Suzanne D. Walls, married delaing in her sole and separate property	SWN Production Company, LLC	17%	284A/343	
	The Sidney Austin Smith Trust, LLC	SWN Production Company, LLC	20%	281A/427	
	Theresa Jean Brewington, married dealing in her sole and separate property	SWN Production Company, LLC	17%	278A/670	
	Vicki J. Miles, married dealing in her sole and separate property	SWN Production Company, LLC	17%	280A/338	
	William L. Jolliff, married dealing in his sole and	SWN Production Company, LLC	17%	279A/645	
	separate property				
2 3-1-10	Royalty Owner	n/a	n/a	n/a	21.54%
2 3-1-10	Royalty Owner  Alcinda Lou Fox Santonas, a/k/a Alcinda Lou Santonas		n/a 17%	n/a 263A/305	21.54%
2 3-1-10	Royalty Owner  Alcinda Lou Fox Santonas, a/k/a Alcinda Lou Santonas widow	, SWN Production Company, LLC	17%	263A/305	21.54%
2 3-1-10	Royalty Owner  Alcinda Lou Fox Santonas, a/k/a Alcinda Lou Santonas widow Alice Ann Wise, single	, SWN Production Company, LLC SWN Production Company, LLC	17% 17%	263A/305 266A/6	21.54%
2 3-1-10	Royalty Owner  Alcinda Lou Fox Santonas, a/k/a Alcinda Lou Santonas widow	, SWN Production Company, LLC	17%	263A/305	21.54%
2 3-1-10	Royalty Owner  Alcinda Lou Fox Santonas, a/k/a Alcinda Lou Santonas widow  Alice Ann Wise, single  Allan Karl Draheim, married dealing in his sole and	, SWN Production Company, LLC SWN Production Company, LLC	17% 17%	263A/305 266A/6	21,54%
2 3-1-10	Royalty Owner  Alcinda Lou Fox Santonas, a/k/a Alcinda Lou Santonas widow  Alice Ann Wise, single  Allan Karl Draheim, married dealing in his sole and separate property  Andra Emarie Gorby, single  Anita Carol Childrers, widow	, SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	17% 17% 18%	263A/305 266A/6 264A/216	21,54%
2 3-1-10	Royalty Owner  Alcinda Lou Fox Santonas, a/k/a Alcinda Lou Santonas widow  Alice Ann Wise, single  Allan Karl Draheim, married dealing in his sole and separate property  Andra Emarie Gorby, single  Anita Carol Childrers, widow  Barbara J. Draheim, single	, SWN Production Company, LLC	17% 17% 18% 17%	263A/305 266A/6 264A/216 282A/549	21.54%
2 3-1-10	Royalty Owner  Alcinda Lou Fox Santonas, a/k/a Alcinda Lou Santonas widow  Alice Ann Wise, single  Allan Karl Draheim, married dealing in his sole and separate property  Andra Emarie Gorby, single  Anita Carol Childrers, widow	, SWN Production Company, LLC	17% 17% 18% 17% 17%	263A/305 266A/6 264A/216 282A/549 282A/515	21.54%
2 3-1-10	Royalty Owner  Alcinda Lou Fox Santonas, a/k/a Alcinda Lou Santonas widow  Alice Ann Wise, single  Allan Karl Draheim, married dealing in his sole and separate property  Andra Emarie Gorby, single  Anita Carol Childrers, widow  Barbara J. Draheim, single  Barbara Lee Garrett and Daniel R. Garrett, her	, SWN Production Company, LLC	17% 17% 18% 17% 17% 17%	263A/305 266A/6 264A/216 282A/549 282A/515 263A/300	21,54%
2 3-1-10	Royalty Owner  Alcinda Lou Fox Santonas, a/k/a Alcinda Lou Santonas widow  Alice Ann Wise, single  Allan Karl Draheim, married dealing in his sole and separate property  Andra Emarie Gorby, single  Anita Carol Childrers, widow  Barbara J. Draheim, single  Barbara Lee Garrett and Daniel R. Garrett, her husband	, SWN Production Company, LLC	17% 17% 18% 17% 17% 17% 17%	263A/305 266A/6 264A/216 282A/549 282A/515 263A/300 265A/402	21.54%
2 3-1-10	Royalty Owner  Alcinda Lou Fox Santonas, a/k/a Alcinda Lou Santonas widow  Alice Ann Wise, single  Allan Karl Draheim, married dealing in his sole and separate property  Andra Emarie Gorby, single  Anita Carol Childrers, widow  Barbara J. Draheim, single  Barbara Lee Garrett and Daniel R. Garrett, her husband  Benjamin F. Farrell, a single man  Bernard J. Farrell, a single man  Bernard V. Kelly, Jr., a/k/a Bernard Kelly, and Cheryl L.	, SWN Production Company, LLC	17% 18% 18% 17% 17% 17% 17% 17%	263A/305 266A/6 264A/216 282A/549 282A/515 263A/300 265A/402 189A/423	21.54%
2 3-1-10	Royalty Owner  Alcinda Lou Fox Santonas, a/k/a Alcinda Lou Santonas widow  Alice Ann Wise, single  Allan Karl Draheim, married dealing in his sole and separate property  Andra Emarie Gorby, single  Anita Carol Childrers, widow  Barbara J. Draheim, single  Barbara Lee Garrett and Daniel R. Garrett, her husband  Benjamin F. Farrell, a single man  Bernard J. Farrell, a single man	, SWN Production Company, LLC	17% 18% 18% 17% 17% 17% 17% 17% 15%	263A/305 266A/6 264A/216 282A/549 282A/515 263A/300 265A/402 189A/423 193A/115	21.54%
2 3-1-10	Royalty Owner  Alcinda Lou Fox Santonas, a/k/a Alcinda Lou Santonas widow Alice Ann Wise, single Allan Karl Draheim, married dealing in his sole and separate property Andra Emarie Gorby, single Anita Carol Childrers, widow Barbara J. Draheim, single Barbara Lee Garrett and Daniel R. Garrett, her husband Benjamin F. Farrell, a single man Bernard J. Farrell, a single man Bernard V. Kelly, Jr., a/k/a Bernard Kelly, and Cheryl L. Kelly, his wife	, SWN Production Company, LLC	17% 18% 17% 17% 17% 17% 17% 15% 15% 15%	263A/305 266A/6 264A/216 282A/549 282A/515 263A/300 265A/402 189A/423 193A/115 269A/565	21.54%
2 3-1-10	Royalty Owner  Alcinda Lou Fox Santonas, a/k/a Alcinda Lou Santonas widow Alice Ann Wise, single Allan Karl Draheim, married dealing in his sole and separate property Andra Emarie Gorby, single Anita Carol Childrers, widow Barbara J. Draheim, single Barbara Lee Garrett and Daniel R. Garrett, her husband Benjamin F. Farrell, a single man Bernard J. Farrell, a single man Bernard V. Kelly, Jr., a/k/a Bernard Kelly, and Cheryl L. Kelly, his wife Betty Jean Stanley Connelly, widow Bruce E. Gorby and Betty Lou Gorby, his wife Bruce R. Harmon, married dealing in her sole and	, SWN Production Company, LLC	17% 18% 17% 17% 17% 17% 17% 15% 15% 17%	263A/305 266A/6 264A/216 282A/549 282A/515 263A/300 265A/402 189A/423 193A/115 269A/565 284A/431	21.54%
2 3-1-10	Royalty Owner  Alcinda Lou Fox Santonas, a/k/a Alcinda Lou Santonas widow Alice Ann Wise, single Allan Karl Draheim, married dealing in his sole and separate property Andra Emarie Gorby, single Anita Carol Childrers, widow Barbara J. Draheim, single Barbara Lee Garrett and Daniel R. Garrett, her husband Benjamin F. Farrell, a single man Bernard J. Farrell, a single man Bernard V. Kelly, Jr., a/k/a Bernard Kelly, and Cheryl L. Kelly, his wife Betty Jean Stanley Connelly, widow Bruce E. Gorby and Betty Lou Gorby, his wife	, SWN Production Company, LLC	17% 17% 18% 17% 17% 17% 17% 17% 15% 15% 17% 17%	263A/305 266A/6 264A/216 282A/549 282A/515 263A/300 265A/402 189A/423 193A/115 269A/565 284A/431 279A/682 286A/506	21.54%
2 3-1-10	Royalty Owner  Alcinda Lou Fox Santonas, a/k/a Alcinda Lou Santonas widow  Alice Ann Wise, single  Allan Karl Draheim, married dealing in his sole and separate property  Andra Emarie Gorby, single  Anita Carol Childrers, widow  Barbara J. Draheim, single  Barbara Lee Garrett and Daniel R. Garrett, her husband  Benjamin F. Farrell, a single man  Bernard J. Farrell, a single man  Bernard V. Kelly, Jr., a/k/a Bernard Kelly, and Cheryl L. Kelly, his wife  Betty Jean Stanley Connelly, widow  Bruce E. Gorby and Betty Lou Gorby, his wife  Bruce R. Harmon, married dealing in her sole and separate property	, SWN Production Company, LLC	17% 17% 18% 17% 17% 17% 17% 15% 15% 17% 17%	263A/305 266A/6 264A/216 282A/549 282A/515 263A/300 265A/402 189A/423 193A/115 269A/565 284A/431 279A/682	21.54%
2 3-1-10	Royalty Owner  Alcinda Lou Fox Santonas, a/k/a Alcinda Lou Santonas widow  Alice Ann Wise, single  Allan Karl Draheim, married dealing in his sole and separate property  Andra Emarie Gorby, single  Anita Carol Childrers, widow  Barbara J. Draheim, single  Barbara Lee Garrett and Daniel R. Garrett, her husband  Benjamin F. Farrell, a single man  Bernard J. Farrell, a single man  Bernard V. Kelly, Jr., a/k/a Bernard Kelly, and Cheryl L. Kelly, his wife  Betty Jean Stanley Connelly, widow  Bruce E. Gorby and Betty Lou Gorby, his wife  Bruce R. Harmon, married dealing in her sole and separate property  Carolyn Davis Gorby, widow  Charles F. Barnard, single  Cathy L. Sneed, married dealing in her sole and	, SWN Production Company, LLC	17% 17% 18% 17% 17% 17% 17% 15% 15% 17% 17% 17%	263A/305 266A/6 264A/216 282A/549 282A/515 263A/300 265A/402 189A/423 193A/115 269A/565 284A/431 279A/682 286A/506	21.54%
2 3-1-10	Royalty Owner  Alcinda Lou Fox Santonas, a/k/a Alcinda Lou Santonas widow  Alice Ann Wise, single  Allan Karl Draheim, married dealing in his sole and separate property  Andra Emarie Gorby, single  Anita Carol Childrers, widow  Barbara J. Draheim, single  Barbara Lee Garrett and Daniel R. Garrett, her husband  Benjamin F. Farrell, a single man  Bernard J. Farrell, a single man  Bernard V. Kelly, Jr., a/k/a Bernard Kelly, and Cheryl L. Kelly, his wife  Betty Jean Stanley Connelly, widow  Bruce E. Gorby and Betty Lou Gorby, his wife  Bruce R. Harmon, married dealing in her sole and separate property  Carolyn Davis Gorby, widow  Charles F. Barnard, single	, SWN Production Company, LLC	17% 17% 18% 17% 17% 17% 17% 15% 15% 17% 17% 17% 17%	263A/305 266A/6 264A/216 282A/519 282A/515 263A/300 265A/402 189A/423 193A/115 269A/565 284A/431 279A/682 286A/506 279A/705 284A/170	21.54%
2 3-1-10	Royalty Owner  Alcinda Lou Fox Santonas, a/k/a Alcinda Lou Santonas widow  Alice Ann Wise, single  Allan Karl Draheim, married dealing in his sole and separate property  Andra Emarie Gorby, single  Anita Carol Childrers, widow  Barbara J. Draheim, single  Barbara Lee Garrett and Daniel R. Garrett, her husband  Benjamin F. Farrell, a single man  Bernard J. Farrell, a single man  Bernard V. Kelly, Jr., a/k/a Bernard Kelly, and Cheryl L. Kelly, his wife  Betty Jean Stanley Connelly, widow  Bruce E. Gorby and Betty Lou Gorby, his wife  Bruce R. Harmon, married dealing in her sole and separate property  Carolyn Davis Gorby, widow  Charles F. Barnard, single  Cathy L. Sneed, married dealing in her sole and separate property	, SWN Production Company, LLC	17% 18% 17% 17% 17% 17% 17% 15% 15% 17% 17% 17% 17%	263A/305 266A/6 264A/216 282A/549 282A/515 263A/300 265A/402 189A/423 193A/115 269A/565 284A/431 279A/682 286A/506 279A/705 284A/170 281A/495	21.54%
2 3-1-10	Royalty Owner  Alcinda Lou Fox Santonas, a/k/a Alcinda Lou Santonas widow  Alice Ann Wise, single  Allan Karl Draheim, married dealing in his sole and separate property Andra Emarie Gorby, single  Anita Carol Childrers, widow Barbara J. Draheim, single Barbara Lee Garrett and Daniel R. Garrett, her husband Benjamin F. Farrell, a single man Bernard J. Farrell, a single man Bernard V. Kelly, Jr., a/k/a Bernard Kelly, and Cheryl L. Kelly, his wife Betty Jean Stanley Connelly, widow Bruce E. Gorby and Betty Lou Gorby, his wife Bruce R. Harmon, married dealing in her sole and separate property Carolyn Davis Gorby, widow  Charles F. Barnard, single Cathy L. Sneed, married dealing in her sole and separate property Caye Estes Everett	, SWN Production Company, LLC	17% 18% 17% 17% 17% 17% 17% 15% 15% 17% 17% 17% 17%	263A/305 266A/6 264A/216 282A/549 282A/515 263A/300 265A/402 189A/423 193A/115 269A/565 284A/431 279A/682 286A/506 279A/705 284A/170 281A/495 282A/486	21.54%
2 3-1-10	Royalty Owner  Alcinda Lou Fox Santonas, a/k/a Alcinda Lou Santonas widow  Alice Ann Wise, single  Allan Karl Draheim, married dealing in his sole and separate property Andra Emarie Gorby, single  Anita Carol Childrers, widow Barbara J. Draheim, single Barbara Lee Garrett and Daniel R. Garrett, her husband Benjamin F. Farrell, a single man Bernard J. Farrell, a single man Bernard V. Kelly, Jr., a/k/a Bernard Kelly, and Cheryl L. Kelly, his wife Betty Jean Stanley Connelly, widow Bruce E. Gorby and Betty Lou Gorby, his wife Bruce R. Harmon, married dealing in her sole and separate property Carolyn Davis Gorby, widow  Charles F. Barnard, single Cathy L. Sneed, married dealing in her sole and separate property Caye Estes Everett Church of Christ Coschocton	SWN Production Company, LLC	17% 18% 17% 17% 17% 17% 17% 15% 15% 17% 17% 17% 17% 17%	263A/305 266A/6 264A/216 282A/549 282A/515 263A/300 265A/402 189A/423 193A/115 269A/565 284A/431 279A/682 286A/506 279A/705 284A/170 281A/495 282A/486 282A/520	
2 3-1-10	Royalty Owner  Alcinda Lou Fox Santonas, a/k/a Alcinda Lou Santonas widow Alice Ann Wise, single Allan Karl Draheim, married dealing in his sole and separate property Andra Emarie Gorby, single Anita Carol Childrers, widow Barbara J. Draheim, single Barbara Lee Garrett and Daniel R. Garrett, her husband Benjamin F. Farrell, a single man Bernard J. Farrell, a single man Bernard V. Kelly, Jr., a/k/a Bernard Kelly, and Cheryl L. Kelly, his wife Betty Jean Stanley Connelly, widow Bruce E. Gorby and Betty Lou Gorby, his wife Bruce R. Harmon, married dealing in her sole and separate property Carolyn Davis Gorby, widow Charles F. Barnard, single Cathy L. Sneed, married dealing in her sole and separate property Caye Estes Everett Church of Christ Coschocton Charles William Baier, widower Christopher S. Byrd, single Catherine B. DiFlorio, married dealing in her sole and	SWN Production Company, LLC	17% 18% 17% 17% 17% 17% 17% 15% 15% 17% 17% 17% 17% 17% 17%	263A/305 266A/6 264A/216 282A/549 282A/515 263A/300 265A/402 189A/423 193A/115 269A/565 284A/431 279A/682 286A/506 279A/705 284A/170 281A/495 282A/486 282A/520 268A/69	RECEIV€D
2 3-1-10	Royalty Owner  Alcinda Lou Fox Santonas, a/k/a Alcinda Lou Santonas widow  Alice Ann Wise, single  Allan Karl Draheim, married dealing in his sole and separate property  Andra Emarie Gorby, single  Anita Carol Childrers, widow  Barbara J. Draheim, single  Barbara Lee Garrett and Daniel R. Garrett, her husband  Benjamin F. Farrell, a single man  Bernard J. Farrell, a single man  Bernard V. Kelly, Jr., a/k/a Bernard Kelly, and Cheryl L. Kelly, his wife  Betty Jean Stanley Connelly, widow  Bruce E. Gorby and Betty Lou Gorby, his wife  Bruce R. Harmon, married dealing in her sole and separate property  Carolyn Davis Gorby, widow  Charles F. Barnard, single  Cathy L. Sneed, married dealing in her sole and separate property  Caye Estes Everett  Church of Christ Coschocton  Charles William Baier, widower  Christopher S. Byrd, single  Catherine B. DiFlorio, married dealing in her sole and separate property  Clifford J. Thompson, Jr, married dealing in her sole and separate property	, SWN Production Company, LLC	17% 18% 17% 17% 17% 17% 17% 15% 15% 17% 17% 17% 17% 17% 17% 17% 17% 17% 17	263A/305 266A/6 264A/216 282A/549 282A/515 263A/300 265A/402 189A/423 193A/115 269A/565 284A/431 279A/682 286A/506 279A/705 284A/170 281A/495 282A/486 282A/520 268A/69 282A/469	RECEIVED Office of Oil and G
2 3-1-10	Royalty Owner  Alcinda Lou Fox Santonas, a/k/a Alcinda Lou Santonas widow  Alice Ann Wise, single  Allan Karl Draheim, married dealing in his sole and separate property  Andra Emarie Gorby, single  Anita Carol Childrers, widow  Barbara J. Draheim, single  Barbara Lee Garrett and Daniel R. Garrett, her husband  Benjamin F. Farrell, a single man  Bernard J. Farrell, a single man  Bernard V. Kelly, Jr., a/k/a Bernard Kelly, and Cheryl L. Kelly, his wife  Betty Jean Stanley Connelly, widow  Bruce E. Gorby and Betty Lou Gorby, his wife  Bruce R. Harmon, married dealing in her sole and separate property  Carolyn Davis Gorby, widow  Charles F. Barnard, single  Cathy L. Sneed, married dealing in her sole and separate property  Caye Estes Everett  Church of Christ Coschocton  Charles William Baier, widower  Christopher S. Byrd, single  Catherine B. DiFlorio, married dealing in her sole and separate property  Clifford J. Thompson, Jr, married dealing in his sole and separate property	SWN Production Company, LLC	17% 18% 17% 17% 17% 17% 17% 15% 15% 17% 17% 17% 17% 17% 17% 17% 17% 17% 17	263A/305 266A/6 264A/216 282A/549 282A/515 263A/300 265A/402 189A/423 193A/115 269A/565 284A/431 279A/682 286A/506 279A/705 284A/170 281A/495 282A/486 282A/520 268A/69 283A/400 283A/845	RECEIVED Office of Oil and G
2 3-1-10	Royalty Owner  Alcinda Lou Fox Santonas, a/k/a Alcinda Lou Santonas widow  Alice Ann Wise, single  Allan Karl Draheim, married dealing in his sole and separate property  Andra Emarie Gorby, single  Anita Carol Childrers, widow  Barbara J. Draheim, single  Barbara Lee Garrett and Daniel R. Garrett, her husband  Benjamin F. Farrell, a single man  Bernard J. Farrell, a single man  Bernard V. Kelly, Jr., a/k/a Bernard Kelly, and Cheryl L. Kelly, his wife  Betty Jean Stanley Connelly, widow  Bruce E. Gorby and Betty Lou Gorby, his wife  Bruce R. Harmon, married dealing in her sole and separate property  Carolyn Davis Gorby, widow  Charles F. Barnard, single  Cathy L. Sneed, married dealing in her sole and separate property  Caye Estes Everett  Church of Christ Coschocton  Charles William Baier, widower  Christopher S. Byrd, single  Catherine B. DiFlorio, married dealing in her sole and separate property  Clifford J. Thompson, Jr, married dealing in his sole and separate property  Clarita V. Bash, widow  Coschocton Foundation, an Ohio corporation not for	, SWN Production Company, LLC	17% 17% 18% 17% 17% 17% 17% 15% 15% 17% 17% 17% 17% 17% 17% 17% 17% 17% 17	263A/305 266A/6 264A/216 282A/549 282A/515 263A/300 265A/402 189A/423 193A/115 269A/565 284A/431 279A/682 286A/506 279A/705 284A/170 281A/495 282A/486 282A/520 268A/69 283A/400	RECEIVED Office of Oil and G AUG 1 9 202
2 3-1-10	Royalty Owner  Alcinda Lou Fox Santonas, a/k/a Alcinda Lou Santonas widow  Alice Ann Wise, single  Allan Karl Draheim, married dealing in his sole and separate property Andra Emarie Gorby, single  Anita Carol Childrers, widow  Barbara J. Draheim, single  Barbara Lee Garrett and Daniel R. Garrett, her husband  Benjamin F. Farrell, a single man  Bernard J. Farrell, a single man  Bernard V. Kelly, Jr., a/k/a Bernard Kelly, and Cheryl L. Kelly, his wife  Betty Jean Stanley Connelly, widow  Bruce E. Gorby and Betty Lou Gorby, his wife  Bruce R. Harmon, married dealing in her sole and separate property Carolyn Davis Gorby, widow  Charles F. Barnard, single  Cathy L. Sneed, married dealing in her sole and separate property Caye Estes Everett Church of Christ Coschocton  Charles William Baier, widower  Christopher S. Byrd, single  Catherine B. DiFlorio, married dealing in her sole and separate property Clifford J. Thompson, Jr, married dealing in his sole and separate property Clarita V. Bash, widow	SWN Production Company, LLC	17% 17% 18% 17% 17% 17% 17% 15% 17% 17% 17% 17% 17% 17% 17% 17% 17% 17	263A/305 266A/6 264A/216 282A/549 282A/515 263A/300 265A/402 189A/423 193A/115 269A/565 284A/431 279A/682 286A/506 279A/705 284A/170 281A/495 282A/486 282A/520 268A/69 283A/400 283A/845 260A/543 279A/660	RECEIVED Office of Oil and G AUG 1 9 202
2 3-1-10	Royalty Owner  Alcinda Lou Fox Santonas, a/k/a Alcinda Lou Santonas widow  Alice Ann Wise, single  Allan Karl Draheim, married dealing in his sole and separate property  Andra Emarie Gorby, single  Anita Carol Childrers, widow  Barbara J. Draheim, single  Barbara Lee Garrett and Daniel R. Garrett, her husband  Benjamin F. Farrell, a single man  Bernard J. Farrell, a single man  Bernard V. Kelly, Jr., a/k/a Bernard Kelly, and Cheryl L. Kelly, his wife  Betty Jean Stanley Connelly, widow  Bruce E. Gorby and Betty Lou Gorby, his wife  Bruce R. Harmon, married dealing in her sole and separate property  Carolyn Davis Gorby, widow  Charles F. Barnard, single  Cathy L. Sneed, married dealing in her sole and separate property  Caye Estes Everett  Church of Christ Coschocton  Charles William Baier, widower  Christopher S. Byrd, single  Catherine B. DiFlorio, married dealing in her sole and separate property  Clifford J. Thompson, Jr, married dealing in his sole and separate property  Clarita V. Bash, widow  Coschocton Foundation, an Ohio corporation not for profit	SWN Production Company, LLC	17% 17% 18% 17% 17% 17% 17% 15% 17% 17% 17% 17% 17% 17% 17% 17% 17% 17	263A/305 266A/6 264A/216 282A/549 282A/515 263A/300 265A/402 189A/423 193A/115 269A/565 284A/431 279A/682 286A/506 279A/705 281A/495 282A/486 282A/520 268A/69 283A/400 283A/845 260A/543 279A/660 285A/733	
3-1-10	Royalty Owner  Alcinda Lou Fox Santonas, a/k/a Alcinda Lou Santonas widow  Alice Ann Wise, single  Allan Karl Draheim, married dealing in his sole and separate property  Andra Emarie Gorby, single  Anita Carol Childrers, widow  Barbara J. Draheim, single  Barbara Lee Garrett and Daniel R. Garrett, her husband  Benjamin F. Farrell, a single man  Bernard J. Farrell, a single man  Bernard V. Kelly, Jr., a/k/a Bernard Kelly, and Cheryl L. Kelly, his wife  Betty Jean Stanley Connelly, widow  Bruce E. Gorby and Betty Lou Gorby, his wife  Bruce R. Harmon, married dealing in her sole and separate property  Carolyn Davis Gorby, widow  Charles F. Barnard, single  Cathy L. Sneed, married dealing in her sole and separate property  Caye Estes Everett  Church of Christ Coschocton  Charles William Baier, widower  Christopher S. Byrd, single  Catherine B. DiFlorio, married dealing in her sole and separate property  Clifford J. Thompson, Jr, married dealing in his sole and separate property  Clarita V. Bash, widow  Coschocton Foundation, an Ohio corporation not for profit  Dorothy A. Baier, widow	SWN Production Company, LLC	17% 17% 18% 17% 17% 17% 17% 15% 17% 17% 17% 17% 17% 17% 17% 17% 17% 17	263A/305 266A/6 264A/216 282A/549 282A/515 263A/300 265A/402 189A/423 193A/115 269A/565 284A/431 279A/682 286A/506 279A/705 284A/170 281A/495 282A/486 282A/520 268A/69 283A/400 283A/845 260A/543 279A/660	RECEIVED Office of Oil and G

Debra L. Phillips, single	SWN Production Company, LLC	17%	279A/633		
	SWN Production Company, LLC	17%	264A/523		
		470/	2004/50		
	SWN Production Company, LLC	17% 17%	280A/59 261A/113		
,	SWN Production Company, LLC	17%	261A/93		
	SWN Production Company, LLC SWN Production Company, LLC	17%	278A/655		
Douglas H. Arnold and Cheryl D. Arnold, his wife	SWN Production Company, LLC	1776	2764/033		
Emily K. Harmon, married	SWN Production Company, LLC	16%	284A/378		
Edward Michael Draheim, married dealing in his sole	SWN Production Company, LLC	18%	264A/206		
and separate property	CIAMI Describes Commence II C	17%	282A/510		
Evelyn Denise Hall, single	SWN Production Company, LLC	17%	190A/413		
Frank A. Farrell	SWN Production Company, LLC	16%	282A/560		
Frank Wasler, single	SWN Production Company, LLC SWN Production Company, LLC	17%	261A/841		
G. Joan Stockton and Robert Stockton, her husband	SWIN Froduction company, LLC	1770	2017/041		
George Steven Donaghy and Kathy Lynn Donaghy, his	SWN Production Company, LLC	16%	283A/851		
wife	CMM Deaduction Company 11 C	170/	265A/385		
Gail Thomas Fox and Barbara Anne Fox, his wife	SWN Production Company, LLC	17%	203A/303		
Gary Wayne Draheim, Jr., married dealing in his sole	SWN Production Company, LLC	18%	268A/16		
and separate property		400/	2524/027		
· · · · · · · · · · · · · · · · · · ·	SWN Production Company, LLC	18%	263A/837		
and separate property Gerald Elwood Dean, single	SWN Production Company, LLC	18%	264A/148		
Hawley P. Harmon, married dealing in his sole and	SWN Production Company, LLC	17%	284A/373		
separate property					
Harold R. Boyd, single	SWN Production Company, LLC	17%	281A/483		
Joshua Lewis Harmon, single	SWN Production Company, LLC	17%	284A/368		
Tyler Jacob Harmon, single	SWN Production Company, LLC	17%	283A/856		
David W. Gorby, married dealing in his sole and	SWN Production Company, LLC	17%	279A/628		
separate property Dwain K. Gorby and Carol L. Gorby, his wife	SWN Production Company, LLC	17%	281A/460		
Melissa Ann Gorby Butler n/k/a Melissa Ann Butler,	SWN Production Company, LLC	17%	279A/655		
single					
James D. Fox and Lori A. Fox, his wife	SWN Production Company, LLC	17%	264A/211		
Marshall H. Gorby and Rhonda L. Gorby	SWN Production Company, LLC	17%	284A/333		
John D. Wise, married dealing in his sole and separate	SWN Production Company, LLC	17%	268A/63		
property Janet Clark Elliott, widow	SWN Production Company, LLC	17%	Pending		
Joanne Lynn Schricker, married dealing in her sole and	• •	17%	284A/413		
separate property	,,		22 4 .22		
John W. Daugherty and Mary Jane Daugherty, his wife	SWN Production Company, LLC	17%	286A/514		
Joseph M. Martini, single	SWN Production Company, LLC	17%	278A/187		
Julie Stocks, f/k/a Julie Marie Handy, single	SWN Production Company, LLC	17%	265A/412		
Justin Dale Draheim, single	SWN Production Company, LLC	18%	263A/821		
Kathleen E. Daugherty, widow	SWN Production Company, LLC	17%	269A/610		
Kathleen M. Ciorra, married dealing in her sole and	SWN Production Company, LLC	17%	284A/419		
separate property			<b>,</b>		
Kathy A. Trommer, a/k/a Catherine Limbaugh, a/k/a	SWN Production Company, LLC	17%	269A/582		
Kathryn Lambaugh, widow Kent E. Arnold and Mary Ann Arnold, his wife	SWN Production Company, LLC	17%	278A/203		
Kevin L. Strasser, single	SWN Production Company, LLC	17%	281A/489		
Lance Edward Draheim, married dealing in his sole	SWN Production Company, LLC	18%	267A/462		
and separate property	orning, LLC	1070	20774-02		
Laura Jean Mason, married dealing in her sole and	SWN Production Company, LLC	17%	284A/425		
separate property Laura L. Borick, f/k/a, Laura Lee Stocks, married	SWN Production Company, LLC	170/	2654/200		
dealing in her sole and separate property	ottive i roduction company, LLC	17%	265A/390		
Linda Sue Horton-Ray	SWN Production Company, LLC	17%	285A/795		
Louis David Williams, III, a married man dealing in his	SWN Production Company, LLC	18%	277A/521		
sole and separate property Louis David Williams, Jr., married dealing in his sole	SWN Production Company, LLC	18%	268A/58		
and separate property	doinpany, tto	13%	2007,00	DEST.	/FC
	SWN Production Company, LLC	17%	284A/338	RECEIN	
separate property Margaret Daugherty, a widow	SWN Production Company, LLC	17%	260A /E76	Office of Oil	and Gas
	SWN Production Company, LLC	17%	269A/576 263A/816	ALIC 1 A	2000
	o rousedon company, LLC	1/70	703W/610	AUG 1 9	7022
separate property			2544 /222	i i	
	SWN Production Company, LLC	17%	264A/535	l l	
Martha A. Frank and Ronald J. Frank, her husband	SWN Production Company, LLC SWN Production Company, LLC	17%	264A/535 279A/639	√v ~ 1	

Mary Snead, a/k/a Mary Louise Snead, married dealing in her sole and separate property	SWN Production Company, LLC	17%	265A/434	
Mary P. Christy, f/k/a Mary P. Morris, f/k/a Mary Stocks, married dealing in her sole and separate	SWN Production Company, LLC	17%	267A/446	
property Marcie Jo Naber, married dealing in her sole and	SWN Production Company, LLC	17%	285A/790	
separate property Michael A. Daugherty, a/k/a Michael Albert Daugherty, a married man dealing in his sole and	SWN Production Company, LLC	17%	144A/79	
separate property  Michael Ross Draheim, married dealing in his sole and	SWN Production Company, LLC	18%	269A/560	
separate property  Michael Taylor, married dealing in his sole and	SWN Production Company, LLC	17%	280A/349	
Separate property Michelle LeCroy, f/k/a Michelle Lee Dolin and James	SWN Production Company, LLC	17%	265A/428	
R. LeCroy, her husband Mitchell Taylor, married dealing in her sole and	SWN Production Company, LLC	17%	281A/434	
separate property Timothy J. Frederick and Pamela B. Frederick, a	SWN Production Company, LLC	17%	280A/364	
married couple Margaret McFarland Glaser, married dealing in her sole and separate property	SWN Production Company, LLC	17%	285A/784	
Patrick T. Stocks, married dealing in his sole and separate property	SWN Production Company, LLC	17%	265A/396	
Marie Ann Strasser, widow	SWN Production Company, LLC	17%	282A/525	
Mark Edward Strasser	SWN Production Company, LLC	17%	281A/508	
Phillip Hunter Draheim, married dealing in his sole	SWN Production Company, LLC	18%	267A/467	
and separate property  Jeanne Strasser Geusz, married dealing in her sole and		17%	281A/477	
separate property Melodie Rochelle, married dealing in her sole and	SWN Production Company, LLC	17%	285A/745	
separate property	SMAI Braduction Comment IIC	17%	282A/537	
Molly Strasser, single	SWN Production Company, LLC			
Nancy J. Thompson, widow	SWN Production Company, LLC	17%	283A/833	•
Nancy Ruth Daugherty	SWN Production Company, LLC	17%	290A/545	
Nancy Strasser Lehnhart, single	SWN Production Company, LLC	17%	283A/417	
Nicholas D. Strasser, married dealing in his sole and	SWN Production Company, LLC	17%	281A/514	
separate property Timothy J. Strasser, married dealing in his sole and separate property	SWN Production Company, LLC	17%	282A/480	
Marcus E. Farrell, a married man dealing in his sole and separate property	SWN Production Company, LLC	15%	189A/427	
Nancy Osborn, a single woman	SWN Production Company, LLC	15%	189A/438	
Varena J. Kessel, a married woman dealing in her sole and separate property	SWN Production Company, LLC	15%	189A/322	
Raymond B. Daugherty and Rheda N. Daugherty, his wife	SWN Production Company, LLC	17%	263A/315	
Raymond J. Daugherty and Dianna H. Daugherty, his wife	SWN Production Company, LLC	17%	261A/835	
Rex Wilburn, widower	SWN Production Company, LLC	17%	261A/819	
Richard Albert Daughtery, married dealing in his sole and separate property	SWN Production Company, LLC	17%	285A/193	·
Richard M. Martini, single	SWN Production Company, LLC	17%	277A/909	
Edward Franklin Estes, married dealing in his sole and separate property	SWN Production Company, LLC	17%	282A/570	
Robin Linn Gorby McCaskill aka Robin Lynn Gorby McCaskill and John R. McCaskill, Jr., her husband	SWN Production Company, LLC	16%	283A/429	
Robin Strasser, single	SWN Production Company, LLC	17%	282A/543	l
Robert Michael Wayne Draheim, single	SWN Production Company, LLC	18%	266A/1	I
Robert W. Milliken and Sandra Milliken, his wife	SWN Production Company, LLC	17%	264A/137	
Roberta A. Raymond, widow	SWN Production Company, LLC	17%	263A/489	1
Robyn H. MacDonald, married dealing in her sole and		17%	287A/116	
separate property Roscoe Village Foundation, Inc.	SWN Production Company, LLC	17%	282A/475	RECHIVEN/ED Officework and Gas
Rose Ann McGillvary and Daniel R. McGillvary, her	SWN Production Company, LLC	17%	265A/944	and Gas
husband Roy Howard McKinney, a married man dealing in his	SWN Production Company, LLC	17%	277A/144	^''AUG 🕻 <b>9</b> 2022
sole and separate property Ruth Ann Gianni, a/k/a Ruth Kelly, and Robert Gianni,		17%	268A/47	
her husband Sarah A. Lee, f/k/a Sally Stocks, and John E. Lee, her	SWN Production Company, LLC	17%	265A/938	WV Department of Environmental Protection
husband Stephen D. Thompson, married dealing in his sole and	SWN Production Company, LLC	17%	288A/237	1.000001
separate property Stephen Ford Whatley, Sr., married dealing in her sole and separate property	SWN Production Company, LLC	17%	286A/498	
				i

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Liberty Holding Company, Inc.	SWN Production Company, LLC	17%	261A/582	
separate property				
Daugherty, a married man dealing in his sole and				
Michael A. Daugherty, a/k/a Michael Albert	Chesapeake Appalachia, L.L.C.	17%	144A/79	
Antero nesources corporation	Onshore Properties, Inc		212NJ 300	
and separate property Antero Resources Corporation	SWN Production Company, LLC/Equinor USA		272A/588	
Varena J. Kessel, a married woman dealing in her sole	Antero Resources Corporation	15%	189A/322	
	Onshore Properties, Inc			
Antero Resources Corporation	SWN Production Company, LLC/Equinor USA		272A/588	
Nancy Osborn, a single woman	Antero Resources Corporation	15%	189A/438	
Antero Resources Corporation	Onshore Properties, Inc		212N/300	
and separate property Antero Resources Corporation	SWN Production Company, LLC/Equinor USA		272A/588	
Marcus E. Farrell, a married man dealing in his sole	Antero Resources Corporation	15%	189A/427	
	Onshore Properties, Inc		-	
Antero Resources Corporation	SWN Production Company, LLC/Equinor USA		272A/588	
Frank A. Farrell	Onshore Properties, Inc Antero Resources Corporation	15%	190A/413	
Antero Resources Corporation	SWN Production Company, LLC/Equinor USA		272A/588	
Bernard J. Farrell, a single man	Antero Resources Corporation	15%	193A/115	
·	Onshore Properties, Inc			
Antero Resources Corporation	SWN Production Company, LLC/Equinor USA		272A/588	
Benjamin F. Farrell, a single man	Antero Resources Corporation	15%	189A/423	
William Lester Draheim, married dealing in his sole and separate property	SWN Production Company, LLC	1070	Z04M/310	
and separate property	SWA Production Company IIC	18%	264A/518	
William Leonard Draheim, married dealing in his sole	SWN Production Company, LLC	18%	268A/21	
Vernon Sterling Johnson, single	SWN Production Company, LLC	18%	269A/588	
Varena A. Hollingshead, single	SWN Production Company, LLC	17%	267A/472	
Thomas Summers Daugherty	SWN Production Company, LLC	17%	Pending	
Thomas Leslie Kettle, Sr. widower	SWN Production Company, LLC	17%	282A/565	
macy Lee moward and mary nathry moward, his wife	ottit i oddition company, LLC	2,,,,		
Tracy Lee Howard and Mary Kathryn Howard, his wife	• •	17%	261A/99	
wife Timothy Neil Draheim, single	SWN Production Company, LLC	17%	263A/295	
Timothy Allan Connelly and Lori A.W. Connelly, his	SWN Production Company, LLC	17%	264A/529	
Timothy Allan Draheim, single	SWN Production Company, LLC	18%	263A/842	
separate property	5444 Froduction Company, LLC	17.70	200. 4.20	
separate property Thomas C. Wise, married dealing in his sole and	SWN Production Company, LLC	17%	268A/26	
Steven Michael Gorby, married dealing in his sole and	SWN Production Company, LLC	1770	203A) 310	
		17%	263A/310	

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#### ASSIGNMENT AND CONVEYANCE

## ARTICLE 1 ASSIGNMENT OF ASSETS

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

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

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

## ARTICLE 2 SPECIAL WARRANTY OF TITLE AND DISCLAIMERS

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

Section 2.2 Disclaimers of Warranties and Representations.

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

## ARTICLE 3 MISCELLANEOUS

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

Section 3.2 Governing Law. EXCEPT TO THE EXTENT THAT THE LAWS OF THE STATE OF WEST VIRGINIA ARE MANDATORILY APPLICABLE TO THIS ASSIGNMENT IN CONNECTION WITH THE CONVEYANCES OF PROPERTY.

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

- Section 3.3 Successors and Assigns. This Assignment shall bind and inure to the benefit of the Parties and their respective successors and assigns; provided, however, that nothing in this Assignment shall assign or grant, or in any way operate to assign or grant, any right, title or interest in, to or under the Acreage Trade Agreement to any successor or assign of Assignees with respect to the Conveyed Assets or any part thereof, it being expressly understood that rights, titles and interests under the Acreage Trade Agreement may only be obtained or assigned in accordance with the terms thereof.
- Section 3.4 <u>Titles and Captions</u>. All Article or Section titles or captions in this Assignment are for convenience only, shall not be deemed part of this Assignment and in no way define, limit, extend or describe the scope or intent of any provisions hereof. Except to the extent otherwise stated in this Assignment, references to "Articles" and "Sections" are to Articles and Sections of this Assignment, and references to "Exhibits" are to the Exhibits attached to this Assignment, which are made a part hereof and incorporated herein for all purposes.
- Section 3.5 <u>Counterparts</u>. This Assignment may be executed in any number of counterparts, and each such counterpart hereof shall be deemed to be an original instrument, but all of such counterparts shall constitute for all purposes one agreement. Multiple counterparts of this Assignment may be recorded with federal agencies and in the counties and parishes of the states where the Conveyed Assets are located, but the inclusion of a description of any Asset in more than one counterpart of this Assignment shall not be construed as having effected any cumulative, multiple or overlapping interest in the applicable Asset. Any signature hereto delivered by a party by facsimile or other electronic transmission shall be deemed an original signature hereto.
- Section 3.6 Prior Representations, Warranties and Covenants. To the extent, and only to the extent, (a) permitted by Law, (b) of any indemnity of Assignees provided to Assignor under the Acreage Trade Agreement and (c) such subrogation is not prohibited or otherwise restricted by the respective underlying instrument or agreement, Assignees shall be subrogated to Assignor's rights in and to all representations, warranties and covenants given with respect to the Conveyed Assets. To the extent provided in the preceding sentence, Assignor hereby grants and transfers to Assignees, its successors and assigns, to the extent so transferrable and permitted by Law, the benefit of and the right to enforce all representations, warranties and covenants, if any office of Oil and Gas

Section 3.7 <u>Definitions</u>. When used in this Assignment, the following terms shall have the meanings specified:

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

- (i) entitles Assignees (in the aggregate) to the Net Acreage that is set forth on Exhibit B to the Acreage Trade Agreement for such Lease;
- (ii) entitles Assignees (in the aggregate) to receive and retain from each Lease described in <a href="Exhibit B">Exhibit B</a> to the Acreage Trade Agreement not less than the percentage set forth on <a href="Exhibit B">Exhibit B</a> to the Acreage Trade Agreement as the Net Revenue Interest in such Lease; and
- (iii) is free and clear of all liens (including mortgages or deeds of trust), suits, judgments, encumbrances, charges, adverse claims, burdens and defects that may adversely affect the ownership, development, operation or value of such Lease.

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





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

#### ASSIGNOR:

TH EXPLORATION, LLC, a Texas limited liability company

By: David D. Kalish

Title: Senior Vice President - Land

#### **ACKNOWLEDGMENTS**

STATE OF TOUCH

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

SEAL

My commission expires: 07:30-20-4

lotary Public

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

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#### ASSIGNEES:

SWN PRODUCTION COMPANY, LLC a Texas limited liability company

By: Name:

Title: LAND

#### ACKNOWLEDGMENTS

STATE OF IELAS COUNTY OF HARRI

On this, the Il day of , 2022, before me a Notary Public, the undersigned officer, PAul M. Bacho, personally appeared and acknowledged himself to LAND MANAGER Texas limited Liability, and that he as such LANG MANAGEN and being authorized to do so, executed the foregoing instrument for the purposes therein contained by signing the name of the corporation by himself as LAND Manager

LALSHIPP .dary ID #6231071 pires February 20, 2024

Notary Public

SEAL

My commission expires: 2/20/2024



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#### **ASSIGNEES**

	EQUINOR USA ONSHORE PROPERTIES INC, a Delaware corporation
	By: Name: Title:
	ACKNOWLEDGMENTS
STATE OF	
undersigned officer.	day of, 2022, before me a Notary Public, the, personally appeared and acknowledged himself to of, a
executed the foregoing i	of, and that he as such and being authorized to do so, nstrument for the purposes therein contained by signing the name of the
corporation by himself a	·
	Notary Public

**SEAL** 

My commission expires:

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## Exhibit "A" Leases - TH Exploration, LLC to SWN and EQNR

Attached to and made a part of that certain Assignment and Conveyance, effective July 6.2022 by and between TH Exploration, LLC and SWN Production Company, LLC and Equinor USA Onshore Properties Inc.

TH Lease Number	Lessor	Lessee	Effective Date	County	District	BK-PG	Gross Acres	Tax Parcel Number	Partial Assignment	Conveyed Parcels	Retained Parcels	Conveyed Depths
10*40410	DELORSE A HORNER, WIDOW	TH EXPLORATION, LLC	03/03/2022	Wetzel	Clay	285A - 65	7,500000	3-1-7	No	3-1-7		ALL

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#### west virginia department of environmental protection

Oil and Gas Conservation Commission 601 57th Street SE, Charleston, WV 25304 304-414-1239

Randall M. Albert, Chairman dep.wv.gov

307-311

## BEFORE THE OIL AND GAS CONSERVATION COMMISSION OF THE STATE OF WEST VIRGINIA

IN THE MATTER OF THE REQUEST BY SWN PRODUCTION
COMPANY, LLC FOR AN ORDER FROM THE COMMISSION
ESTABLISHING A DRILLING UNIT AND POOLING OF
UNLEASED TRACTS AND INTERESTS OF OIL AND GAS
OWNERS AND OPERATORS WHO HAVE NOT ENTERED INTO
VOLUNTARY AGREEMENTS ALLOWING FOR THE DEVELOPMENT
AND OPERATION OF THE YOCUM SOUTH B UNIT CONSISTING OF
546.62463 ACRES, TO BE LOCATED IN LIBERTY DISTRICT MARSHALL
COUNTY, AND CENTER DISTRICT AND CLAY DISTRICT, WETZEL
COUNTY, WEST VIRGINIA

#### REPORT AND ORDER OF THE COMMISSION

On July 18, 2022 and as further continued on August 22, 2022, the Applicant, SWN Production Company, LLC ("SWN"), appeared by Paul J. Atencio, of Atencio Hall & McKernan, PLLC, its counsel, before the West Virginia Oil and Gas Conservation Commission (the "Commission") upon SWN's request to form a drilling unit, the Yocum South B Unit, located in Marshall County and Wetzel County, West Virginia, having as its target formation the Marcellus Shale formation and consisting of 546.62463 acres, which shall include two horizontal wells identified as the Yocum MSH 10H and Yocum MSH 8H wells (collectively, the "Unit").

degrees from Ohio State University. Mr. Buchwalter testified that the Unit and corresponding horizontal wells target the Marcellus Shale formation, that the unitized formation is a pool or part of a pool of hydrocarbons with lateral consistency and uniformity, and therefore production for 16/2022 the Unit should be allocated on a surface acreage or net mineral acre basis. Mr. Buchwalter testified that the Unit and wells are designed to effectively and efficiently drain the target

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#### west virginia department of environmental protection

Oil and Gas Conservation Commission 601 57th Street SE, Charleston, WV 25304 304-414-1239

Randall M. Albert, Chairman dep.wv.gov

#### BEFORE THE OIL AND GAS CONSERVATION COMMISSION OF THE STATE OF WEST VIRGINIA

IN THE MATTER OF THE REQUEST BY SWN PRODUCTION
COMPANY, LLC FOR AN ORDER FROM THE COMMISSION
ESTABLISHING A DRILLING UNIT AND POOLING OF
UNLEASED TRACTS AND INTERESTS OF OIL AND GAS
OWNERS AND OPERATORS WHO HAVE NOT ENTERED INTO
VOLUNTARY AGREEMENTS ALLOWING FOR THE DEVELOPMENT
AND OPERATION OF THE YOCUM SOUTH B UNIT CONSISTING OF
546.62463 ACRES, TO BE LOCATED IN LIBERTY DISTRICT MARSHALL
COUNTY, AND CENTER DISTRICT AND CLAY DISTRICT, WETZEL
COUNTY, WEST VIRGINIA

#### REPORT AND ORDER OF THE COMMISSION

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Upon presentation of testimony and exhibits, the Commission hereby forms the Yocum South B Unit pursuant to West Virginia Code Section 22C-9-7a, as shown on the Exhibit attached hereto and incorporated herein.

Mr. Ian Nicas, landman for SWN, holds an undergraduate degree from University of Nebraska Lincoln and a J. D. from South Texas College of Law. Mr. Nicas testified as to the current status of the interests SWN proposed to force pool and described SWN's efforts to locate and negotiate with interests that were either: (a) unleased; (b) subject to a lease that did not contain pooling or unitization rights; or (c) are subject to a lease that is held by other operators that have not entered into voluntary agreements allowing for the development and operation of the Unit. Mr. Nicas also testified that there are unknown or unlocatable interest holders that are subject to the Co-Tenancy Act. Additionally, several interests that are leased but that lack pooling and unitization terms and conditions are also held by unknown or unlocatable owners. Mr. Nicas testified that the Unit is necessary to prevent waste from acreage that would otherwise be stranded or uneconomical to produce unless it is included in this Unit, and that an order from the Commission is necessary to develop the Unit acreage to protect the correlative rights of unit owners consistent with the public policy of West Virginia to conserve and develop the state's natural resources.

Mr. Edwin Buchwalter, development geologist for SWN, holds bachelor's and master's degrees from Ohio State University. Mr. Buchwalter testified that the Unit and corresponding horizontal wells target the Marcellus Shale formation, that the unitized formation is a pool or part of a pool of hydrocarbons with lateral consistency and uniformity, and therefore production from the Unit should be allocated on a surface acreage or net mineral acre basis. Mr. Buchwalter testified that the Unit and wells are designed to effectively and efficiently drain the target

formation unit acreage, and that the Unit is necessary to prevent waste and to prevent mineral acreage from being stranded.

Mr. Tim Wright, a reservoir engineer for SWN, holds a bachelor's degree in petroleum engineering from Louisiana State University. Mr. Wright testified that the Unit and corresponding wells are designed to maximize production from the Unit, that it is not practical to develop the target formation from vertical wells, and that the Unit and wells as planned prevent waste and protect the correlative rights of the owners in the Unit.

The Commission examined the witnesses. Several interested owners subject to SWN's request to force pool and unitize their interests pursuant to SWN's Application did not appear or object to SWN's Application, including: (a) the individual unleased mineral owner; (b) several leased mineral owners who have not entered into voluntary agreements allowing for the development and operation of the Unit; and (c) two operators including EQT Production Company and WISC Deuce LP who have not entered into voluntary agreements allowing for the development and operation of the Unit. Blue Ridge Royalties, LLC, an operator and holder of working interests in the proposed Unit, submitted an objection via letter but did not appear at the July 18, 2022 hearing. By letter dated July 26, 2022, SWN, through its counsel, submitted a post-hearing response to address questions and matters raised during the July 18, 2022 hearing. Blue Ridge Royalties, LLC appeared at the August 22, 2022 hearing to submit testimony in objection to SWN's Application. By Partial Assignment effective August 31, 2022, a copy of which was provided to the Commission, Blue Ridge Royalties, LLC assigned all of its leasehold working interests within the Unit to SWN. Therefore, Blue Ridge Royalties is no longer an interested party in the Unit and its objections are resolved.

Mr. Jeffrey Yourkovich CPA, CMM, CGMA, of Yourkovich & Associates in Wheeling, West Virginia, was selected by the Commission as an independent accountant for the purpose of reviewing confidential royalty and bonus information of the leasehold unitized acreage within the Unit pursuant to West Virginia Code §22C-9-7a(g)(4), et seq. At the August 22, 2022 hearing, the Commission entered Mr. Yourkovich's report into the docket and approved the findings and conclusions of the report.

Following the testimony on August 22, 2022, the Commission adjourned for deliberation.

Upon return, the Commission approved SWN's Application. The Commission makes the following findings of fact and conclusions of law and orders as follows:

#### **FINDINGS OF FACT**

- 1. Members of the Commission present at the hearing were Randall M. Albert, Chair, James Martin, Michael McCown, Robert Radabaugh and Harold Ward, Commissioners. Susan Rose attended as Commission staff, and John Gray, attended as counsel to the Commission. SWN witnesses attended in person at the July 18, 2022 hearing and remotely by video at the August 22, 2022 hearing.
- 2. SWN is an operator within the meaning of West Virginia Code § 22C-9-2.
- 3. The Yocum South B Unit and wells within the Unit are a horizontal well unit and wells within the meaning of West Virginia Code § 22C-9-2 and West Virginia Code § 22C-9-7a, and the Commission has jurisdiction to form the Unit requested. Through testimony and exhibits, the Commission has adequate information to evaluate SWN's requests and make this Report and Order.

#### **CONCLUSIONS OF LAW**

- 1. Due and proper notice of time, place and purpose of hearing has been given in all respects as required by law.
- 2. The Commission has jurisdiction over the subject matter and authority to grant the relief requested.
- 3. The hearing was property convened, and a quorum of Commissioners were present.
- 4. SWN is an experienced, qualified operator of horizontal wells.
- 5. The requested Unit is necessary to promote the exploration for and development, production, utilization and conservation of oil and gas resources.
- 6. SWN presented exhibits which showed the proposed Yocum South B Unit, and testimony regarding the Unit and proposed wells, adequate for the Commission to review the Unit, the wells and to enter this Order. The Unit is approved as submitted with the Application therefore and is formed at the location shown on the Exhibit attached to this Report and Order.
- 7. Forming the Unit will prevent waste, promote conservation, exploration, development and maximum recovery of oil and gas, and protect correlative rights of owners and operators such that each will receive a just and equitable share of production.

#### <u>ORDER</u>

With respect to the Marcellus Shale formation, the Commission hereby forms the Yocum South B Unit and the property in the Unit is hereby pooled for drilling, production and sale of oil and gas from the Marcellus Shale formation.

SWN is hereby appointed Operator of the Yocum South B Unit, and upon receipt of a permit, is authorized to drill, complete and produce two horizontal wells which target the Marcellus Shale formation in the Unit. With respect to production from a horizontal well drilled in the Unit, regardless of the tract or tracts in the unit from which oil or gas is produced, the Operator shall divide and allocate revenue from production from each well drilled within the Unit to the tracts or portions thereof in the Unit, on the basis of acreage in a tract or portion thereof included in the Unit bears to the total acreage in the Unit, and the royalty with respect to each tract, or portion thereof, within the Unit shall be allocated to royalty owners in that tract (calculating partial interests on a pro rata basis for royalty interest on any parcel owned in common).

All reasonable costs and expenses of drilling, completing, equipping, operating, plugging and abandoning such well shall be borne, and all production therefrom shared, by all owners of operating interests who elect to participate in the well to be drilled in the Unit in the proportion their net oil or gas operating interest acreage in the Unit bears to the total acreage in the Unit.

All operations, including, but not limited to, the commencement, drilling or operation of a well upon any portion of the Unit shall be deemed for all purposes the conduct of such operations upon each separately owned tract in the unit by the owners thereof. That portion of the production allocated to a tract included in the Unit shall, when produced, be deemed for all purposes to have been actually produced from such tract within the Unit by a well drilled thereon.

All property, and interests therein, that lie within the Unit are hereby included in the Unit.

This Order shall be binding on the property subject to the Unit and all owners of the property and their heirs, representatives, successors, and assigns.

#### Owners of Property Not Subject to an Oil and Gas Lease

Unleased owners shall be paid a one-time payment equal to Four Thousand Seventy-One and 48/100 Dollars (\$4,071.48) per net oil and gas acre owned within the Unit and shall receive a production royalty of twenty percent (20%). The production royalty payable to unleased owners shall be paid on revenues received from sales which shall be equal to an amount received from sales to a bona fide, arm's length third party purchaser without deduction of post-production expenses, payable as SWN pays royalties to other lessors in the unit in the regular course of business. In the event there is a dispute regarding any payments, the parties shall apply to the Commission for resolution of the dispute.

SWN shall send a copy of this Order to each unleased owner whose address is known to SWN. Provided, that on the request received within ninety (90) days after entry of this Order, unleased owners shall be afforded the opportunity to make elections pursuant to West Virginia Code § 22C-9-7a(f)(7) by so notifying SWN, including making an election to surrender its unleased oil and gas interest to participating operators in the Unit for consideration under Section 22C-9-7a(f)(7)(A); or making an election for unitization consideration under 22C-9-7a(f)(7)(B).

# Owners of Property Subject to Oil and Gas Leases who Have Not Consented to Pooling and Unitization

Royalty owners of leased tracts who have not consented to pooling or unitization shall be paid a one-time payment equal to One Thousand Seventeen and 87/100 Dollars (\$1,017.87) per net oil and gas acre owned within the unit and shall receive a production royalty of 13.9 percent (13.9%). The production royalty payable to unleased owners shall be paid on revenues received from sales which shall be equal to an amount received from sales to a bona fide, arm's length third party purchaser without deduction of post-production expenses, payable as SWN pays royalties to other lessors in the unit in the regular course of business. In the event there is a dispute regarding any payments, the parties shall apply to the Commission for resolution of the dispute.

#### **Third Party Operators**

In the event that any third-party operator does not convey all of its interest in the Unit to SWN through a recorded assignment, the third-party operator's interest(s) in the Unit shall be force pooled, and the force-pooled third party operator shall have the option to participate in the drilling of the wells in the Unit on a limited or carried basis pursuant to the terms of the operating agreement included in the unitization application and further amended by SWN in a letter to the Commission dated July 26, 2022 placed of record as Exhibit 3 in the hearing held on August 22, 2022. In the event there is any dispute regarding payments to the third-party operator, the parties shall apply to the Commission for resolution of the dispute.

This pooling and unitization for production of oil and gas from the Marcellus Shale formation shall exist until the Commission orders otherwise.

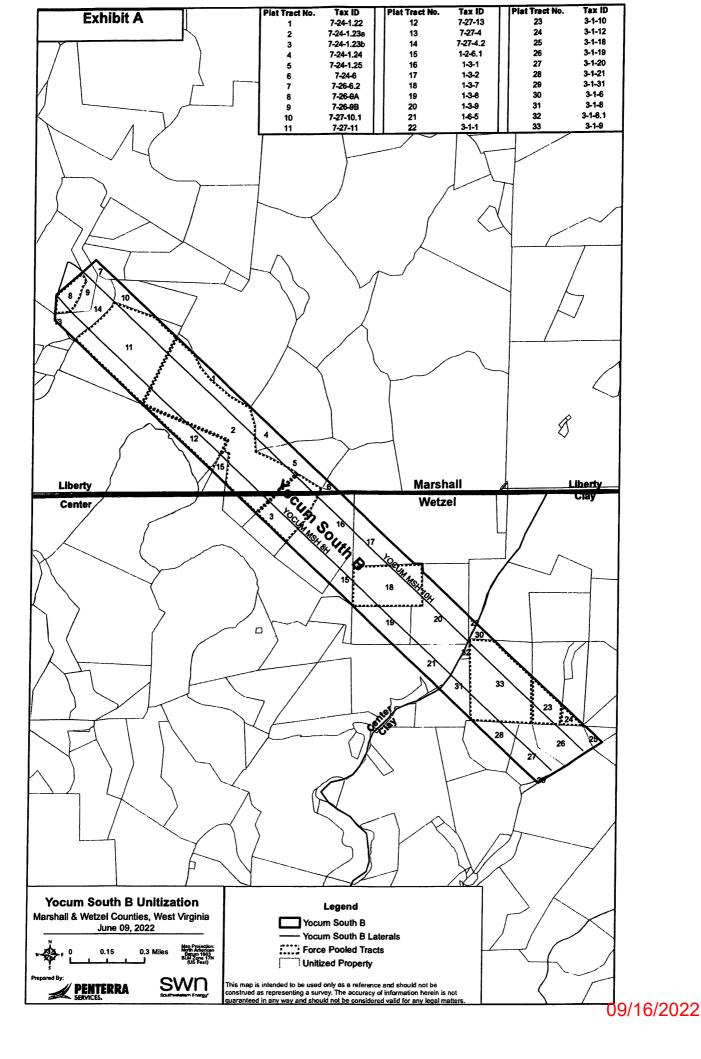
#### IT IS SO ORDERED.

#### IN THE NAME OF THE STATE OF WEST VIRGINIA

## OIL AND GAS CONSERVATION COMMISSION OF THE STATE OF WEST VIRGINIA

By: Randall M. Albert
Randall M. Albert, Chairman

Dated this 7th day of September, 2022, at Charleston, West Virginia



### 4705102462



SWN Production Company, LLC 1300 Fort Pierpont Dr, Ste 201 Morgantown, WV 26508 Tel: 304-684 1610 Fax: 304 4712497 www.swn.com

June 20, 2022

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

RE: SWN's proposed New Well: Yocum MSH 10H in Marshall County, West Virginia, Drilling under Amos Hollow Road, Rice Ridge Road, and Low Gap Run Road.

Dear Mr Brewer:

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

Thank you.

Sincerely,

Ian R. Nicas Staff Landman

SWN Production Company, LLC

R2 W+°

Date of Notice Certification:

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

API No. 47-009

		Operator	's Well No. Yocu	m MSH 10H
		Well Pad	Name: Yocum	MSH
	Deen given: the provisions in West Virginia Code § tract of land as follows:	22-6A, the Operator has provided the re	equired parties v	vith the Notice Forms listed
State:	West Virginia	Easting:	535664.46	
County:	051-Marshall	UTM NAD 83 Easting. Northing:		
District:	Liberty	Public Road Access:	Amos Hollow Ro	ad
Quadrangle:	Littleton	Generally used farm name:	Yocum	
Watershed:	Upper Ohio South			
prescribed by it has provide information re of giving the requirements Virginia Code	the secretary, shall be verified and sled the owners of the surface describe equired by subsections (b) and (c), se surface owner notice of entry to su of subsection (b), section sixteen of	every permit application filed under the nall contain the following information: (seed in subdivisions (1), (2) and (4), subsection sixteen of this article; (ii) that the recovery pursuant to subsection (a), section f this article were waived in writing by ender proof of and certify to the secretary.	14) A certification besettion (b), see requirement was ten of this artion the surface over	on from the operator that (i) ction ten of this article, the deemed satisfied as a result cle six-a; or (iii) the notice wher; and Pursuant to West
that the Oper	rator has properly served the required	_		OOG OFFICE USE ONLY
☐ 1. NOT	TICE OF SEISMIC ACTIVITY or	■ NOTICE NOT REQUIRED BECA SEISMIC ACTIVITY WAS CONDUC		□ RECEIVED/ NOT REQUIRED
■ 2. NOT	TICE OF ENTRY FOR PLAT SURV	EY or D NO PLAT SURVEY WAS O	CONDUCTED	RECEIVED
■ 3. NOT	TICE OF INTENT TO DRILL or	☐ NOTICE NOT REQUIRED BECANOTICE OF ENTRY FOR PLAT SUF WAS CONDUCTED or		RECEIVED/ NOT REQUIRED
		WRITTEN WAIVER BY SURFA (PLEASE ATTACH)	ACE OWNER	
■ 4. NOT	TICE OF PLANNED OPERATION			RECEIVED
■ 5. PUB	BLIC NOTICE			RECEIVED
■ 6. NO	TICE OF APPLICATION			RECEIVED

#### **Required Attachments:**

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

#### Certification of Notice is hereby given:

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

Well Operator: SWN Production Co., LLC

Brittany Woody

By: Its: Senior Regulator

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 My Comm. Expires Aug 21, 2024 Sparrow Lane Morgantown WV 26508

Subscribed and sworn before me this 154

Notary Public

My Commission Expires 8/21/2024

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.

API NO. 47-009 5 1 0 2 4 6 2 OPERATOR WELL NO. YOCUM MSH 10H Well Pad Name: YOCUM MSH

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

Notice Time R	equirement: notice shall be provi	ded no later than the filing date of permit application.
Date of Notice Notice of:	Date Permit Applica	tion Filed: With
PERMIT	FOR ANY CERTIF	ICATE OF APPROVAL FOR THE
WELL W		RUCTION OF AN IMPOUNDMENT OR PIT
Delivery meth	od pursuant to West Virginia C	ode § 22-6A-10(b)
☐ PERSON	AL Z REGISTERED	☐ METHOD OF DELIVERY THAT REQUIRES A
SERVICE		RECEIPT OR SIGNATURE CONFIRMATION
sediment contro the surface of the oil and gas lease described in the operator or lesses more coal seams well work, if the impoundment of have a water we provide water for proposed well we subsection (b) of records of the sl provision of this Code R. § 35-8-	I plan required by section seven of the tract on which the well is or is probable to the tract on which the well is or is probable to the proposerosion and sediment control plans see, in the event the tract of land on very see, in the event the tract of land on very see, in the event the tract of land on very see, in the event the tract of land on very serious tract is to be used for the property of the second of the s	quires a receipt or signature confirmation, copies of the application, the erosion and this article, and the well plat to each of the following persons: (1) The owners of record of posed to be located; (2) The owners of record of the surface tract or tracts overlying the sed well work, if the surface tract is to be used for roads or other land disturbance as submitted pursuant to subsection (c), section seven of this article; (3) The coal owner, which the well proposed to be drilled is located [sic] is known to be underlain by one or urface tract or tracts overlying the oil and gas leasehold being developed by the proposed placement, construction, enlargement, alteration, repair, removal or abandonment of any this article; (5) Any surface owner or water purveyor who is known to the applicant to eated within one thousand five hundred feet of the center of the well pad which is used to stic animals; and (6) The operator of any natural gas storage field within which the lift more than three tenants in common or other co-owners of interests described in ands, the applicant may serve the documents required upon the person described in the suant to section eight, article one, chapter eleven-a of this code. (2) Notwithstanding any ien holder is not notice to a landowner, unless the lien holder is the landowner. W. Va. rator shall also provide the Well Site Safety Plan ("WSSP") to the surface owner and any not water testing as provided in section 15 of this rule.
☐ Application	Notice ☑ WSSP Notice ☑ E&	S Plan Notice  Well Plat Notice is hereby provided to:
SURFACE C	OWNER(s)	☑ COAL OWNER OR LESSEE
Name: Joseph L.	Yocum	Name: Blaze Minerals
Address: 230 Cu	rtis Ave	Address: 520 Folly Road, Suite P285
Moundsville, WV 260	041	Charleston, SC 29412
Name: Michael D	Yocum	☐ COAL OPERATOR
Address: 20014	th Street	Name:
Moundsville, WV 260	041	Address:
I SURFACE C	WNER(s) (Road and/or Other Di	sturbance)
	***************************************	
Address:		AND/OR WATER PURVEYOR(s)
Address:		Address:
		☐ OPERATOR OF ANY NATURAL GAS STORAGE FIELD
SURFACE C	WNER(s) (Impoundments or Pits	Name:
Name:	The second second second second	Address
Address:		
		*Please attach additional forms if necessary

4705102462 API NO. 47-0515102462 OPERATOR WELL NO. Yocum MSH 10H Well Pad Name: Yocum MSH

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

Notice Time Requirement: notice shall be provided no later that	in the filing date of permit application.
Date of Notice: United: United	(30)
✓ PERMIT FOR ANY ☐ CERTIFICATE OF APPROXIMATION	POVAL FOR THE
#####	AN IMPOUNDMENT OR PIT
Delivery method pursuant to West Virginia Code § 22-6A-10	0(b)
☐ PERSONAL ☑ REGISTERED ☐ METH	OD OF DELIVERY THAT REQUIRES A
SERVICE MAIL RECE	IPT OR SIGNATURE CONFIRMATION
the surface of the tract on which the well is or is proposed to be local oil and gas leasehold being developed by the proposed well work, it described in the erosion and sediment control plan submitted pursual operator or lessee, in the event the tract of land on which the well pursual operator or lessee, in the event the tract of land on which the well pursual work, if the surface tract is to be used for the placement, constraint impoundment or pit as described in section nine of this article; (5) A have a water well, spring or water supply source located within one provide water for consumption by humans or domestic animals; and proposed well work activity is to take place. (c)(1) If more than three subsection (b) of this section hold interests in the lands, the applicant records of the sheriff required to be maintained pursuant to section oprovision of this article to the contrary, notice to a lien holder is not	the well plat to each of the following persons: (1) The owners of record of ated; (2) The owners of record of the surface tract or tracts overlying the of the surface tract is to be used for roads or other land disturbance as ant to subsection (c), section seven of this article; (3) The coal owner, roposed to be drilled is located [sic] is known to be underlain by one or acts overlying the oil and gas leasehold being developed by the proposed function, enlargement, alteration, repair, removal or abandonment of any any surface owner or water purveyor who is known to the applicant to thousand five hundred feet of the center of the well pad which is used to 1 (6) The operator of any natural gas storage field within which the detenants in common or other co-owners of interests described in and may serve the documents required upon the person described in the eight, article one, chapter eleven-a of this code. (2) Notwithstanding any notice to a landowner, unless the lien holder is the landowner. W. Va. rovide the Well Site Safety Plan ("WSSP") to the surface owner and any
☐ Application Notice ☐ WSSP Notice ☐ E&S Plan Notice	☑ Well Plat Notice is hereby provided to:
☑ SURFACE OWNER(s)	☑ COAL OWNER OR LESSEE
Name: Susan and Frank Stipetich	Name: Consol Energy
Address: 310 3rd Street	Address: 257 Technology Drive Suite 101
Glen Dale, WV 26038	Canonsburg, PA 15317-6506
Name: Phillip D. High	□ COAL OPERATOR
Address: 37 Aaronwoods Court	Name:
Wheeling, WV 26003	Address:
SURFACE OWNER(s) (Road and/or Other Disturbance)	C WAS AND
Name:	☐ SURFACE OWNER OF WATER WELL
Address:	AND/OR WATER PURVEYOR(s)
· · · · · · · · · · · · · · · · · · ·	Name:
Name:	Address:
Address:	1 1441 COD.
The state of the s	☐ OPERATOR OF ANY NATURAL GAS STORAGE FIELD
☐ SURFACE OWNER(s) (Impoundments or Pits)	Name:
Name:	Address:
Address:	
	*Please attach additional forms if necessary

4705102462

OPERATOR WELL NO. Yocum MSH 10H

Well Pad Name: Yocum MSH

Notice is hereby given:

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

#### This Notice Shall Include:

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

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

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

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

Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th 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

API NO. 47-709 0 5 1 0 2 4 6 2

OPERATOR WELL NO. YOCUM MSH 10H

Well Ded Name: Youm MSH

Well Pad Name: Yocum MSH
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

#### 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:

drilling horizontal wells, including reasonable means of mitigating such factors, if necessary.

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

#### Written Comment:

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

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

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

4705102462

OPERATOR WELL NO. Yocum MSH 10H Well Pad Name: Yocum MSH

Time Limits and Methods for Filing Comments.

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

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

**Comment Requirements** 

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

Disclaimer: All comments received will be placed on our web site <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.

4705102462 PINO.47-009

OPERATOR WELL NO. Yocum MSH 10H Well Pad Name: Yocum MSH

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 <a href="mailto:deprivacyofficer@wv.gov">deprivacyofficer@wv.gov</a>.

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

Subscribed and sworn before me this 1st day of Jun, 2022

Notary Public

My Commission Expires 8/21/2024

## 4705102462

OWNERNAME	ADDRESS	CHTY/STATE/ZHP	PARCEL_ID	WaterSources
GEDEON DANIEL D ET UX	6740 PARK RD	LEAVITTSBURG, OH 44430	07 260006000000000	3
VELLEKOOP PETER ET UX	220 CRYSTAL COVE RD	WALDOBORO, ME 04572	07 26000600020000	1
YOCUM MICHAEL DAVID ET AL	2001 4TH ST	MOUNDSVILLE, WV 26041	07 27000400010000	1
HIGH PHILIP D	37 AARON WOODS CT	WHEELING, WV 26003	07 27000800000000	1

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

	equirement: Notice shall be provi	ded at least SEVEN (7) day	s but no more that	1 FURI Y-FIVE (45	) days prior to
Date of Notice:	5/18/22 Date of Plan	ned Entry:5 35 33	and the same of th		
Delivery metho	d pursuant to West Virginia Co	de § 22-6A-10a			
☐ PERSONA	L REGISTERED	☐ METHOD OF DEL	VERY THAT RE	QUIRES A	age or seeming the control of the co
SERVICE	MAIL	RECEIPT OR SIGN			To the second se
on to the surface but no more than beneath such tra owner of minera and Sediment Co Secretary, which	et Virginia Code § 22-6A-10(a), Pre- tract to conduct any plat surveys in forty-five days prior to such entract that has filed a declaration pursuls underlying such tract in the cou- control Manual and the statutes and a statement shall include contact in the countrol when the country is the country in the country is the country in the country is the country in th	required pursuant to this ari y to: (1) The surface owner uant to section thirty-six, ar nty tax records. The notice rules related to oil and gas aformation, including the ad	cle. Such notice sof such tract; (2) to cle six, chapter to shall include a state exploration and properties.	shall be provided at lead of any owner or lesse wenty-two of this cook tement that copies of roduction may be obtained.	east seven days e of coal seams le; and (3) any the state Erosion ained from the
Notice is hereby	y provided to:				
■ SURFACE	OWNER(s)	COAL	OWNER OR LE	SSEE	
Name: Joseph L. Yo	ocum	Name: Blaze	Minerals, LLC		
Address: 230 Curt	lis Ave	Address: 5	20 Folly Road, Suite P285	j	100 mm
Moundsville, WV 2604		Charleston, SC	29412		
Name: Michael D. \		E			
Address: 2001 4th			RAL OWNER(s)		de l'amonte
Moundsville, WV 2604			nbia Gas Transmission, L		
Name: Susan and F Address: 310 3rd			51 San Felipe, Suite 250	0	
Glen Dale, WV 26038	Outer	Houston, TX 77	additional forms if neo	222227	Colombia de la colomb
Cicii Baic, 117 20000		· please attuch	additional forms if not	cssary	
a plat survey on State: W County: M District:	by given: t Virginia Code § 22-6A-10(a), no the tract of land as follows: /est Virginia larshall berty tttleton		de & Longitude: ccess:	operator is planning 39.732795, -80.583668 Amos Hollow Road West Hirginia Fork Fish Cre Yocum	
may be obtained Charleston, WV	tte Erosion and Sediment Control of from the Secretary, at the WV December 25304 (304-926-0450). Copies of the Secretary by visiting www.dep. by given by:  SWN PRODUCTION COMPANY, LLC	epartment of Environmental of such documents or addition	Protection headque nal information re	arters, located at 601 Plated to horizontal d	57 <sup>th</sup> Street, SE,
Telephone:	304-884-1610		Morgantown, WV 26508		The second secon
Email:	brittany_woody@swn.com	Facsimile:			1 1
		and the second 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 depprivacyofficer way gov.

4705102462

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

Notice Time Re	equirement: N	Notice shall be provide	ded at least SE	VEN (7) day	ys but no more than	FORTY-	FIVE (45) day	s prior to	
entry  Date of Notice:	5/18/22	Date of Plan	ned Entry:	5/25/22	10		6.00 m	44 DDC - 00 CMAN	
Delivery metho	d pursuant to	o West Virginia Co	de § 22-6A-10	a					
☐ PERSONA	J. 🔳	REGISTERED	□ метно	OD OF DEL	IVERY THAT RE	OURES A	4		
SERVICE		MAIL			NATURE CONFIR				
on to the surface but no more than beneath such tra- owner of minera and Sediment Co Secretary, which enable the surface	e tract to condo n forty-five da ct that has file als underlying ontrol Manual n statement sha ce owner to ob	de § 22-6A-10(a), Pruct any plat surveys are prior to such entred a declaration pursuant tract in the could and the statutes and all include contact introduced from the	required pursu- y to: (1) The su- uant to section nty tax records rules related to formation, inc	ant to this ar urface owner thirty-six, ar The notice o oil and gas	ticle. Such notice s r of such tract; (2) the rticle six, chapter two e shall include a state s exploration and pro-	hall be pro o any own wenty two itement that roduction r	ovided at least ser or lessee of of this code; are topies of the may be obtained	even days coal seams of (3) any state Erosion from the	
Notice is hereby	y provided to	:					canada como da esta como de est	Control States	
SURFACE	OWNER(s)			COAI	LOWNER OR LES	SSEE	e e e e e e e e e e e e e e e e e e e		
Name: Phillip D. Hig	gh			Name: Con	sol Energy Attn: Casey Sa	unders			
Address: 37 Aaron	nwoods Court			Address: 275 Technology Drive, Suite 101					
Wheeling, WV 26003				Canonsburg, F	PA 15317-9565		<del></del> i	•	
Name:				■ MINE	ERAL OWNER(s)		September 1997	Commence of the Commence of th	
Address.		<u></u>			en Sue Franklin Marshall		and the second		
Name:					1722 Rock Road				
Address:				Chambersburg	, PA 17202				
				*please attacl	hadditional forms if nec	essary	Name and the	Office and	
a plat survey on State: W County: M District: Lil	t Virginia Coo	de § 22-6A-10(a), no nd as follows:	A Pu	pprox. Latitu ublic Road A atershed:	ude & Longitude:	39.732795, -6	80.583668	to conduct	
may be obtained Charleston, WV	from the Section 25304 (304-5) the Secretary by by given by:	ON COMPANY, LLC	epartment of Ends of Such documents of Such documents over the such documents of the suc	nvironmenta ents or additi	l Protection headquonal information re	elated to he	ated at 601 57	Street, SE,	
04 10 B	N.T.					ļ		**************************************	

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4705102462

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

Notice Time Re	equirement: Notice shall be pro	rided at least SEVEN (7) days but no more than FOR1 1-F14E (45) days prior to	
	5/18/2022 Date of Pla	nned Entry: 5/25/2022	
Delivery metho	od pursuant to West Virginia (	ode § 22-6A-10a	
☐ PERSONA	AL REGISTERED	☐ METHOD OF DELIVERY THAT REQUIRES A	
SERVICE	MAIL	RECEIPT OR SIGNATURE CONFIRMATION	
on to the surface but no more that beneath such tra owner of miners and Sediment C Secretary, which	e tract to conduct any plat survey in forty-five days prior to such er act that has filed a declaration pu als underlying such tract in the control Manual and the statutes a	Prior to filing a permit application, the operator shall provide notice of planned entry is required pursuant to this article. Such notice shall be provided at least seven days try to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams suant to section thirty-six, article six, chapter twenty-two of this code; and (3) any ounty tax records. The notice shall include a statement that copies of the state Erosical rules related to oil and gas exploration and production may be obtained from the information, including the address for a web page on the Secretary's web site, to me secretary.	on
Notice is hereb	y provided to:	The second secon	
☐ SURFACE	OWNER(s)	COAL OWNER OR LESSEE	
Name:		Name:	
Address:			
Name:			
Address:		LEI MINERAL OWNER(s)	
		nor and the contract of the co	
Name:		Address: 43 Ridgeway Drive	
Address:		Mechanicburg, PA 17050	
<u> </u>		*please attach additional forms if necessary	
	by given: st Virginia Code § 22-6A-10(a), the tract of land as follows:	notice is hereby given that the undersigned well operator is planning entry to conduc	ct
•	Vest Virginia	Approx. Latitude & Longitude: 39.732795, -80.583668	
County:	Marshall	Public Road Access: Amos Hollow Road	
District:	iberty	Watershed: West Virginia Fork Fish Creek	
Quadrangle: L		Generally used farm name: Yocum	
may be obtained Charleston, WV	d from the Secretary, at the WV 25304 (304-926-0450). Copie	l Manual and the statutes and rules related to oil and gas exploration and production Department of Environmental Protection headquarters, located at 601 57 Street, SE of such documents or additional information related to horizontal drilling may be to we gov/oil-and-gas/pages/default aspx.	<b>1</b> Ì,
Notice is here	hy given hy		
Well Operator:	SWN PRODUCTION COMPANY, LLC	Address: 1300 Fort Pierpont Dr., Suite 201	
Telephone:	304-884-1610	Morgantown, WV 26508	
Email:		Facsimile:	<del></del>
willall.	brittany_woody@swn.com	L additine.	
Oil and Gas F	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 days gov.

WW-6A3 (1/12)

4705102462

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

		uirement:	Notice shall be prov	ided at least SEV	/EN (7) da	ys but no more than	FORTY-FIVE (45)	lays prior to
entry Date	of Notice: _5	118/2022	Date of Plar	ned Entry: 5/25/	2022			
Deliv	very method	pursuant t	to West Virginia Co	ode § 22-6A-10a				
П	PERSONAL		REGISTERED			IVERY THAT REC		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	SERVICE	-	MAIL	RECEIP	T OR SIGN	ATURE CONFIRM	MATION	
on to but n bene owne and S	o the surface to no more than eath such trace er of minerals Sediment Cor etary, which	tract to cond forty-five do that has file underlying trol Manual statement sl	duct any plat surveys ays prior to such ent led a declaration pur such tract in the co	ry to: (1) The su- suant to section t unty tax records. d rules related to information, incl-	nt to this and react owner the hirty-six, and react of the notice oil and react of the holice oil and react of the holice of the	of such tract; (2) to ticle six, chapter tw e shall include a state exploration and pro-	shall provide notice of nall be provided at lea o any owner or lessee venty-two of this code tement that copies of to oduction may be obta- ge on the Secretary's s	of coal seams; and (3) any he state Erosion and from the
Noti	ce is hereby	provided t	ő:			And the state of t		
	SURFACE (	OWNER(s)			☐ COA	LOWNER OR LES	SSEE	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
				_				100
	ress:				Address:			Company of the Compan
Add	ress:			- 	Name: Thi	ERAL OWNER(s) ae Rivers Royalty II, LLC 9055 E. Mineral Cirvle, Suit	e 101	
					Centennial, C	O 80112		
			A CONTRACTOR OF THE CONTRACTOR	_	*please attac	h additional forms if nec	essary	7.00 mm m m m m m m m m m m m m m m m m m
Purs a pla State Cour Dist	nt survey on t e: We nty: Ma rict: Lib	Virginia Co	ode § 22-6A-10(a), r and as follows:	Aj	pprox. Lati ablic Road atershed:	ude & Longitude:	operator is planning e 39.732795, -80.583668 Amos,Hollow Road West Virginia Fork Fish Cree Yocum	
may Cha obta	be obtained	from the Se 25304 (304 e Secretary	ecretary, at the WV I 1-926-0450). Copies by visiting www.de	pepartment of Er of such docume	ents or addi	ional information re	l and gas exploration parters, located at 601 elated to horizontal dr	2.1 Det 0003 10-1
			TION COMPANY, LLC		Address:	1300 Fort Pierpont Dr., S	Suite 201	A Marine September 1
Tele	ephone:	304-884-1610				Morgantown, WV 26508		
Ema	ail:	brittany_woody	@swn.com		Facsimile:			Name of the control o
O:I	and Can D	mingan Blas	tiaa:					Part of the state

Oil and Gas Privacy Notice:

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WW-6A4 (1/12)

4705102462

# 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.

Date of Notic			d at least TEN (10) days prior to filing a Permit Application Filed:	Communication.
Delivery met	hod pursuant t	o West Virginia Code	§ 22-6A-16(b)	
☐ HAND		CERTIFIED MAIL		
			4.444.64.64.64	
DELIVE	RY	RETURN RECEIPT R	REQUESTED	
receipt reques drilling a hori of this subsec subsection ma and if availab	ted or hand delicated or hand delicated the zontal well: Protion as of the day be waived in the facsimile nur	very, give the surface of covided. That notice give the notice was provi writing by the surface of	owner notice of its intent to enter upon the ven pursuant to subsection (a), section to ded to the surface owner: <i>Provided, how owner</i> . The notice, if required, shall included address of the operator and the operator	, an operator shall, by certified mail return the 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, or's authorized representative.
	el D. Yocum	to the SURFACE (	Name:	
Address: 2001 4th Street		75.44.40.00	Address:	
The state of the s	dsville, WV 26041			
Pursuant to Withe surface ov			ce is hereby given that the undersigned horizontal well on the tract of land as fo	well operator has an intent to enter upon
Pursuant to W the surface ov State: County:	Vest Virginia Co vner's land for the West Virginia Marshall		horizontal well on the tract of land as for UTM NAD 83 Easting: Northing:	bllows: 535,664.46 4,398,191.54
Pursuant to Withe surface ov State: County: District:	Vest Virginia Co vner's land for the West Virginia Marshall Liberty		horizontal well on the tract of land as for UTM NAD 83 Easting: Northing: Public Road Access:	bllows: 535,664.46 4,398,191.54 Amos Hollow Rd.
Pursuant to W the surface ov State: County:	Vest Virginia Co vner's land for the West Virginia Marshall		horizontal well on the tract of land as for UTM NAD 83 Easting: Northing:	bllows: 535,664.46 4,398,191.54
Pursuant to Whe surface over the surface	Vest Virginia Cover's land for the West Virginia Marshall Liberty Littleton, WV Upper Ohio South  Shall Include Vest Virginia Couber and electrosizontal drilling	the purpose of drilling a tode § 22-6A-16(b), the code so de today be obtained from	horizontal well on the tract of land as for Easting:  UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name:  his notice shall include the name, address operator and the operator's authorize the Secretary, at the WV Department of	bllows: 535,664.46 4,398,191.54 Amos Hollow Rd.
Pursuant to We the surface over State: County: District: Quadrangle: Watershed:  This Notice Pursuant to We are a surfaced to hor ocated at 601  Notice is her	Vest Virginia Covner's land for the West Virginia Marshall Liberty Littleton, WV Upper Ohio South  Shall Include West Virginia Couber and electronic izontal drilling in 57th Street, SE, reby given by:	the purpose of drilling a code § 22-6A-16(b), the pric mail address of the may be obtained from Charleston, WV 2530	horizontal well on the tract of land as for Easting:  UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name:  nis notice shall include the name, addrate operator and the operator's authorize the Secretary, at the WV Department of 4 (304-926-0450) or by visiting www.de	ollows: 535,664.46 4,398,191.54 Amos Hollow Rd. Yocum MSH  ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx.
Pursuant to We he surface over State: County: District: Quadrangle: Watershed:  This Notice Pursuant to Versuant to Versuant to Notice at 601  Notice is here Well Operator	Vest Virginia Covner's land for the West Virginia Marshall Liberty Littleton, WV Upper Ohio South  Shall Include Vest Virginia Couber and electrosizontal drilling to 57th Street, SE, reby given by:	the purpose of drilling a code § 22-6A-16(b), the conic mail address of the may be obtained from Charleston, WV 2530	horizontal well on the tract of land as for Easting:  UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name:  his notice shall include the name, addrese operator and the operator's authorized the Secretary, at the WV Department of 4 (304-926-0450) or by visiting www.define Authorized Representative:	ollows: 535,664.46 4,398,191.54 Amos Hollow Rd. Yocum MSH  ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx.
Pursuant to We he surface over State: County: District: Quadrangle: Watershed:  This Notice Pursuant to Versuant to Versuant to Notice at 601  Notice is here Well Operator	Vest Virginia Covner's land for the West Virginia Marshall Liberty Littleton, WV Upper Ohio South  Shall Include Vest Virginia Couber and electronizontal drilling in 57th Street, SE, reby given by:  SWN Production 1300 Fort Pierpo	the purpose of drilling a code § 22-6A-16(b), the pric mail address of the may be obtained from Charleston, WV 2530 cont Drive, Suite 201	horizontal well on the tract of land as for Easting:  UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name:  nis notice shall include the name, addrate operator and the operator's authorize the Secretary, at the WV Department of 4 (304-926-0450) or by visiting www.de	ollows: 535,664.46 4,398,191.54 Amos Hollow Rd. Yocum MSH  ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx.  Justin Booth 1300 Fort Pierpont Drive, Suite 201
Pursuant to We the surface over the surf	Vest Virginia Covner's land for the West Virginia Marshall Liberty Littleton, WV Upper Ohio South  Shall Include Vest Virginia Couber and electrosizontal drilling to 57th Street, SE, reby given by:	the purpose of drilling a code § 22-6A-16(b), the pric mail address of the may be obtained from Charleston, WV 2530 cont Drive, Suite 201	horizontal well on the tract of land as for Easting: Northing: Public Road Access: Generally used farm name:  his notice shall include the name, address authorized the Secretary, at the WV Department of 4 (304-926-0450) or by visiting www.define Authorized Representative: Address:	ollows: 535,664.46 4,398,191.54 Amos Hollow Rd. Yocum MSH  ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep.,wv.gov/oil-and-gas/pages/default.aspx.  Justin Booth
Pursuant to We the surface over State: County: District: Quadrangle: Watershed:  This Notice Pursuant to Versuant to Notice at 601  Notice is here well Operator Address:  Felephone:	Vest Virginia Covner's land for the West Virginia Marshall Liberty Littleton, WV Upper Ohio South  Shall Include Vest Virginia Couber and electronizontal drilling in 57th Street, SE, reby given by:  SWN Production 1300 Fort Pierpo	the purpose of drilling a code § 22-6A-16(b), the pric mail address of the may be obtained from Charleston, WV 2530 cont Drive, Suite 201	horizontal well on the tract of land as for Easting:  UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name:  nis notice shall include the name, addrese operator and the operator's authorized the Secretary, at the WV Department of 4 (304-926-0450) or by visiting www.de  Authorized Representative: Address:  Telephone:	ollows: 535,664.46 4,398,191.54 Amos Hollow Rd. Yocum MSH  ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx.  Justin Booth 1300 Fort Pierpont Drive, Suite 201
Pursuant to We the surface over the surf	Vest Virginia Covner's land for the West Virginia Marshall Liberty Littleton, WV Upper Ohio South  Shall Include Vest Virginia Couber and electronic izontal drilling is 57th Street, SE,  reby given by:  SWN Production 1300 Fort Pierper Morgantown, WV	the purpose of drilling a code § 22-6A-16(b), the pric mail address of the may be obtained from Charleston, WV 2530 control Drive, Suite 201 / 26508	horizontal well on the tract of land as for Easting: Northing: Public Road Access: Generally used farm name:  his notice shall include the name, address authorized the Secretary, at the WV Department of 4 (304-926-0450) or by visiting www.define Authorized Representative: Address:	ollows: 535,664.46 4,398,191.54 Amos Hollow Rd. Yocum MSH  ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx.  Justin Booth 1300 Fort Pierpont Drive, Suite 201 Morgantown, WV 26508

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WW-6A4 (1/12)

4705102462

# 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.

Date of Notic		at least TEN (10) days prior to filing a ermit Application Filed:	permit application.
Delivery metl	nod pursuant to West Virginia Code §	§ 22-6A-16(b)	
☐ HAND	■ CERTIFIED MAIL		
DELIVE		EQUESTED	
receipt reques drilling a hori: of this subsect subsection ma and if availabl	ted or hand delivery, give the surface or zontal well: <i>Provided</i> , That notice give ion as of the date the notice was provid by be waived in writing by the surface or	wner notice of its intent to enter upon the pursuant to subsection (a), section telled to the surface owner: <i>Provided, how</i> wner. The notice, if required, shall included address of the operator and the operator	an operator shall, by certified mail return ne surface owner's land for the purpose of en of this article satisfies the requirements evever. That the notice requirements of this ude the name, address, telephone number, or's authorized representative.
	L. Yocum	Name:	
Address: 230 C	urtis Avenue	Address:	
Mound	sville, WV 26041		
State: County:	West Virginia Marshall	horizontal well on the tract of land as fo  Easting: Northing:	535,664.46 4,398,191.54
	Liberty	Public Road Access:	Amos Hollow Rd.
District: Quadrangle:	Littleton, WV	Public Road Access: Generally used farm name:	
Quadrangle: Watershed: This Notice: Pursuant to W facsimile num related to hori	Littleton, WV Upper Ohio South  Shall Include:  /est Virginia Code § 22-6A-16(b), this ber and electronic mail address of the zontal drilling may be obtained from the state of the state o	Generally used farm name:  is notice shall include the name, addre operator and the operator's authorize the Secretary, at the WV Department o	Amos Hollow Rd.
Quadrangle: Watershed: This Notice: Pursuant to W facsimile num related to hori located at 601 Notice is her	Littleton, WV Upper Ohio South  Shall Include:  /est Virginia Code § 22-6A-16(b), this ber and electronic mail address of the zontal drilling may be obtained from the 57th Street, SE, Charleston, WV 25304 reby given by:	Generally used farm name:  is notice shall include the name, addre operator and the operator's authorize the Secretary, at the WV Department of (304-926-0450) or by visiting www.de	Amos Hollow Rd. Yocum MSH  ress, telephone number, and if available, ed representative. Additional information f Environmental Protection headquarters,
Quadrangle: Watershed: This Notice Pursuant to W facsimile num related to hori located at 601 Notice is her Well Operator	Littleton, WV Upper Ohio South  Shall Include: /est Virginia Code § 22-6A-16(b), this ber and electronic mail address of the zontal drilling may be obtained from to 57th Street, SE, Charleston, WV 25304	Generally used farm name:  is notice shall include the name, address operator and the operator's authorize he Secretary, at the WV Department of (304-926-0450) or by visiting www.de	Amos Hollow Rd. Yocum MSH  ress, telephone number, and if available, ed representative. Additional information f Environmental Protection headquarters,
Quadrangle: Watershed: This Notice: Pursuant to W facsimile num related to hori located at 601 Notice is her	Littleton, WV Upper Ohio South  Shall Include:  /est Virginia Code § 22-6A-16(b), this ber and electronic mail address of the zontal drilling may be obtained from the 57th Street, SE, Charleston, WV 25304 reby given by:	Generally used farm name:  is notice shall include the name, addre operator and the operator's authorize the Secretary, at the WV Department of (304-926-0450) or by visiting www.de	Amos Hollow Rd. Yocum MSH  ress, telephone number, and if available, and representative. Additional information of Environmental Protection headquarters, ap.wv.gov/oil-and-gas/pages/default.aspx.
Quadrangle: Watershed: This Notice Pursuant to W facsimile num related to hori located at 601 Notice is her Well Operator Address:	Littleton, WV Upper Ohio South  Shall Include:  /est Virginia Code § 22-6A-16(b), this ber and electronic mail address of the zontal drilling may be obtained from to 57th Street, SE, Charleston, WV 25304  reby given by:  SWN Production Company, LLC	Generally used farm name:  is notice shall include the name, address:  Generally used farm name:  address:  Generally used farm name:  address:	Amos Hollow Rd. Yocum MSH  ress, telephone number, and if available, ed representative. Additional information f Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx.  Justin Booth
Quadrangle: Watershed: This Notice Pursuant to W facsimile num related to hori located at 601 Notice is her Well Operator	Littleton, WV Upper Ohio South  Shall Include:  /est Virginia Code § 22-6A-16(b), this ber and electronic mail address of the zontal drilling may be obtained from to 57th Street, SE, Charleston, WV 25304  reby given by:  SWN Production Company, LLC 1300 Fort Pierpont Drive, Suite 201	Generally used farm name:  is notice shall include the name, address operator and the operator's authorize he Secretary, at the WV Department of (304-926-0450) or by visiting www.de	Amos Hollow Rd.  Yocum MSH  ess, telephone number, and if available, ed representative. Additional information f Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx.  Justin Booth  1300 Fort Pierpont Drive, Suite 201

### Oil and Gas Privacy Notice:

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

WW-6A4 (1/12)

4705102462

# 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.

Delivery method pursuant to West Virginia Code § 22-6A-16(b)  HAND DELIVERY RETURN RECEIPT REQUESTED  Pursuant to W. Va. Code § 22-6A-16(b), at least ten days prior to filing a permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner is land for the purpose of drilling a horizontal well: Provided, That notice given pursuant to subsection (a), section ten of this article satisfies the requirements of this subsection as of the date the notice was provided to the surface owner: Provided, however. That the notice requirements of this subsection may be waived in writing by the surface owner. The notice, if required, shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative.  Notice is hereby provided to the SURFACE OWNER(s):  Name: Summ and Frank Sipselich Address: State:  Olion Dale, WV 26983  Notice is hereby given:  Pursuant to West Virginia Code § 22-6A-16(b), notice is hereby given that the undersigned well operator has an intent to enter upon the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:  State:  Vest Virginia Code § 22-6A-16(b), motice is hereby given that the undersigned well operator has an intent to enter upon the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:  State:  UTM NAD 83 Northing:  State:  Under Nad 83 Northing:  Justin Booth Address:  Justin Booth Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.  Notice is hereby given by:  Well Operator:  Well Operator:  Well Operator:  Well Operator:  Well Operator:  Word Production Company, LLC Address:  Italia:  Justin Booth Morgantown, WV 2	Notice Time Date of Notic			at least TEN (10) days prior to filing a ermit Application Filed:	permit application.
Pursuant to W. Va. Code § 22-6A-16(b), at least ten days prior to filing a permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner notice of its intent to enter upon the surface owner's land for the purpose of drilling a horizontal well: *Provided**. That notice given pursuant to subsection (a), section ten of this article satisfies the requirements of this subsection as of the date the notice was provided to the surface owner. *Provided**. *Nowever**. That the notice requirements of this subsection may be waived in writing by the surface owner. *Ne notice, if required, shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative.  *Notice is hereby provided to the SURFACE OWNER(s):  Name:	Delivery met	hod pursuant to	West Virginia Code §	22-6A-16(b)	
Pursuant to W. Va. Code § 22-6A-16(b), at least ten days prior to filing a permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner notice of its intent to enter upon the surface owner's land for the purpose of drilling a horizontal well: *Provided**. That notice given pursuant to subsection (a), section ten of this article satisfies the requirements of this subsection as of the date the notice was provided to the surface owner. *Provided**. *Nowever**. That the notice requirements of this subsection may be waived in writing by the surface owner. *Ne notice, if required, shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative.  *Notice is hereby provided to the SURFACE OWNER(s):  Name:	☐ HAND		CERTIFIED MAIL		
receipt requested or hand delivery, give the surface owner notice of its intent to enter upon the surface owner's land for the purpose of drilling a horizontal well: Provided, That notice given pursuant to subsection (a), section ten of this article satisfies the requirements of this subsection as of the date the notice was provided to the surface owner: Provided, however, That the notice requirements of this subsection may be waived in writing by the surface owner. The notice, if required, shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative.  Notice is hereby provided to the SURFACE OWNER(s):  Name:  Address:  Sussan and Frank Slipselich  Address:  Glen Dale, WV 25083  Notice is hereby given:  Pursuant to West Virginia Code § 22-6A-16(b), notice is hereby given that the undersigned well operator has an intent to enter upon the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:  State:  West Virginia Code § 22-6A-16(b), notice is hereby given that the undersigned well operator has an intent to enter upon the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:  State:  West Virginia Code § 22-6A-16(b), this notice shall include the name, and is possible.  Quadrangle:  Liberly  Quadrangle:  Address:  Amos Hollow Rd.  Quadrangle:  Youm MSH  This Notice Shall Include:  Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th S				EQUESTED	
Name: Susan and Frank Silpetich Address: 310 and Street Glen Dale, WV 26083  Notice is hereby given:  Pursuant to West Virginia Code § 22-6A-16(b), notice is hereby given that the undersigned well operator has an intent to enter upon the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:  West Virginia Code § 22-6A-16(b), this notice shareby given that the undersigned well operator has an intent to enter upon the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:  State: West Virginia Code § 22-6A-16(b) this notice shall not have been supposed to the public Road Access: Northing: 4,398,191.54  Liberty Public Road Access: Amos Hollow Rd.  Quadrangle: Littleton, WV  Watershed: Upper Ohio South  This Notice Shall Include:  Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting <a href="https://www.ep.wv.gov/oil-and-gas/pages/default.aspx">www.ep.wv.gov/oil-and-gas/pages/default.aspx</a> .  Notice is hereby given by:  Well Operator: SWN Production Company, LLC  Address: SWN Production Company, LLC  Address: Justin Booth  Morgantown, WV 26508  Telephone: 304-884-1675  Email: Justin Booth@swn.com  Telephone: 304-884-1675  Email: Justin Booth@swn.com	receipt reques drilling a hori of this subsect subsection ma and if available	ted or hand deliving the control well: Properties as of the date of the waived in view facsimile numbers.	very, give the surface over the overline overline over the notice was provided writing by the surface over the and electronic mail	when notice of its intent to enter upon the pursuant to subsection (a), section to ed to the surface owner: <i>Provided, how</i> when. The notice, if required, shall include address of the operator and the operator	the surface owner's land for the purpose of en of this article satisfies the requirements wever. That the notice requirements of this ude the name, address, telephone number,
Address: 310 3rd Street Glen Dale, WV 26083  **Notice is hereby given:**  Pursuant to West Virginia Code § 22-6A-16(b), notice is hereby given that the undersigned well operator has an intent to enter upon the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:  State: West Virginia Washall UTM NAD 83 Easting: S35,684.46  County: Marshall UTM NAD 83 Northing: West District: Liberty Public Road Access: Amos Hollow Rd.  Quadrangle: Littleton, WV Generally used farm name: Yocum MSH  Watershed: Upper Ohio South  **This Notice Shall Include:**  Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting <a href="https://www.dep.ww.gov/oil-and-gas/pages/default.aspx">www.dep.ww.gov/oil-and-gas/pages/default.aspx</a> **Notice is hereby given by:  Well Operator: SWN Production Company, LLC Authorized Representative: Justin Booth  Address: 1300 Fort Pierpont Drive, Suite 201 Morgantown, WV 26508  Telephone: 304-884-1675  Email: Justin_Booth@swn.com  **Address: Justin_Booth@swn.com  **Add	Notice is nei	and Frank Stipetich	to the SURFACE O		
Notice is hereby given:  Pursuant to West Virginia Code § 22-6A-16(b), notice is hereby given that the undersigned well operator has an intent to enter upon the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:  State: West Virginia UTM NAD 83 Easting: 535,664.46  County: Marshall Uberty Public Road Access: Amos Hollow Rd.  Quadrangle: Littleton, WV  Watershed: Upper Ohio South  This Notice Shall Include:  Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57 th 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> .  Notice is hereby given by:  Well Operator: SWN Production Company, LLC Address: 1300 Fort Pierpont Drive, Suite 201  Morgantown, WV 26508  Telephone: 304-884-1675  Telephone: 304-884-1675  Justin Booth@swn.com  Notice is hereby given by: User Booth@swn.com  Telephone: 304-884-1675  Telephone: 304-884-1675  Telephone: 304-884-1675  Justin Booth@swn.com					
Pursuant to West Virginia Code § 22-6A-16(b), notice is hereby given that the undersigned well operator has an intent to enter upon the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:  State: West Virginia UTM NAD 83	a family of the property of the contract of	the second state of the se			
Quadrangle: Littleton, WV Watershed: Upper Ohio South  This Notice Shall Include: Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th 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> .  Notice is hereby given by:  Well Operator: Well Operator: SWN Production Company, LLC Address:  1300 Fort Pierpont Drive, Suite 201 Address: 1300 Fort Pierpont Drive, Suite 201 Morgantown, WV 26508  Telephone: 304-884-1675 Telephone: 504-884-1675 Justin_Booth@swn.com  Telephone: 505-801 Summand Su	State: County:	West Virginia Marshall	e purpose of drilling a r	UTM NAD 83 Easting: Northing:	535,664.46 4,398,191.54
Watershed: Upper Ohio South  This Notice Shall Include: Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th 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> Notice is hereby given by:  Well Operator: SWN Production Company, LLC Authorized Representative: Justin Booth Address: 1300 Fort Pierpont Drive, Suite 201 Morgantown, WV 26508  Telephone: 304-884-1675 Telephone: Justin_Booth@swn.com  Telephone: Justin_Booth@swn.com					
This Notice Shall Include:  Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57 <sup>th</sup> Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting <a href="https://www.dep.wv.gov/oil-and-gas/pages/default.aspx">www.dep.wv.gov/oil-and-gas/pages/default.aspx</a> .  Notice is hereby given by:  Well Operator:  SWN Production Company, LLC  Authorized Representative:  Justin Booth  Address:  1300 Fort Pierpont Drive, Suite 201  Morgantown, WV 26508  Telephone:  Morgantown, WV 26508  Telephone:  Justin_Booth@swn.com  Telephone:  Justin_Booth@swn.com				Generally used farm name:	YOCUM MSH
Well Operator: SWN Production Company, LLC Authorized Representative: Justin Booth  Address: 1300 Fort Pierpont Drive, Suite 201 Address: 1300 Fort Pierpont Drive, Suite 201  Morgantown, WV 26508 Morgantown, WV 26508  Telephone: 304-884-1675 Telephone: 304-884-1675  Email: Justin_Booth@swn.com Email: Justin_Booth@swn.com	Pursuant to V facsimile num related to hori	Vest Virginia Conber and electronized and electronized drilling m	nic mail address of the nay be obtained from the	operator and the operator's authorize ne Secretary, at the WV Department o	ed representative. Additional information f Environmental Protection headquarters,
Morgantown, WV 26508         Morgantown, WV 26508           Telephone:         304-884-1675         Telephone:         304-884-1675           Email:         Justin_Booth@swn.com         Email:         Justin_Booth@swn.com			Company, LLC	Authorized Representative:	Justin Booth
Telephone: 304-884-1675 Telephone: 304-884-1675 Email: Justin_Booth@swn.com Email: Justin_Booth@swn.com	Address:	1300 Fort Pierpor	nt Drive, Suite 201		The second secon
Email: Justin_Booth@swn.com Email: Justin_Booth@swn.com		Morgantown, WV	26508		Morgantown, WV 26508
	Telephone:	304-884-1675		Telephone:	304-884-1675
Facsimile: Facsimile:	Email:	Justin_Booth@sv	vn.com	Email:	Justin_Booth@swn.com
	Facsimile:			Facsimile:	

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WW-6A4 (1/12)

4705102462

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

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

Notice Time Date of Notic		shall be provided at lea	ast TEN (10) days prior to filing a	permit application.
			1.	
Delivery met	hod pursuant to Wes	st Virginia Code § 22-0	6A-16(b)	
☐ HAND	CERT	TIFIED MAIL		
DELIVE		JRN RECEIPT REQUI	ESTED	
receipt reques drilling a hori of this subsect subsection ma	ted or hand delivery, zontal well: <i>Provided</i> tion as of the date the ty be waived in writin	give the surface owner d. That notice given pu notice was provided to g by the surface owner.	notice of its intent to enter upon the rsuant to subsection (a), section to the surface owner: Provided, how	an operator shall, by certified mail return the 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, or's authorized representative.
		ie SURFACE OWN		
	D. High		Name:	
Address: 37 Aa			Address:	
Wheel	ing, WV 26003			
State: County: District:	West Virginia Marshall	pose of driffing a north	ontal well on the tract of land as for UTM NAD 83  Easting: Northing: Public Road Access:	535,664.46 4,398,191.54 Amos Hollow Rd.
Quadrangle:	Littleton, WV		Generally used farm name:	Yocum MSH
Watershed:	Upper Ohio South		Generally used farm hame.	Todain Wort
Pursuant to V facsimile num related to hor	ber and electronic mizontal drilling may b	nail address of the ope be obtained from the Se	rator and the operator's authorize ceretary, at the WV Department of	ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx.
Notice is her	reby given by: ": SWN Production Compa	any, LLC	Authorized Representative:	Justin Booth
Address:	1300 Fort Pierpont Drive		Address:	1300 Fort Pierpont Drive, Suite 201
	Morgantown, WV 26508			Morgantown, WV 26508
Telephone:	304-884-1675		Telephone:	304-884-1675
Email: Facsimile:	Justin_Booth@swn.com	1	Email: Facsimile:	Justin_Booth@swn.com

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WW-6A5 (1/12) Operator Well No. Yocum MSH 10H

# STATE OF WEST VIRGINIA 4705102462 DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF PLANNED OPERATION

Date of Noti	ce: 06/01/2022 Date Per		ll an
Delivery me	bod pursuant to West Virginia C	ode § 22-6A-16(c)	
■ CERTI	FIED MAIL	☐ HAND	
	RN RECEIPT REQUESTED	DELIVERY	
eturn receipt he planned of equired to be brilling of a lamages to the d) The notice of notice.	requested or hand delivery, give the operation. The notice required by a provided by subsection (b), section horizontal well; and (3) A propose surface affected by oil and gas of	the surface owner whose land we this subsection shall include: In ten of this article to a surface of surface use and compensation to the extent the damagiven to the surface owner at the surface own	permit application, an operator shall, by certified mail rill be used for the drilling of a horizontal well notice of (1) A copy of this code section; (2) The information cowner whose land will be used in conjunction with the on agreement containing an offer of compensation for ages are compensable under article six-b of this chapter, he address listed in the records of the sheriff at the time
	s listed in the records of the sheriff		
Vame: Micha	nel D. Yocum	Name:	
Name: Micha Address: 2001 Mound Notice is her Pursuant to W	el D. Yocum  4th Street dsville, WV 26041  eby given: /est Virginia Code § 22-6A-16(c), 1	Name:	undersigned well operator has developed a planned
Name: Micha Address: 2001 Mount Notice is her Pursuant to W pperation on state: County:	el D. Yocum  4th Street  sville, WV 26041  eby given:	Name:	
Name: Micha Address: 2001 Mount Notice is her Pursuant to W peration on State: County: District:	el D. Yocum  4th Street disville, WV 26041  eby given:  /est Virginia Code § 22-6A-16(c), the surface owner's land for the put  West Virginia	Name:	/ell on the tract of land as follows:  Easting: 535,664.46  Northing: 4,398,191,54  cess: Amos Hollow Rd.
Name: Micha Address: 2001 Mount Notice is her Pursuant to W operation on State: County: District: Quadrangle:	eby given:  /est Virginia Code § 22-6A-16(c), the surface owner's land for the puwershall	Name:	/ell on the tract of land as follows:  Easting: 535,664.46  Northing: 4,398,191,54  cess: Amos Hollow Rd.
Name: Micha Address: 2001 Mound Notice is her Pursuant to W operation on State: County: District: Quadrangle: Vatershed:	eby given: /est Virginia Code § 22-6A-16(c), ithe surface owner's land for the puwest Virginia Marshall Liberty Littleton, WV Upper Ohio South	Name:	/ell on the tract of land as follows:  Easting: 535,664.46  Northing: 4,398,191,54  cess: Amos Hollow Rd.
Name: Michael Address: 2001 Mount Notice is her Pursuant to Woperation on State: County: District: Quadrangle: Vatershed: This Notice Sursuant to Woo be provide orizontal we surface affects information r	eby given:  /est Virginia Code § 22-6A-16(c), of the surface owner's land for the pure west Virginia  Marshall Liberty Littleton, WV Upper Ohio South  Shall Include:  /est Virginia Code § 22-6A-16(c), of the burginia Code § 22-6A-10(b), of the bu	Name: Address:  notice is hereby given that the rpose of drilling a horizontal way.  UTM NAD 83  Public Road Ac Generally used  this notice shall include; (1)A to a surface owner whose la and compensation agreement of extent the damages are compensation the Secretary	rell on the tract of land as follows:  Easting: 535,664.46  Northing: 4,398,191,54  cess: Amos Hollow Rd.  Farm name: Yocum MSH  copy of this code section; (2) The information required and will be used in conjunction with the drilling of a containing an offer of compensation for damages to the pensable under article six-b of this chapter. Additionally, at the WV Department of Environmental Protection
Name: Micha Address: 2001 Mount Mount Mount to Woperation on state: County: District: Quadrangle: Vatershed:  This Notice Source affect or izontal we urface affect information readquarters,	eby given:  /est Virginia Code § 22-6A-16(c), the surface owner's land for the puwest Virginia  Marshall Liberty Littleton, WV Upper Ohio South  Shall Include:  /est Virginia Code § 22-6A-16(c), the surface owner's land for the puwest Virginia  Marshall Liberty Littleton, WV Upper Ohio South  Shall Include:  /est Virginia Code § 22-6A-16(c), the puwest Virginia Co	Name: Address: Address:  notice is hereby given that the repose of drilling a horizontal way.  UTM NAD 83  Public Road Actor Generally used this notice shall include: (1)A to a surface owner whose lates and compensation agreement of extent the damages are compensation the Secretary Charleston, WV 25304 (30)	rell on the tract of land as follows:  Easting: 535,664,46  Northing: 4,398,191,54  cess: Amos Hollow Rd.  Farm name: Yooum MSH
Notice is her Pursuant to We peration on State: County: District: Quadrangle: Vatershed: Chis Notice States are provided or izontal we conformation readquarters, as/pages/def	eby given:  /est Virginia Code § 22-6A-16(c), the surface owner's land for the puwest Virginia  Marshall Liberty Littleton, WV Upper Ohio South  Shall Include:  /est Virginia Code § 22-6A-16(c), the surface owner's land for the puwest Virginia  Marshall Liberty Littleton, WV Upper Ohio South  Shall Include:  /est Virginia Code § 22-6A-16(c), the puwest Virginia Co	Name: Address: Address:  notice is hereby given that the roose of drilling a horizontal way.  UTM NAD 83  Public Road Actor Generally used this notice shall include; (1)A to a surface owner whose later and compensation agreement of extent the damages are compensation the Secretary Charleston, WV 25304 (30)  Address: 13	rell on the tract of land as follows:  Easting: 535,664,46  Northing: 4,398,191,54  cess: Amos Hollow Rd.  Farm name: Yooum MSH  copy of this code section; (2) The information required and will be used in conjunction with the drilling of a containing an offer of compensation for damages to the pensable under article six-b of this chapter. Additional 4, at the WV Department of Environmental Protection (4-926-0450) or by visiting www.dep.wv.gov/oil-and-

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WW-6A5 (1/12)

# STATE OF WEST VIRGINIA 47 0 5 1 0 2 4 6 2 DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF PLANNED OPERATION

Notice Time Date of Noti	Requirement: notice shall be provided ce: 06/01/2022 Date Permit	no later than the filing Application Filed:	date of permit	application.
Delivery me	thod pursuant to West Virginia Code	§ 22-6A-16(c)		
■ CERTI	FIED MAIL	] HAND		
	RN RECEIPT REQUESTED	DELIVERY		
return receipt the planned or required to be drilling of a damages to the	requested or hand delivery, give the sur- operation. The notice required by this e provided by subsection (b), section ten horizontal well; and (3) A proposed su- ne surface affected by oil and gas operation	rface owner whose land subsection shall inclute of this article to a surfurface use and compen- tions to the extent the data	I will be used for de: (1) A copy ace owner whose sation agreement amages are com	cation, an operator shall, by certified mail or the drilling of a horizontal well notice of of this code section; (2) The information se land will be used in conjunction with the at containing an offer of compensation for pensable under article six-b of this chapter, sted in the records of the sheriff at the time
(at the addres	eby provided to the SURFACE OWN is listed in the records of the sheriff at the	e time of notice):		
	oh L. Yocum	Name:		
Address: 230	dsville, WV 26041	Addres	3;	
	Vest Virginia Code § 22-6A-16(c), notice the surface owner's land for the purpose West Virginia  Marshall		I well on the tra	
District:	Liberty	Public Road	Access:	Amos Hollow Rd.
Quadrangle:	Littleton, WV	Generally us	ed farm name:	Yocum MSH
Watershed:	Upper Ohio South			
Pursuant to V to be provide horizontal we surface affect information r	ed by W. Va. Code § 22-6A-10(b) to a cell; and (3) A proposed surface use and cell the deal of the deal of the center of the extra cell the deal of the center of the cent	a surface owner whose compensation agreeme ent the damages are contained from the Secret	land will be under containing are compensable under ary, at the WV	code section; (2) The information required used in conjunction with the drilling of a offer of compensation for damages to the ler article six-b of this chapter. Additional Department of Environmental Protection or by visiting <a href="https://www.dep.wv.gov/oil-and-drilling-number-12">www.dep.wv.gov/oil-and-drilling-number-12</a>
Well Operato	F: SWN Production Company, LLC	Address:	1300 Fort Pierpont I	Drive, Suite 201
Telephone:	304-884-1675		Morgantown, WV 26	3508
Email:	Justin_Booth@swn.com	Facsimile:	304-884-1675	
omun.	Justin_Bootn@swn.com	i acsimile.	304-884-1675	

### Oil and Gas Privacy Notice:

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

Operator Well No. Yocum MSH 10H

4705102462

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

Date of Noti	Requirement: notice shall bece: 06/01/2022 Da	e provided no later than te Permit Application		date of permit	application.
Delivery me	thod pursuant to West Virg	inia Code § 22-6A-16(c	:)		
■ CERTI	FIED MAIL	☐ HAND			
	RN RECEIPT REQUESTED		RY		
return receipt the planned of required to be drilling of a damages to th (d) The notice of notice.	requested or hand delivery, per peration. The notice require provided by subsection (b), horizontal well; and (3) A pre surface affected by oil and	give the surface owner we'd by this subsection so section ten of this article roposed surface use and gas operations to the extended be given to the surface.  CE OWNER(s)	whose land hall inclu- e to a surf I compens tent the da ce owner a	I will be used for de: (1) A copy face owner whose sation agreement amages are comp	cation, an operator shall, by certified mail or the drilling of a horizontal well notice of of this code section; (2) The information se land will be used in conjunction with the at containing an offer of compensation for pensable under article six-b of this chapter, sted in the records of the sheriff at the time
	s listed in the records of the s and Frank Stipetich	heriff at the time of noti	Name:		
Address: 310			Address	S:	
The second secon	Dale, WV 26083		05,020,20		
Pursuant to Woperation on State: County: District:	Vest Virginia Code § 22-6A-1 the surface owner's land for West Virginia Marshall Liberty	the purpose of drilling a UT	horizonta M NAD 8 blic Road	Il well on the tra Easting: Northing: Access:	well operator has developed a planned act of land as follows:  535,664.46  4,398,191.54  Amos Hollow Rd.
operation on State: County: District: Quadrangle:	Vest Virginia Code § 22-6A-1 the surface owner's land for West Virginia Marshall	the purpose of drilling a UT	horizonta M NAD 8 blic Road	Il well on the tra Easting: Northing:	ct of land as follows: 535,664.46 4,398,191.54 Amos Hollow Rd.
Pursuant to Woperation on State: County: District: Quadrangle: Watershed: This Notice Sursuant to Woperation of the provide horizontal we surface affect information rheadquarters,	Vest Virginia Code § 22-6A-1 the surface owner's land for West Virginia Marshall Liberty Littleton, WV Upper Ohio South  Shall Include: Vest Virginia Code § 22-6A-2d by W. Va. Code § 22-6A-2d by W. Va. Code § 22-6A-2d by oil and gas operations elated to horizontal drilling located at 601 57th Street,	the purpose of drilling a  UT  Pub  Ger  16(c), this notice shall in 1-10(b) to a surface own the use and compensation to the extent the dama may be obtained from the control of the cont	M NAD 8  plic Road anerally use  nelude: (1) ner whose n agreeme neges are counted the Secret	Easting: Northing: Access: ed farm name:  A copy of this e land will be unt containing anompensable und	ct of land as follows: 535,664.46 4,398,191.54 Amos Hollow Rd.
Pursuant to Woperation on State: County: District: Quadrangle: Watershed: This Notice Surface affect information rheadquarters, gas/pages/def	Vest Virginia Code § 22-6A-1 the surface owner's land for West Virginia Marshall Liberty Littleton, WV Upper Ohio South  Shall Include: Vest Virginia Code § 22-6A- ed by W. Va. Code § 22-6A- ed; and (3) A proposed surface ted by oil and gas operations elated to horizontal drilling located at 601 57th Street, ault.aspx.	the purpose of drilling a  UTI Pub Ger  16(c), this notice shall in 1-10(b) to a surface own the use and compensation to the extent the dama may be obtained from to SE, Charleston, WV	horizonta M NAD 8 blic Road a nerally use nelude: (1) ner whose n agreeme ges are co the Secret 25304	Easting: Northing: Northing: Access: ed farm name:  A copy of this e land will be unt containing an ompensable und tary, at the WV (304-926-0450)	code section; (2) The information required used in conjunction with the drilling of a noffer of compensation for damages to the ler article six-b of this chapter. Additional Department of Environmental Protection or by visiting www.dep.wv.gov/oil-and-
Pursuant to Woperation on State: County: District: Quadrangle: Watershed:  This Notice Sursuant to Woto be provide horizontal we surface affect information rheadquarters, gas/pages/def	Vest Virginia Code § 22-6A-1 the surface owner's land for West Virginia Marshall Liberty Littleton, WV Upper Ohio South  Shall Include: Vest Virginia Code § 22-6A-2d by W. Va. Code § 22-6A-2d by W. Va. Code § 22-6A-2d by oil and gas operations elated to horizontal drilling located at 601 57th Street, ault.aspx.  SWN Production Company, LLC	the purpose of drilling a  UTI Pub Ger  16(c), this notice shall in 1-10(b) to a surface own the use and compensation to the extent the dama may be obtained from to SE, Charleston, WV	M NAD 8  plic Road anerally use  nelude: (1) ner whose n agreeme neges are counted the Secret	Easting: Northing: Northing: Access: ed farm name:  A copy of this e land will be unt containing an ompensable und tary, at the WV (304-926-0450)	code section; (2) The information required used in conjunction with the drilling of a offer of compensation for damages to the ler article six-b of this chapter. Additional Department of Environmental Protection or by visiting <a href="https://www.dep.wv.gov/oil-and-prive">www.dep.wv.gov/oil-and-prive</a> , Suite 201
Pursuant to Woperation on State: County: District: Quadrangle: Watershed: This Notice S Pursuant to Wood to be provide horizontal we surface affect information r	Vest Virginia Code § 22-6A-1 the surface owner's land for West Virginia Marshall Liberty Littleton, WV Upper Ohio South  Shall Include: Vest Virginia Code § 22-6A- ed by W. Va. Code § 22-6A- ed; and (3) A proposed surface ted by oil and gas operations elated to horizontal drilling located at 601 57th Street, ault.aspx.	the purpose of drilling a  UT  Pub  Ger  16(c), this notice shall in  1-10(b) to a surface own the use and compensation to the extent the dama, may be obtained from the SE, Charleston, WV	horizonta M NAD 8 blic Road a nerally use nelude: (1) ner whose n agreeme ges are co the Secret 25304	Easting: Northing: Northing: Access: ed farm name:  A copy of this e land will be unt containing an ompensable und tary, at the WV (304-926-0450)  1300 Fort Pierpont I Morgantown, WV 26	act of land as follows:  535,664.46  4,398,191.54  Amos Hollow Rd.  Yocum MSH  code section; (2) The information required used in conjunction with the drilling of a noffer of compensation for damages to the ler article six-b of this chapter. Additional Department of Environmental Protection or by visiting <a href="https://www.dep.wv.gov/oil-and-prive">www.dep.wv.gov/oil-and-prive</a> , Suite 201

Oil and Gas Privacy Notice:

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WW-6A5 (1/12)

# STATE OF WEST VIRGINIA 4705102462 DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF PLANNED OPERATION

Date of Not	e Requirement: notice shall be provide ice: 06/01/2022 Date Perm	ed no later than the filing date of perm it Application Filed:	it application.
Delivery me	ethod pursuant to West Virginia Cod	le § 22-6A-16(c)	
■ CERT	IFIED MAIL	☐ HAND	
	IRN RECEIPT REQUESTED	DELIVERY	
Pursuant to return receipthe planned required to be drilling of a damages to to (d) The notice of notice.  Notice is he (at the address: 37/Whe	W. Va. Code § 22-6A-16(c), no later of requested or hand delivery, give the stoperation. The notice required by the provided by subsection (b), section to horizontal well; and (3) A proposed stope surface affected by oil and gas operiors required by this section shall be given by provided to the SURFACE OW as listed in the records of the sheriff at the p.D. High  Alexandrous Court seeling, WV 26003  Teby given:  West Virginia Code § 22-6A-16(c), not	surface owner whose land will be used its subsection shall include: (1) A copen of this article to a surface owner whose surface use and compensation agreemations to the extent the damages are coven to the surface owner at the address.  [NER(s)]  The time of notice):  Name:  Address:  Address:	dication, an operator shall, by certified mail for the drilling of a horizontal well notice of y of this code section; (2) The information ose land will be used in conjunction with the ent containing an offer of compensation for impensable under article six-b of this chapter. listed in the records of the sheriff at the time
operation or State:	the surface owner's land for the purpo		
Diace.	West Virginia	Eaching.	5.33 664 46
	West Virginia Marshall	UTM NAD 83 Easting: Northing	535,664.46 : 4,398,191.54
County:		UTM NAD 83 Public Road Access:	
County: District:	Marshall Liberty	UTM NAD 83 Northing	4,398,191.54 Amos Hollow Rd.
County: District: Quadrangle: Watershed:	Marshall Liberty	Public Road Access:	4,398,191.54 Amos Hollow Rd.
County: District: Quadrangle: Watershed: This Notice Pursuant to value to be provide horizontal wasurface affectinformation headquarters	Marshall Liberty Littleton, WV Upper Ohio South  Shall Include: West Virginia Code § 22-6A-16(c), this led by W. Va. Code § 22-6A-10(b) to ell; and (3) A proposed surface use and eted by oil and gas operations to the erelated to horizontal drilling may be oil, located at 601 57th Street, SE, Commonwealth Control of the	Public Road Access:  Generally used farm name:  s notice shall include: (1)A copy of this a surface owner whose land will be d compensation agreement containing extent the damages are compensable unobtained from the Secretary, at the W	4,398,191.54 Amos Hollow Rd.
County: District: Quadrangle: Watershed: This Notice Pursuant to be provid horizontal w surface affect information headquarters gas/pages/de	Marshall Liberty Littleton, WV Upper Ohio South  Shall Include: West Virginia Code § 22-6A-16(c), this led by W. Va. Code § 22-6A-10(b) to ell; and (3) A proposed surface use and eted by oil and gas operations to the e related to horizontal drilling may be of the located at 601 57th Street, SE, Confault.aspx.	Public Road Access:  Generally used farm name:  s notice shall include: (1)A copy of this a surface owner whose land will be d compensation agreement containing extent the damages are compensable upobtained from the Secretary, at the Wharleston, WV 25304 (304-926-045)	Amos Hollow Rd.  Yocum MSH  s code section; (2) The information required used in conjunction with the drilling of a an offer of compensation for damages to the oder article six-b of this chapter. Additional V Department of Environmental Protection O) or by visiting www.dep.wv.gov/oil-and-
County: District: Quadrangle: Watershed:  This Notice Pursuant to be provid horizontal w surface affect information headquarters gas/pages/de  Well Operate	Marshall Liberty Littleton, WV Upper Ohio South  Shall Include: West Virginia Code § 22-6A-16(c), this led by W. Va. Code § 22-6A-10(b) to ell; and (3) A proposed surface use and eted by oil and gas operations to the erelated to horizontal drilling may be oil, located at 601 57th Street, SE, Cofault.aspx.  Or: SWN Production Company, LLC	Public Road Access:  Generally used farm name:  s notice shall include: (1)A copy of this a surface owner whose land will be d compensation agreement containing extent the damages are compensable unobtained from the Secretary, at the Witharleston, WV 25304 (304-926-045)  Address: 1300 Fort Pierpor	Amos Hollow Rd. Yocum MSH  s code section; (2) The information required used in conjunction with the drilling of a an offer of compensation for damages to the nder article six-b of this chapter. Additional V Department of Environmental Protection O) or by visiting www.dep.wv.gov/oil-and-
County: District: Quadrangle: Watershed:  This Notice Pursuant to to be provide horizontal wasurface affectinformation	Marshall Liberty Littleton, WV Upper Ohio South  Shall Include: West Virginia Code § 22-6A-16(c), this led by W. Va. Code § 22-6A-10(b) to ell; and (3) A proposed surface use and eted by oil and gas operations to the e related to horizontal drilling may be of the located at 601 57th Street, SE, Confault.aspx.	Public Road Access:  Generally used farm name:  s notice shall include: (1)A copy of this a surface owner whose land will be d compensation agreement containing extent the damages are compensable upobtained from the Secretary, at the Wharleston, WV 25304 (304-926-045)	Amos Hollow Rd. Yocum MSH  s code section; (2) The information required used in conjunction with the drilling of a an offer of compensation for damages to the nder article six-b of this chapter. Additional V Department of Environmental Protection O) or by visiting www.dep.wv.gov/oil-and-

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### 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

May 31, 2022

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

Subject: DOH Permit for the Yocum Pad, Marshall County
Yocum MSH 10H Well Site

Dear Mr. Martin,

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

This operator is in compliance with §22-6A-20 of the WV Code. Operator has signed a STATEWIDE OIL AND GAS ROAD MAINTENANCE BONDING AGREEMENT and provided the required Bond. This operator is currently in compliance with the DOH OIL AND GAS POLICY dated October 1, 2018. This letter is valid for permitting purposes for one year from the date of this letter.

Very Truly Yours,

Gary K. Clayton, P.E.

Regional Maintenance Engineer Central Office O&G Coordinator

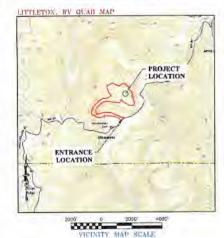
Cc: Brittany Woody Southwestern Energy CH, OM, D-6

File

227			
Product Name	Product Use Mixture	Chemical Name Ethylene glycol	107-21 1
-303 (U.S. Well Services)	Mixture	Cinnamaldehyde	104-55 2
		Butyl cellosolve	111-76 2
		Formic acid	64-18 6
		Polyether	Proprietary
		Acetophenone, thiourea, formaldehyde polymer	68527-49 1
Chirth C Well Condend	Davahan	Ammonium persulfate	7727-54-0
ONE (U.S. Well Services)	Breaker		
tron K-139 (Champion Technologies)	Biocide	Glutaraldehyde	111-30-8
		Quaternary Ammonium Compounds, Benzyl-C12-16-Alkyldimethyl, Chlorides	68424-85-1
		Ethanol	64-17-5
tron K-219 (Champion Technologies)	Biocide	Methanol	67-56-1
		Quaternary Ammonium Compounds, Benzyl-C12-16-Alkyldimethyl, Chlorides	68424-85-1
boNRT	Tracer	Ceramic Proppant	66402-68-4
5486A (Nalco Champion)	Scale Inhibitor	Amine Triphosphate	Proprietary
		Ethylene Glycol	107-21-1
734A (Champion Technologies)	Biocide	Hydrogen Peroxide	7722-84-1
		Acetic Acid	64-19-7
		Peroxyacetic Acid	79-21-0
na-CI200 (SWN Well Services)	Corrosion Inhibitor	Methanol	67-56-1
- Annual Land State Control of the C		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
pol-FEAC (SWN Well Services)	Iron Control	Acetic Acid	64-19-7
Pol-1 FWC (24414 AAGII 2GI AICG2)	TOTI COLLIO	Citric Acid	77-92-9
		Water	7732-18-5
S1175-15 (Halliburtan)	Friction Paduers		
2-S1176-15 (Halliburton)	Friction Reducer	Polyacylate Hydrotreated light petroleum distillate	Proprietary 64742-47-8
NET DOOG LDD (SHALL)	Falatic Nodes		
JET DR900 LPP (SWN Well Services)	Friction Reducer	Distillates (petroleum) hydrotreated light	64674-47-8
		Ethylene Glycol	107-21-1
		Alcohols, C12-16, Exoxylated propoxylated	68213-24-1 Proprietant
		Fatty Alcohols ethoxylated Water	Proprietary
IET 200 / 10	Parado Para		7732-18-5
ET DRP 1130X (SWN Well Services)	Friction Reducer	Proprietary	Proprietary
6 (Halliburton)	Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8
		Inorganic Salt	Proprietary
RON T-390 (Champion Technologies)	Scale Inhibitor	Methanol	67-56-1
		Nonylphenol Ethoxylate	Proprietary
150E (Halliburton)	Corrosion Inhibitor	No hazardous substance	N/A
(SWN Well Services)	Hydrocholic Acid	Hydrochloric Acid	7647-01-0
Annual Control of the		Water	7732-18-5
5 MC (Halliburton)	Scale Inhibitor	Organic phosphonate	Proprietary
		Ammonium Chloride	12125-02-9
FLEX (U.S. Well Services)	Viscosifying Agent	Distillates, petroleum, hydrotreated light	64742-47-8
lick 930	Friction Reducer	Copolymer of 2-propenamide	Proprietary
35U	Thetion Reducer	Hydrotreated Distillate	64742-47-8
		Sodium Chloride	7647-14-5
		AND THE RESIDENCE OF THE PROPERTY OF THE PROPE	68551-12-2
		Alcohols, C12-16, Exoxylated Oleic Acid Diethanolamide	93-83-4
		Ammonium Chloride	12125-02-9
II L oro	PRODUCE BY THE	2.9000000000000000000000000000000000000	
slick 953	Friction Reducer	Petroleum Distillate	64742-47-8
		Sodium Chloride	7647-14-5
		Ammonium Chloride	12125-02-9
W. C		N,N-bis (2-hydroxyethyl) oleamide	93-83-4
slick 957	Friction Reducer	Petroleum Distillate	64742-47-8
		Ammonium Chloride	12125-02-9
		Oleic Acid Diethanolamide	93-83-4
		Alcohols, C12-16, Exoxylated	68551-12-2
		Water	7732-15-5
RA-2000 (U.S. Well Services)	Anionic Friction Reducer	Hydrotreated light distillate (petroleum)	64742-47-8
		Propenoic acid, polymer with propenamide	9003-06 9
aid 655 NM	Scale Inhibitor	Diethylenetriamine penta (methylene phosphonic acid)	15827-30-8
slick 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
cide PS50A	Biocidal product	Tetrakis (hydroxymethyl) phosphonium sulphate  Acrylic acid terpolymer containing carboxylate phosphonate and sulfonate	55566-30-8
			207255 50.7
2950	Eriction Roduce	groups Hydrotreated light netroloum distillate	397256-50-7
-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
		Phosphonic Acid Salt	Proprietary
MX 8-4743		Sodium Nitrate	<sup>7631-99-</sup> 09

## MARSHALL COUNTY, WV HIGHWAY MAP PROJECT LOCATION ENTRANCE LOCATION

HIGHWAY MAP SCALE



ONE CALL UTILITY SYSTEM CONTACT INFO

WEST VIRGINIA 81

CONTRACTOR SHALL NOTIFY THE ONE-CALL SYSTEM OF THE INTENDED EXCAVATION OR DEMOLITION NOT LESS THAN FORTY-EIGHT (AS HOURS, EXCLUDING SATURDAYS, SINDAYS AND LEGAL FEDERAL OR STATE ROLIDAYS, NOR MORE THAN TON HOW WORK DAYS PRIOR TO THE BEGINNING OF SUCIL WORK

THE INFORMATION CONTAINED MEMEN IS THE SOLE PROPERTY OF THE THANSHED ORDER, HE REPRODUCTION OF THESE DRICKINGS IN MIGHE OR HE PERSON WITHOUT FACE MINISTER PROMISEDING IS TRUSTLY PROMISED.

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

#### TOPHOLE COORDINATES

WeE Number	WV83-N Lastrade	WV83-N Longitude	UTM 83-17 Northing	UTM 83-17 Easting
205H	N 39,732964*	W 80.583491*	14429769.221 ft	1757513.640 f
5H	N 39.732946*	W 80.583518*	14429762.709 ft	1757506-049 ft
300	N 39.732929*	W 80.583545*	1442975G.199 ft	1757498.460 f
1H	N 39.732911*	W 80.583572*	14429749.720 ft	1757490,871 (
51015	N 39.732893*	W 80.583600°	14429743.188 ft	1757483.283 f
SIDTE	N. 39.732875*	W 80.583627"	14429735.678 ft	1757475.694 f
51017	N 39.732857*	W 80.583654*	14429730.173 ft	1757468.105 f
STOIZ	N 39.732840*	W 80.583681*	14429723.667 ft	1757460.5161
SLOT 9	N 39.732822*	W 80.583708°	14429717.157 ft	1757452.928 f
SLOT 10	N 39.732804*	W 80.583735*	14425710.651 ft.	1757445.339 #
5101 11	N 39,732786*	W 80.583762*	14429704.145 ft	1757437.750 f
SLOT 12	N 39.732769*	W 80.583789*	14429697.636 h	1757430.161 F
SLOT 13	N 39.732751*	W 80.583816*	14429691.130 H	1757422.572 f
SLOT 14	N 39.732733*	W 80.533843*	14429684.620 ft	1757414.983 F
SLOT 15	N 39.732715	W 80.583871*	14429678 115 ht	1757407.394 f
SLOT 16	N 39.732697*	W 80.583898*	14429671.609 ft	1757399.805 f
SLOT 17	N 39.732748*	W 80.583953*	14429689.823 ft	1757384.1881
SLOT 18	N 39.732765*	W 80.583926*	14429696.329 ft.	1757391.776 f
5LOT 19	N 39.732783*	W 80.583899*	14429702.835 ft	1757399.365 /
SLOT 20	N 39.732801*	W 80.583872*	14429709.344 ft	1757406.954 f
SLOT 21	N 39.732819*	W 80.583845*	14429715.850 N	1757414 543 1
SLOT 22	N 39,732837*	W 80.583817*	14429722.356 ft	1757422.132 f
SLOT 73	N 39.732854"	W 80.583790*	14429728.866 H	1757429.7211
SLOT 24	N 39.732872*	W 80.583763*	14429735.371 ht	1757437.3101
SLOT 25	N 39.732890*	W 80.583736*	14429741.877 ft.	1757444,898 (
51.07 26	N 39.732908*	W 80.583709*	14429748.387 ft	1757452.487 (
S.OT 27	N 39.727975*	W 80.583687*	14429754,893 ft	1757460.076#
SLOT 28	N 39.732943*	W 80.583655*	14429761.399 ft	1757457.665 (
SLDT 29	N 39.732961*	W 80.583628*	14429767.908 ft	1757475.2541
SLOT 30	N 39.732979*	W 80.583601*	14429774,414 ft	1757482.845 6
SIOT 31	N 39.732997*	W 80.583574*	14429780.920 ft	1757490.434 f
SLDT 32	N 39.733014*	W 80.583546*	14479787.430 ft	1757498.023 f

PROJECT

WEST VIRGINIA

#### DISTURBANCE SUMMARY

(Tax Map / Parcel)	Access Road Disturbance	Well Pad Disturbance	Total Disturbance
Yocum Joseph Lee & Michael D (25-7-26-9)	2.94	16.97	19.97
Yocum Joseph Lee & Michael D (25-7-27-4)	7 66	0,00	7.66
Vocum Joseph Lee & Michael D (25-7-27-5)	0.25	0.00	0.25
(1gh Philip D (25:7-27-8)	0.11	0.00	011
Total Disturbance	10.96	16.97	27.93

#### SITE COODDINATES

Coordinate Label	Well Pad Center	Acress Road Beginning	AST Center
WV83 N Latitude	N 39.732854*	N 39.729937"	N 39.733895*
WV83-N Longitude	W 80.583723"	W 80 584823*	M to 283914,
WV83-N Northing	450881.231 fr	449222.466 ft	45 12 68 087 ft
WV83-N Easting	1663725.923 ft	1663403.685 %	1663199,057 h
UTM 83-17 Northing	14429728.998 ft	14428665.345 ft	14430106,875 (
UTM 83-17 Easting	1757448.670 ft	1757144.214 ft	1756915.538 ft
UTM 83-17 Northing	4398190 195 m	4397865.993 m	4398305.372 m
LITTAL 83-17 Easting	533673.431 m	535578.628 m	535508.927 m

#### WELLS

WELL NAME	API NUMBER	DIAMETER	CELLAR	CELLAR MATERIAL
PERMITTED YOCUM MISH SH	051-02024	10'	10	CELLAR TECH
PERMITTED YOULD MISH BH	051-02:24	10'	10"	CELLAR TECH
PERMITTED TOOLIM MSG 2059	051-02125	10'	10	CELLAR TECH
PERMITTED YOCUM MISH TH	051-07143	101	10	CELLAR TECH

### DRIVING DIRECTIONS FROM CAMERON, WV

- FROM DOWNTOWN CAMERON 1-WAY STOP
  1. HEAD SOUTH ON WILEY (361-FT)
  2. HERN LEFT ONTO US-250 S/ MAPLE AVE (8,4-mi)
  3. THEN RIGHT ONTO AMOS HOLLOW RD (2,0-mi)
  4. DESTINATION WILL BE ON THE RIGHT.

_	SHEET INDEX
SHEET	DESCRIPTION
1	TITLE SHEET
2-3	EVACUATION PLAN & PREVAILING WIND
4.	AS-BUILT OVERALL SITE PLAN
5 - 8	AS-BUILT ACCESS ROAD PLAN & PROFIL
9	AS-BUILT WELL PAD PLAN
10	AS-BUILT WELL PAD SECTIONS
RI	SLIP REPAIR OVERALL
RZ.	SLIP REPAIR SITE PLAN
R3	ASTPLAN
R4	AST PAD SECTIONS
R5-R14	ACCESS ROAD SECTIONS
R15	AST AR PROFILE
D1-D6	DETAILS
D7-D8	GENERAL NOTES

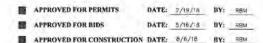
I hereby certify that I am a licensed engineer in the state of West Virginia.

This As-Built certifies, to the best of my knowledge, information and belief: the Well Pad constructed by Burns Drilling & Excavation, in Marshall County, WV on behalf of SWN Production Company, LLC, has been constructed in general conformance to the plans and specification and, in my professional opinion, is in compliance with applicable laws, codes, and ordinances.







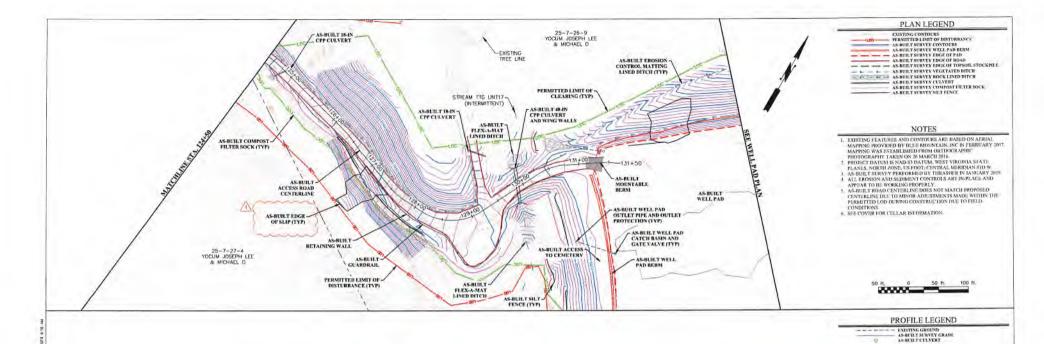


REVISION NUMBER	SHEETS	BY	DATE	DESCRIPTION
1	1.4.8.R1-R8 & D1-D7	JOA & JER	09/19/19	ADDED SUP REPAIR PLANS & DETAILS
2	R1-R3, R15 & D7-D8	JCA	09/25/19	REVISED PER DEP COMMENTS



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





APPROVED

MODIFICATION
WYDEP GOG

10/7/2019



VERT. 0 50 ft

- 1	SRP	C9/19/19	ADDED SUP AS-BURT
NO.	-BY	DATE	
	i NG.		1 ,89 09/19/19

DESCRIPTION



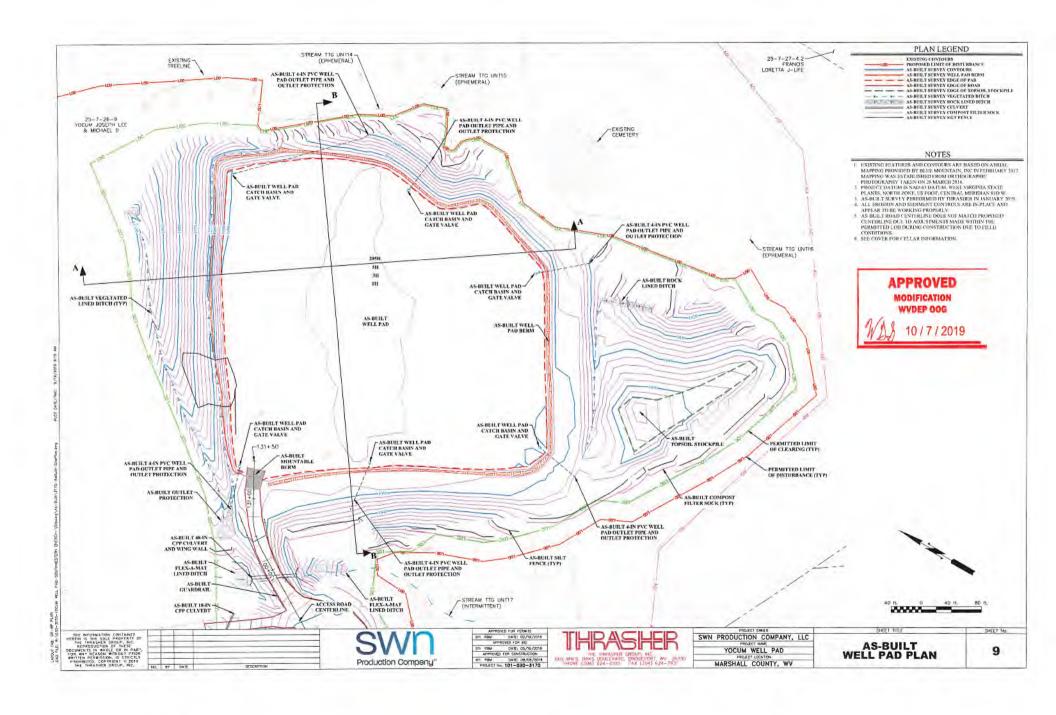


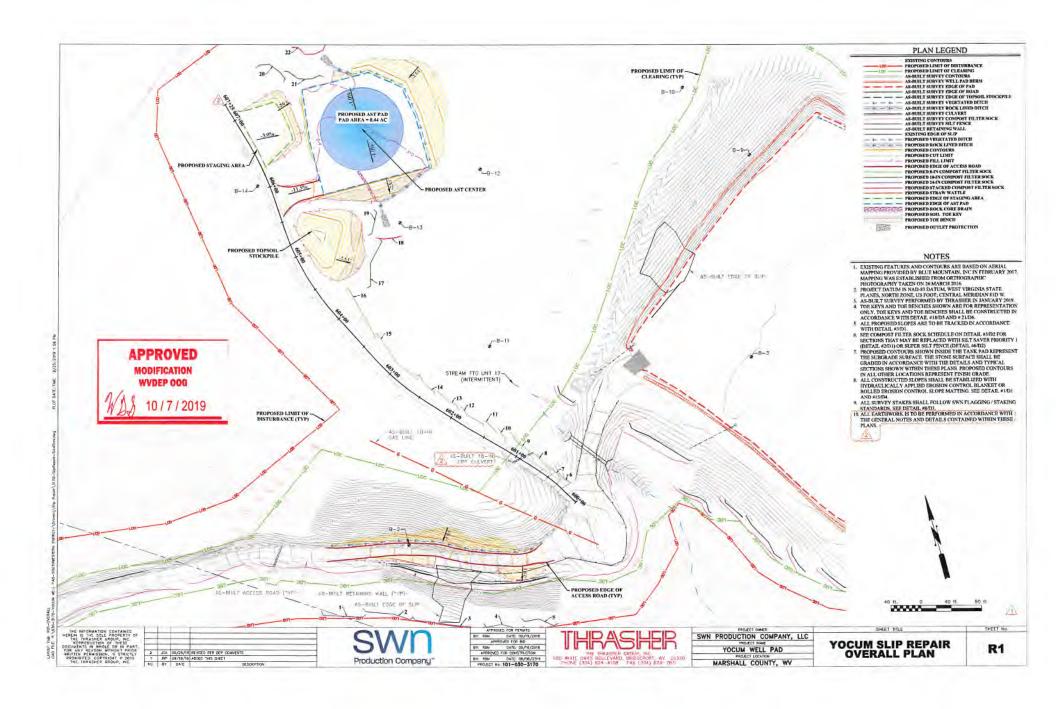


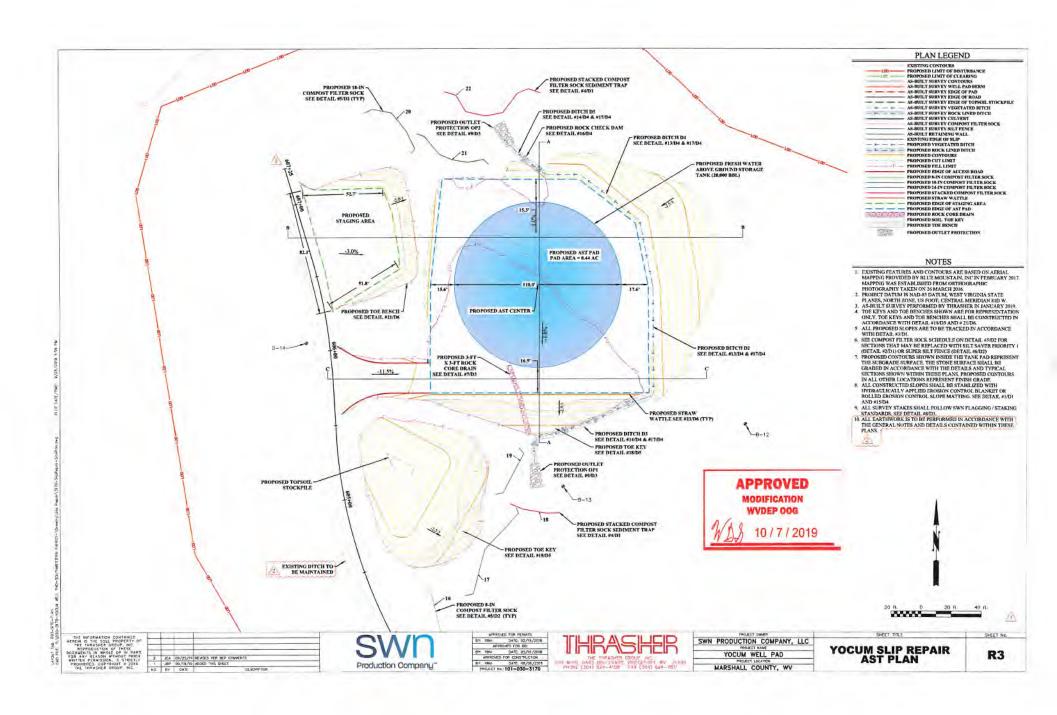
	PROJ	ecr o	WHER		
SWN	PRODUCTI	ON	CO	MPANY,	LLC
	PRO	JECT N	JAME.		
	YOCUM	WE	LL	PAD	
	PROJE	CT LC	CATICA	4	
	MARSHALL	CC	UN	TY. WV	

SHEET TITLE
AS-BUILT ACCESS ROAD PLAN AND PROFILE

SHEET No.







# MARSDALL COUNTY WV DIGREAT MAP PROJECT ENTRANCE WIL .

MAP SCALE



ONE CALL UTILITY SYSTEM CONTACT INFO

WEST VIRGINIA 811

CONTRACTOR SHALL, MITTHY THE ONS-CALL SYSTEM OF THE INTERODED BEAVAYTION OR DEMOLITION FOR LESS THAN PRISTY-BEIGHT (S) HOURS, EXCLUSIONS SATURDAYS LEAD BEAULT FERREAL OR STATE BOLIDAYS, SUR MORE THAN TEN (S) WORK DAYS BEAUT TO THE BUTTONING OF SUCH WORK.

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

JUL 2 0 2022

tion

RECEIVED Office of Oil and Gas

INICI; MANSHALL COURT I.	, WWW
FEBRUARY 2019	WV Department of Environmental Protecti

Well Marriage	VIVES-67 Latinute	Longitude	UTM 12-17	UTM 63-12 Forting
2019(	H 39.732564*	W#0.583491*	14425789.22315	1757513.640 n
58	1139.752544	7 W 30,5635381	14429763,709 ft	1737506.049 f
311	1439.732529*	W 42.543545*	14429755 199 ft	1757498 480 6
3/4	N 39.782923*	W 40.563572"	16429749.730 ft.	1757490.871 0
SLOT 5	N 39.732855*	W 80 543600	14429743.18271	1757433.252 h
SECT 6	n 39.782475*	W 50 583627*	14429736,678 /1	1757475-664 ft
5,017	H-95/732857*	W 80 SESSES	12479750.173 ft	1757/46.305 /
210.2	N 33.732640"	W ED 583621"	16425723,667 /t	1757=60,518 5
9.079	N 29,732627*	W 60.5837G8"	14129717.157 ft	1757452.525 6
STOT 10	N 39.732804"	W NO. SE1735*	14429710.651 75	1737945.329 0
SLOT 11	#38.733786°	W 80.583762"	14429704.145 ft	1757±17.750 fc
\$1.07 13	N 38.732740°	W10.543789*	14423697,436 ft.	1757490 161 0
E. 77.12	N 39.731751"	W 80.583616"	14429691.130 ft	1757422.572 h
SACT 14	N 39.792735*	M 80 283848*	14429664,62011	1757414.98576
MCT 11	P 35.732715*	W 80.563471"	14425678.11572	1757407.364 %
5LCT 15	N 25.722607*	A NO ZETASE.	14429671.600 ft	1757399.805 1
54.07.17	11.25,732748*	W 80.583913"	14429688 825 fr	1757354.168 %
CLOT 14	# \$5,732765°	WEXSELFE	14429696.329 ft	1797392.779 (1
\$1.0T 19	6.39.732783*	W 60.523073"	14429701.88574	1757309.365.0
5LOT 20	(1 23.7320DL*	W 80.541872	30129709.344fc	1757406-954 ft
SIOT 23	N 39,7376±4"	WEO.33363"	14425715.E50 Ft	1757414 541 6
9L0T 72	N 59.732897*	WED, SEEST	14438722.256 ft	1757422 152 6
3LOT 23	N 39.732854*	W 60.531750*	14429736.ME ft	1757429.721 ft
SLGT 24	N 35.733572"	W 80.543763"	14429735.371 ft	1757437,313 ft
51.0125	N 23.732890"	W 80.583736"	24429741.877 ft	1767418 SSS ft.
SLOTZS	N 39.733500°	W 40,581708"	14439746.347ft	1757452,457 ft
SLOT 27	N 29.732125"	WIDSENS!	14439754.09575	1757460.076fL
STOR	ft 39.732343"	W 80,583655"	14429761 355 ft	1757467,665 (1
S.OT 29	N 39.732563*	W 80.583625"	14429767.SQA (1)	1757475.2546
06 10.2	N 39.742379"	W 80.323601"	14629774,414 ft	1757482.845 ft
11,0731	N 30.712997*	W 50,583574*	14429790 920 h	1757492 1540
SET 12	N 29.723015*	W 80.543545*	14425787.430 ft	1757495.023 ft

Fregretty Oyener (Tee Man / Parcell)	Accord Street Descendances	Well Pad Steparhance	Total
Votare Heaph See E. Michael D 125-7-26-81	2:04	1687	11.91
Victoria Abergah (es & Mickel d' D 123-7-27-4]	284	90.0	7,66
Transmiles with Louis Allichard D (25-7-27-5)	023	240	0.21
Mgn 24.81p D 125-7-07-41	011	0.00	6.41
Tetal Certarismer	20.04	16.87	17.68

SITE COORDINATES					
Coordingto Lobal	Well Fud Center	Azersa Read Registery	AST Center		
WV93-N Latkside	N 99 712814*	× 19.729537* 1	823.732M9		
IVVES-IV Langitude	W 80.583722*	W 80.584823* 1	W T0.535513*		
WV83-M Runling	450MEL731 ft	445872 466 17	451248.087 ht		
WIVES-W THIRTY	3683723.023 ft	1843401.885 ft	16631010571		
LITM 25-17 Northby	14×25724.694 ft	14420465345.0	14432106 275 h		
UTM E3-17 Cesting	175744E.620 ft	1757144 214 m	1756815 538 tt		
UTW EB-17 HEMNING	410810F 175 m	1 4357863.553 Pt	4756705,571 /11		
LITTA EE-17 Sacring	175571411-0	335578.428 rb	535508.527 m		

WELLS					
WEST WAVE	API MUNICIPE	COLAN	CELLAR	CILLAR MATTELA	
PERMETER VOCUM MEH SH	Q31-02024	1 10	16	CCUIAR TECH	
RESEASTED FOCUM MORE DE	651-02124	12	10	CITILAN TEEM	
PERMITTED TOCKM MISE 205H	R34-02123	13"	16	TELIAR TROM	
PERMATRICIOCUM MINIST	623-023.53	18"	15	CELLAN TECH	

#### DRIVING DIRECTIONS FROM CAMERON, WV

FROM BOWNTOWN CAMERON 3-WAY STOP

1 READ SOUTH ON WILEY (341-71)

1. THEN LEPT ONTO US-250 37 MAPCE AVE (4.4-40)

1. THEN LEPT ONTO US-250 37 MAPCE AVE (4.4-40)

4. DESTINATION WILL BE ON THE RIGHT.

	SHEET INDEX
SHEET	DESCRIPTION
- 1	TITLE SHEET
2-3	EVACUATION PLAN & PREVAILING WIND
4	AS-BUILT OVERALL SITE PLAN
5-1	AS-BUILT ACCESS ROAD PLAN & PROFILE
9	AS-BUILT WELL FAD PLAN
10.	AS-BUILT-WELL PAD SECTIONS
RT	SLIP REPAIR OVERALL
R2	SLIP REPAIR SITE PLAN
RI	AST PLAN
84	AST PAD SECTIONS
R5-R14	ACCESS ROAD SECTIONS
D1-D6	DETAILS

I hereby certify that I am a licensed engineer in the state of West Virginia. This As-Bulk certifies, to the best of my knowledge, information and belieft the Well Pad contracted by Invento Drilling & Exercation, in Marshall County, WV on behalf of SWN Production Company, LLC, has been constructed in greend; certiformates to the plants and specification and, in my professional upinion, is in compliance with applicable laws, codes, and orthonnees.







REVISION NUMBER	SHEETS	BY	DATE	DESCRIPTION
1	1,4,8,R1-R8 & 01-07	JCA & JPP	01/19/10	ADDED SUP REPAIR PLANS & DETAILS
	01-01			



SWN PRODUCTION COMPANY, LLC 179 Interior Drive Jane Lee, WY 26378 (204) 284-1610



THE OFFICENCE CONTAINED WITCH IS THE YEAR PROPERTY OF THE TRANSPORT FROM THE STREET OF THE STREET OF