

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

Wednesday, April 19, 2023 WELL WORK PERMIT Horizontal 6A / New Drill

SWN PRODUCTION COMPANY, LLC POST OFFICE BOX 12359

SPRING, TX 773914954

Permit approval for William Ritchea WTZ 210H Re:

47-103-03575-00-00

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

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

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

James A. Ma

Chief

Operator's Well Number:

William Ritchea WTZ 210H

Farm Name: William D Ritchea & Shirley E

U.S. WELL NUMBER: 47-103-03575-00-00

Horizontal 6A New Drill

Date Issued: 4/19/2023

API Number:	
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PERMIT CONDITIONS

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

CONDITIONS

- 1. This proposed activity may require permit coverage from the United States Army Corps of Engineers (USACE). Through this permit, you are hereby being advised to consult with USACE regarding this proposed activity.
- 2. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6A-5a (12), which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than one hundred (100) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
- 3. When compacting fills, each lift before compaction shall not be more than 12 inches in height, and the moisture content of the fill material shall be within limits as determined by the Standard Proctor Density test of the actual soils used in specific engineered fill, ASTM D698, Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort, to achieve 95 % compaction of the optimum density. Each lift shall be tested for compaction, with a minimum of two tests per lift per acre of fill. All test results shall be maintained on site and available for review.
- 4. Operator shall install signage per § 22-6A-8g (6) (B) at all source water locations included in their approved water management plan within 24 hours of water management plan activation.
- 5. Oil and gas water supply wells will be registered with the Office of Oil and Gas and all such wells will be constructed and plugged in accordance with the standards of the Bureau for Public Health set forth in its Legislative rule entitled Water Well Regulations, 64 C.S.R. 19. Operator is to contact the Bureau of Public Health regarding permit requirements. In lieu of plugging, the operator may transfer the well to the surface owner upon agreement of the parties. All drinking water wells within fifteen hundred feet of the water supply well shall be flow tested by the operator upon request of the drinking well owner prior to operating the water supply well.
- 6. Pursuant to the requirements pertaining to the sampling of domestic water supply wells/springs the operator shall, no later than thirty (30) days after receipt of analytical data provide a written copy to the Chief and any of the users who may have requested such analyses.
- 7. 24 hours prior to the initiation of the completion process the operator shall notify the Chief or his designee.
- 8. During the completion process the operator shall monitor annular pressures and report any anomaly noticed to the chief or his designee immediately.
- 9. If any explosion or other accident causing loss of life or serious personal injury occurs in or about a well or well work on a well, the well operator or its contractor shall give notice, stating the particulars of the explosion or accident, to the oil and gas inspector and the Chief, within 24 hours of said accident.
- 10. During the casing and cementing process, in the event cement does not return to the surface, the oil and gas inspector shall be notified within 24 hours.
- 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-\N3
OPERATOR WELL NO. WHITE ARTER WITZ

Well Pad Name: William Ritchea WTZ

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

1) Well Operato	or: SWN Produ	uction Co., LLC	494512924	103-Wetzel	7-Proctor	681-Wileyville
	-		Operator ID	County	District	Quadrangle
2) Operator's W	Vell Number: Wi	Iliam Ritchea W	TZ 210H Well Pa	d Name: Willia	m Ritchea	WTZ
3) Farm Name/	Surface Owner.	William D. Ritchea & Shirle	y E Ritchea Public Ro	ad Access: Har	lan Ridge F	Road
4) Elevation, cu	rrent ground:	1563' I	Elevation, proposed	post-constructi	on: 1563'	
5) Well Type	(a) Gas x Other	Oil _	Und	lerground Storag	ge	
	ACKS THE STATE	illow x	Deep			
6) Existing Pad	Yes or No Yes					
			icipated Thickness of TVD-7683', Target Base T			sociated Pressure- 5025
8) Proposed To	tal Vertical Dept	h: 7713'				
	Total Vertical D		ıs			
10) Proposed To	otal Measured D	epth: 18,726'				
11) Proposed H	orizontal Leg Le	ength: 10,688.	36'			
12) Approximat	te Fresh Water S	trata Depthe	541'			
13) Method to I	Determine Fresh	Water Depths:	BOFW determined from sale	inity calculations from V	Villiam Ritchea W1	Z 3H logs API 47-103-03129
14) Approximat	te Saltwater Dep	ths: 1556' Sali	nity profile analysis	H		
15) Approximat	te Coal Seam De	pths: 1493'				
16) Approximat	te Depth to Poss	ble Void (coal r	nine, karst, other):	None that we	are aware o	of.
						Office Of Oil and Gas
	sed well location ng or adjacent to			No	x	MAR 1 4 2023
(a) If Yes, pro	vide Mine Info.	Nanc.				WV Department of Environmental Protection
		Depth:				
		Seam:				
		Owner:				



API NO. 47-103 -

OPERATOR WELL NO. William Ritchen WTZ 210H

Well Pad Name: William Ritchea WTZ

18)

CASING AND TUBING PROGRAM

1 7	1.60	10	7	-	7	100
47	1.02	SU.	0	-	1	3

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	J-55	54.4#	591'	591'	680 sx/CTS
Coal	See	Interm	Casing				
Intermediate	9 5/8"	New	J-55	36#	2950'	2950'	1096 sx/CTS
Production	5 1/2"	New	P-110 HP	20#	18726'	18726'	Tall 3276 Ear 1007 Inside Intermediate
Tubing							
Liners							

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	See	Interm	Casing				
Intermediate	9 5/8"	12 1/4"	0.395	3950	1768	Class A	1.19/40% Excess
Production	5 1/2"	8 3/4"-8 1/2"	0.361	14360	10500	Class A	1.19/5% Excess
Tubing							
Liners							

PACKERS

Kind:			
Sizes:			
Depths Set:			



WW-	6B
(10/1)	4)

API NO. 47-103 OPERATOR WELL NO. WIRETH RICHER WITZ 210H
Well Pad Name: William Ritches WITZ

4710303575

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

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

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

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

- 21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 12.2
- 22) Area to be disturbed for well pad only, less access road (acres): 9.0
- 23) Describe centralizer placement for each casing string:

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

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

See Attachment ***

25) Proposed borehole conditioning procedures:

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

*Note: Attach additional sheets as needed.

3/9/23

			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
2 12 år.	S001	A-7P	0110	ACCELERATOR	CALCIUM CHLORIDE	10043-52-4
COAL PROTECTION	$>\!\!<$	INTEGRA SEAL	0600	LOST CIRC MATERIAL	CELLOPHANE FLAKES	9005-81-6
us to a S	S001	A-7P	CJIIO	ACCELERATOR	CALCIUM CHLORIDE	10043-52-4
	D020	BENTONITE	CJ020	EXTENDER	BENTONITE	1302-78-9
	0047	FP 28L	$>\!\!<$	LIQUID ANTIFOAM AGENT	POLYPROPYLENE GLYCOL	25322-69-4
INTERMEDIATE	$>\!\!<$	INTEGRA SEAL	C7600	LOST CIRC MATERIAL	CELLOPHANE FLAKES	9005-81-6
INTERMEDIAL	CemNet	> <	\times	LOST CIRC MATERIAL	COATED FIBERGLASS FIBERS	PROPRIETARY
	SUGAR	SUGAR	CJ795	CMT RETARDER	SUCROSE	57-50-1
	S001	A-7P	CJ110	ACCELERATOR	CALCIUM CHLORIDE	10043-52-4
	$>\!\!<$	\times	CJH	ACCELERATOR	SODIUM CHLORIDE	7440-23-5
	><	55-HW	0880	SURFACTANT	NONIONIC SURFACTANT	6540-99-4
	DO47	FP 28L	> <	LIQUID ANTIFOAM AGENT	POLYPROPYLENE GLYCOL	25322-69-4
ĺ	$>\!\!<$	$>\!\!<$	OX157011	SOLID ANTIFOAM AGENT	FULLERS EARTH(ATTAPULGITE)	8031-18-3
Î	$\overline{}$	$>\!\!<$	CJ540	HP FLUID LOSS ADDITIVE	ALIPHATICAMIDE POLYMER	PROPRIETARY
	0255	> <	$>\!\!<$	MED TEMP FLUID LOSS ADDITIVE	POLYACRILIC POLYMER	PROPRIETARY
	$\overline{}$	$\overline{}$	CJ213	RETARDER	CHRYSTALLINE SILICA	14808-60-7
PRODUCTION	> <	FL-66	0501	LOW TEMP FLUID	POWDERED POLYSACCHARIDE	PROPRIETARY
		BENTONITE	CJ020	EXTENDER	BENTONITE	1302-78-9
	D208	ASA-301	\times	VISCOSI FIER/ANTI- SETTLING AGENT	REFINED POLYMER/ CHRYSTALLINE SILICA	PROPRIETARY
ļ	D198	R-3	>>	CEMENT RETARDER	LIGNIN	8068-51-6
	SUGAR	SUGAR	CJ795	CEMENT RETARDER	SUCROSE	57-50-1
	D065	\times	X	DISPERSANT	SODIUM POLYNAPHTHALENE SULFONATE	8068-51-6
	D800			CEMENT RETARDER	SODIUM	8061-51-6

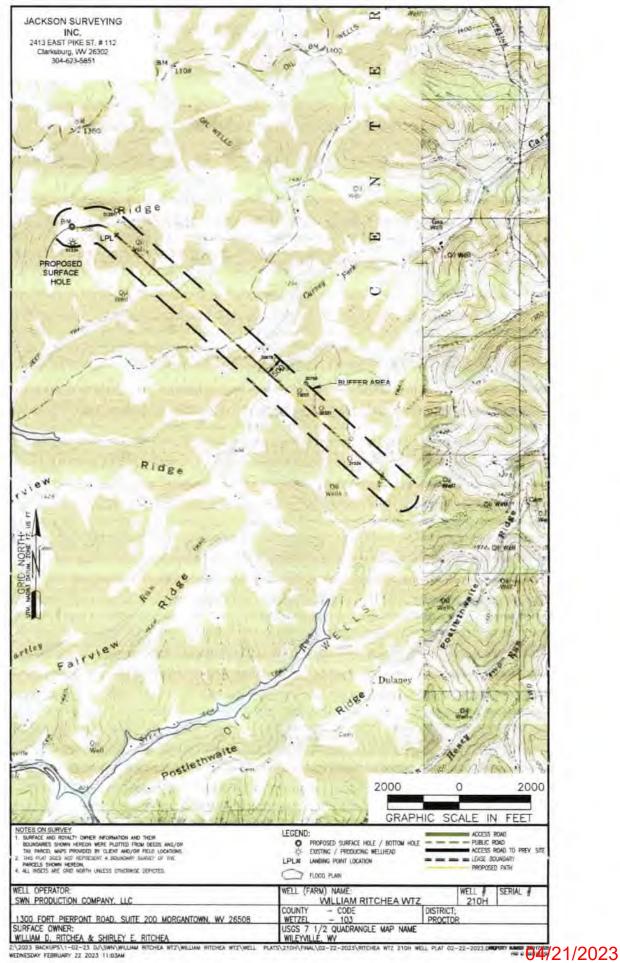
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Southwestern Energy Company **Proposed Drilling Program** Well: WILLIAM RITCHEA WTZ 210 Re-entry Rig: **SDC 41** Field: VICTORY FIELD WET Prospect: Marcellus Shale wv County: WETZEL State: -80.6594 Longitude SHL: 39.6696 Latitude BHL: 39.6491 Latitude -80.6270 Longitude **KB Elev:** 1,589 ft MSL KB: 26 ft AGL 1,563 ft MSL GL Elev: NO COAL VOID EXPECTED 126 to 611' Air/Mist PROD TOC Lead @ 2,950 ' MD PROD TOC Tail @ 6,986 ' MD 611 'to 2,970' Air/Mist/Brine **TUBULAR DETAIL** Planned Interval Casing Size Weight Grade Casing String (in) (Min) (Min) From To Conductor 20 94.0# 1-55 0' 126 2.970 to 6.986 Air/Mist Surface 13,375 54.4# J-55 0 591 Intmdt/Coal 9.625 36.0# 0 J-55 2,950 ' Production 5.5 20.0# P-110 HP 0 18.726 CEMENT DETAIL Sacks Class Density Conductor 160 19.3 Surface 680 A 15.6 #N/A Intermediate A 15,6 Production #N/A 14.5-15.6 Air/Mist TD at 6,986 KOP at 6,986 'MD Freshwater Depth - 541 'TVD 6,986 to 8,032 Coal Depth - 1,492 'TVD 12.0-12.5 ppg Saltwater Depth - 1,556 'TVD Office Of Oil and Gas TVD - 7,713 ' TMD - 18,7261 MAR 1 4 7023 WV Department of Environmental Protection TD at 18,726 'MD 7,713 'TVD 7,583 ' Target Center EOB at 8,032 'MD Onondaga 7,742 'TVD 8,032 to 18,726 12.5-13.5 ppg SHL Onondaga 7,612 TVD Created by: Sebastian Ziaja on 02/15/2023





	William Ritches WTZ 210H AOR						
Ą	Operator	Status	Latitude	-bngftude	Vertical TD	Producing Formation	Producing Zones Not Perforated
47-103-01234	Perkins Oil and Gas, Inc., 1306 Edgewood Dr. St. Marys, WV 26170	unknown	***	***	4285	Gordon Stray	
47-103-01291	Perkins Oil and Gas, Inc., 1306 Edgewood Dr., St. Marys, WV 26170	unknown	***	•••	3428'	Gordon Stray	
47-103-30978	Unknown	Abandoned	444	***	3147'	Gordon	
47-103-30768	Unknown	Abandoned	***	***	upknown	uwcatkan	
47-103-73057	Unknown	iJnknown	**	***	นลหางพา	unknown	
47-103-30331	Unknown	Abandoned	***	•••	3241'	Gordon	
47-103-73053	Unknown	Unknown	***	***	uaknown	unknown	
47-103-31034	Unknown	Abandoned	***	***	3306'	Gordon	
47-103-73036	Unknown	Unknown	***	***	บกหาดพา	unknown	
47-103-03526	EQT Production Company 400 Woodcliff Drive Canonsburg, PA 15317	Active	39.654144	-80.620402	6,805	Marcellus	
47-103-03527	EQT Production Company 400 Woodcliff Drive Canonsburg, PA 15317	Active	39.654175	-80.620368	6,552'	Marce/krs	

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API Number 47 - 103

Operator's Well No. William Ritchea WTZ 210H

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name SWN Production Co., LLC	OP Code 494512924
Watershed (HUC 10) Fish Creek	Quadrangle Wileyville
Do you anticipate using more than 5,000 bbls of water to com Will a pit be used? Yes No	plete the proposed well work? Yes 🗸 No
If so, please describe anticipated pit waste:	
Will a synthetic liner be used in the pit? Yes	No If so, what ml,?
Proposed Disposal Method For Treated Pit Wastes:	
Land Application	
 Underground Injection (UIC Pern 	nit Number_ Various Approved Facilities
Reuse (at API Number At the next ar	
Off Site Disposal (Supply form W Other (Explain_recovery and solidit	
Will closed loop system be used? If so, describe: Yes-See A	attachment 3A
Drilling medium anticipated for this well (vertical and horizon	ntal)? Air, freshwater, oil based, etc. Aron box 00 find on with SOBM from NDP to TO
-If oil based, what type? Synthetic, petroleum, etc.	Synthetic Oil Base
Additives to be used in drilling medium? Attachment 3B	
Drill cuttings disposal method? Leave in pit, landfill, remove	d offsite, etc. andfill
-If left in pit and plan to solidify what medium will b	
Apex Sanitary Landtill Ub-U8438, Brooke Co S Permittee shall provide written notice to the Office of Oil and	VF-1032: Short Creek SWF-1034, Carbon Limestone MSWL018781, Welzel County 1021 VVF-TUT3, FIMS 3531UU Gas of any load of drill cuttings or associated waste rejected at any d within 24 hours of rejection and the permittee shall also disclose
on August 1, 2005, by the Office of Oil and Gas of the West \ provisions of the permit are enforceable by law, Violations law or regulation can lead to enforcement action. I certify under penalty of law that I have personal application form and all attachments thereto and that, bas	conditions of the GENERAL WATER POLLUTION PERMIT issued //irginia Department of Environmental Protection. I understand that the of any term or condition of the general permit and/or other applicable ly examined and am familiar with the information submitted on this ed on my inquiry of those individuals immediately responsible for true, accurate, and complete. I am aware that there are significant bility of fine or imprisonment. Office Of Oil and Gas
Company Official (Typed Name) Brittany Woody	MAR T 44 T 17 4
Company Official Title Senior Regulatory Analyst	WV Department of Environmental Protection
Subscribed and sworn before me this 23 day of 1	REID CROFT REID CROFT Notary Public Official Seal State of West Virginia My Comm. Expires Aug Z1, 2024 47 Sparrow Lane Morgantown WY 26508

Proposed Revegetation Treatment: Acres Disturbed 12.2	Prevegetation pH	1
Lime as determined by pH test min.2 Tons/acre or to correct to pH	5.9	
Fertilizer type 10-20-20		
Fertilizer amount 600/500	os/acre	
Mulch_ Hay/StrawTons/a	acre	
See	d Mixtures	
Temporary	Perma	nent
Seed Type lbs/acre Attachment 3C	Seed Type	lbs/acre
Attach:	nation (unless anaignees during in alcoh	ing this in Co. Love No.
Attach: Maps(s) of road, location, pit and proposed area for land application area for land application area, of the land application area.	eation (unless engineered plans includ mensions (L x W x D) of the pit, and	ling this info have been dimensions (L x W), a
Attach: Maps(s) of road, location, pit and proposed area for land application and proposed area for land application area, of the land application area. Photocopied section of involved 7.5' topographic sheet.	mensions (L x W x D) of the pit, and	dimensions (L x W), a
Attach: Maps(s) of road, location, pit and proposed area for land application applied to the land applied, include discreage, of the land application area.	mensions (L x W x D) of the pit, and	dimensions (L x W), a
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Attach: Maps(s) of road, location, pit and proposed area for land application application and proposed area for land application area. Photocopied section of involved 7.5' topographic sheet.	mensions (L x W x D) of the pit, and	RECEIVED

() No

(_____) Yes

Field Reviewed?

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)

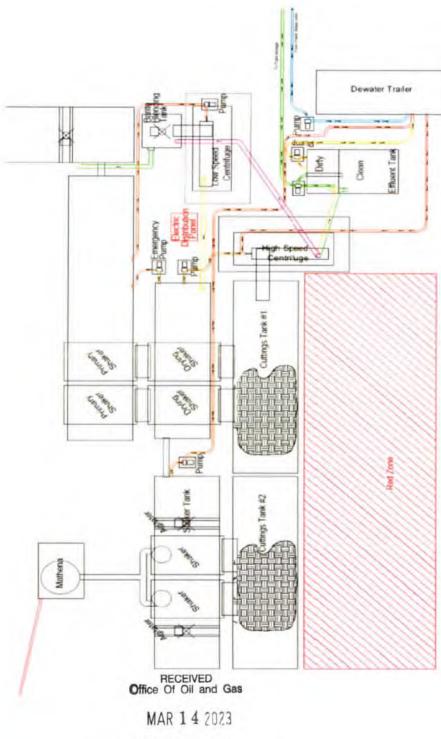
When drilling is converted to liquids drilling, the shale gas separator and associated shaker tank are bypassed, and the liquids system is processed over the primary and drying shaker systems. Cuttings drop into the cuttings tank for additional processing. Any recoverable associated liquids attached 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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Solids Control Layout

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47192.4.79

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

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Friction Reducers



WVD Seeding Specification

SWN Supplied

NON-ORGANIC PROPERTIES

Seed Mixture: ROW Mix

Orchardgrass

Fimothy

15% 15%

2% 2% 2% 2%

40%

Pelletized Lime @ 2 Tons per Acre Apply @ 200ths per acre Oct. 15th- April 15th **SWN Supplied** (please allow 7 to 10 days for delivery) 20% 20% 20% 20% Seed Mixture: SWN Production Organic Mix Organic Fertilizer @ 2001bs per Acre Apply @ 100lbs per acre April 16th- Oct. 14th ORGANIC PROPERTIES Organic Red or White Clover Organic Red or White Clover Organic Perennial Ryegrass To Order Seed contact Lyndsi Eddy Flippo office 570-996-4271 cell 501-269-5451 lyndsi_eddy@swn.com Organic Timothy

|--|--|

Solbs per acre of Winter Wheat

Oct. 15th April 15th PLUS Apply @ 200lbs per acre

Office Of Oil an

Apply @ 100lbs per ages.
April 16th- Oct. 14th3d

SOIL AMENDMENTS

10-20-20 Fertilizer

Pelletized Lime

MAR 14

innoculated at 5x normal

2%

All legumes are

Medium Red Clover

Red Top

Birdsfoot Trefoil Rough Bluegrass

White Clover

Brown Top Millet Annual Ryegrass

20% 20% 10% %5 Cosmos 'Sensation' **VA Wild Ryegrass** Annual Ryegrass Fowl Bluegrass Redtop

"unless otherwise dictated by soil test results

Apply @ 500lbs per Acre Apply @ 2 Tons per Acre

Gas

Golden Tickseed Maryland Senna

7103031

2% 2% 2%

> Showy Tickseed Fox Sedge Soft Rush

2.5% 2.5% 2.5% 2.5%

Swamp Verbena

Woolgrass

Apply @ 25lbs per acre April 16th- Oct. 14th

Apply @ 50lbs per acre Oct. 15th-April 15th

NO FERTILIZER OR LIME INSIDE WETLAND LIMITS

Vnopsis

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

eeding Calculation Information

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:

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

MARCELLUS WELL DRILLING PROCEDURES AND WELL SITE SAFETY PLAN

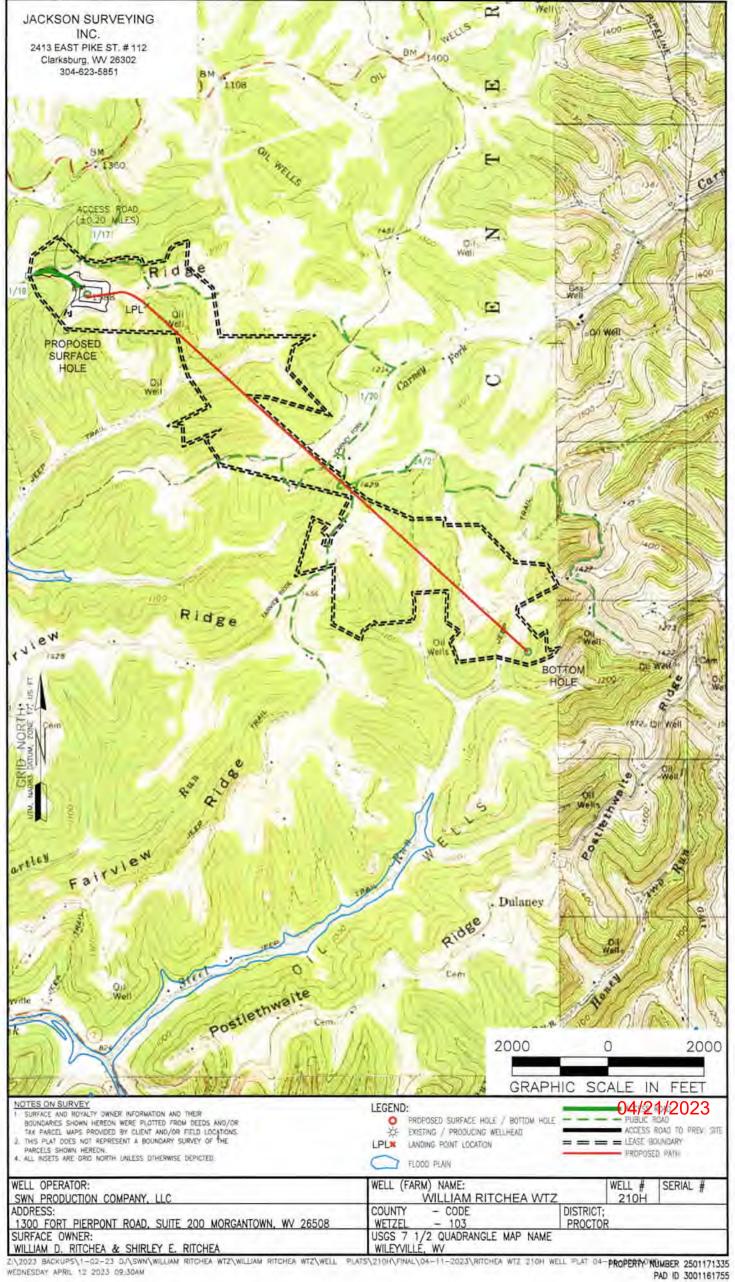


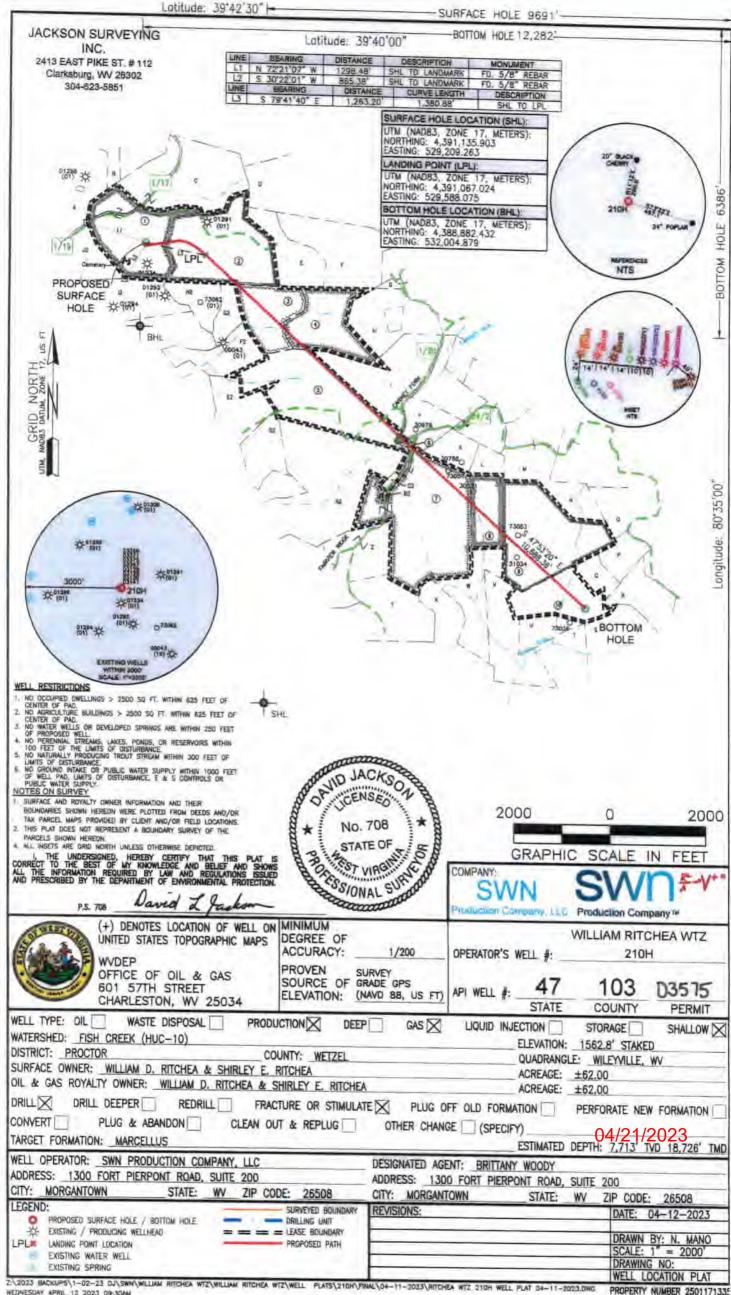
SWN Production Company, LLC 1300 Fort Pierpont Drive, Suite 201 Morgantown, West Virginia 26508

API NO. 47-XXX-XXXXX
WELL NAME: William Ritchea WTZ 210H
Wileyville QUAD
PROCTOR DISTRICT
WETZEL COUNTY, WEST VIRGINIA

Submitted by:		
Name: Brittany Woody	Date: 6/14/202	22
Title: Senior Regulatory Analyst	SWN P	roduction Co., LLC
Approved by:		
Name: my	Date: 3/9/	73
Title: W Oil & Gos Toperfor	_	RECEIVED Office Of Oil and Gas
Approved by:		MA- 14777
Name:	Date:	WV Department of Environmental Protection
Title:	_	

SWN PRODUCTION COMPANY, LLC - CONFIDENTIAL





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

-	WELL BORE TRACTS	
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	RITCHEA WILLIAM D & SHIRLEY E (S/R)	12-15-21
TRACT	SURFACE OWNER (S)	11-15-11
2	CHRISTY MICHAEL MJR ETAL & HALL SUSAN (S)	12-15-22
3	BROWN SANDY K (S)	12-15-28
4	YOHO KIMBERLY & KEITH ALLEN (S)	12-15-29
5	MELOTT TERREL LEMOYN (5)	01-10-22
6	WYKERT ERIC D (S)	01-10-23
7	MCCRAY UNDA ETAL(S)	01-10-33
8	MCMILLEN SHARON J (S)	01-10-33
9	MCMILLEN SHARON 1 (5)	01-10-34
10	MCMILLEN SHARON J (S)	01-10-49

ADJOINING OWNERS TABLE					
TRACT	SURFACE OWNER	TAX PARCE			
A	PITOSCIA WILLIAM R	12-14-16			
8	URBANEK SCOTT J & CHRYSTAL A	12-15-13			
C	LEMASTERS H C HRS & MANKER CHARLES V REVOC LIVING TR	12-15-18			
D	LEMASTERS DOLLY G EST	12-15-19			
E	HEETER HAROLD JR ETAL	12-15-23			
F	FERRELL HANNAH RAINE & FERRELL JOSEPH ROSS	12-15-24			
G	WYKERT WAYNE & ASHLEY	01-10-14			
н	WOOD GLENN & TAMELA P	01-10-09			
1	MELOTT TERREL L	01-10-10			
1	BARD VANESSA	01-10-11.1			
K	7				
L	7				
M	CRANE DONALD N	01-10-24			
N	7	01-10-24			
0	HENDERSON AMIE LEE	01-10-36			
P	HENDERSON AMIE LEE	01-10-37			
Q	MCMILLEN SHARON J	01-10-51			
R	MILLER JOHN GETAL	01-10-52			
5	COASTAL FOREST RESOURCES CO	01-14-05			
T	COASTAL FOREST RESOURCES CO	01-14-04			
U	COASTAL FOREST RESOURCES CO	01-10-50			
V	COASTAL FOREST RESOURCES CO	01-14-03			
W	FLEMING DEAN & ETAL	01-10-48			
X	COASTAL FOREST RESOURCES CO	01-10-47			
Y	CAIN SAMUEL EST & CAIN GLEN JR	01-10-46			
Z	JARRELL WILMA & JEFFREY	01-10-45			
A2	YEATER CHESTER C JR & LORENE REVOCABLE TRUST	01-10-32			
B2	RICHTER ROMEY & CAROL	01-10-33.1			
CZ	SNIDER GARNET & HUGH	01-10-21			
D2	MILLS RITCHIE W & NELSON B	01-09-16			
E2	MILLS RITCHIE W & NELSON B	01-09-15			
F2	LEMASTERS HAROLD E & BETTY L	12-15-32			
G2	BROWN SANDY K	12-15-32			
H2	CHRISTY MICHAEL MJR ETAL & HALL SUSAN	12-15-27			
12	CHRISTY MICHAEL MIR ETAL & HALL SUSAN				
J2	PITOSCIA WILLIAM R	12-15-25			

04/21/2023

REVISIONS:	COMPANY:	SWN Production Company, LLC	SV Production C	Company To
	OPERATOR'S WELL #: 477-	WILLIAM RITCHEA 103-03575 210H	WTZ	DATE: 04-12-2023
	DISTRICT: PROCTOR	COUNTY: WETZEL	STATE: WV	DRAWN BY: N. MANO SCALE: N/A DRAWING NO: WELL LOCATION PLAT 2

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, 1 depose and say that I am the person who signed the Notice and Application for the Applicant, and that -

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

Lease Name or	America America	Letter 2 to 10 to	200	
Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page

See Exhibit "A"

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

*Horizontal well unit utilization - Subject to unitization filing with the West Virginia Oil and Gas Conservation Commission.

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

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

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

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

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

Attached to and made a part of the State of West Virginia Oil and Gas Form, WW-6A1, by SWN Production Company, L.L.C, as Operator
William Ritchea WTZ 210H
Wetzel County, West Virginia

1 12-15-21 1 12-15-22 1 12-1	#	ТМР	LESSOR	LESSEE	ROYALTY	BK/PG	Interest Not Leased by SWK Production Company, LLC
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EXHIBIT "A"

Attached to and made a part of the State of West Virginia Oil and Gas Form, WW-6A1, by SWN Production Company, L.L.C, as Operator William Ritchea WTZ 210H Wetzel County, West Virginia

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Sun Operating Limited Partnership, by Sun Exploration and Production Company, as its managing general partner Natmin Development Corporation Haddad and Brooks, Inc. Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC Statoil USA Onshore Properties, Inc.) Chesapeake Appalachia, LLC SWN Production Company, LLC Statoil USA Onshore Properties Inc. SWN Exchange Titleholder LLC (now SWN Production Company LLC) REGEIVED				-	
Exploration and Production Company, as its managing general partner Naturin Development Corporation Haddad and Brooks, Inc. Chesapeake Appalachia, LLC Statoil USA Onshore Properties, Inc. (now Equinor USA Onshore Properties, Inc.) Chesapeake Appalachia, LLC SWN Production Company, LLC Statoil USA Onshore Properties Inc.) SWN Exchange Titleholder LLC (now SWN Production 158A/801 Company LLC) REGEIVED					
Reneral partner Natmin Development Corporation Haddad and Brooks, Inc. Chesapeake Appalachia, LLC Statoil USA Onshore Properties, Inc.) Chesapeake Appalachia, LLC SWN Production Company, LLC Statoil USA Onshore Properties Inc. SWN Exchange Titleholder LLC (now SWN Production Company, LLC) RECEIVED	T	·		70A/265	
Natmin Development Corporation Haddad and Brooks, Inc. Chesapeake Appalachia, LLC SWN Production Company, LLC Statoil USA Onshore Properties Inc. SWN Exchange Titleholder LLC (now SWN Production Company LLC) RECEIVED	1				
Haddad and Brooks, Inc. Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC Statoil USA Onshore Properties, Inc. (now Equinor USA Onshore Properties, Inc.) Chesapeake Appalachia, LLC SWN Production Company, LLC Statoil USA Onshore Properties Inc. SWN Exchange Titleholder LLC (now SWN Production Company LLC) SECEIVED	The state of the s			***	
Chesapeake Appalachia, LLC Statoil USA Onshore Properties, Inc. (now Equinor USA Onshore Properties, Inc.) Chesapeake Appalachia, LLC SWN Production Company, LLC Statoil USA Onshore Properties Inc. SWN Exchange Titleholder LLC (now SWN Production Company LLC) SWN Exchange Titleholder LLC (now SWN Production REGEIVED	· ·			-	
Chesapeake Appalachia, LLC SWN Production Company, LLC 157A/540 Statoil USA Onshore Properties Inc. SWN Exchange Titleholder LLC (now SWN Production 158A/801 Company LLC) REGEIVED	1				L
Chesapeake Appalachia, LLC SWN Production Company, LLC 157A/540 Statoil USA Onshore Properties Inc. SWN Exchange Titleholder LLC (now SWN Production 158A/801 Company LLC) REGEIVED	chesqueene oppositified, LLC			1209(1)24/	21/2023
Statoil USA Onshore Properties Inc. SWN Exchange Titleholder LLC (now SWN Production 158A/801 Company LLC) REGEIVED	Chesaneake Appalachia 110				, _ 0 _ 0
Company LLC) RECEIVED					
	and the constant of the properties with			-	FIVED
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RECEIVED Office of Oil and Gas

Attached to and made a part of the State of West Virginia Oil and Gas Form, WW-6A1, by SWN Production Company, L.L.C., as Operator William Ritchea WTZ 210H Wetzel County, West Virginia

× 1	12-15-28 pt. A	Paul J. Shiben and Katherine Mensore, the surviving Executors of the estates, and under the wills, of	Haddad and Brooks, Inc.	15.00%	72A/467	0.0000%
		Joseph and Minnie Shiben, deceased, and Shiben Estates, Inc., C/O Paul J. Shiben				
- 1		Haddad and Brooks, Inc.			1	
- 1		Haddad and Brooks, Inc.	Chesapeake Appalachia, LLC		102A/302	
		Chesapeake Appalachia, LLC	Perkins Oil and Gas, Inc.		216A/94	
- 1		N. C.	Statoil USA Onshore Properties, Inc. (now Equinor USA Onshore Properties, Inc.)		120A/109	
- 4		Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540	
- 1		Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC (now SWN Production		158A/801	
- 1		Haddad and Brooks, Inc.	Company LLCI		25074502	
- 1		David E. Bowyer	SWN Production Company, LLC	18.00%	250A/221	
		EQT Production Company	EQT Production Company SWN Production Company, LLC and Equinor USA	18.00%	226A/10	
			Onshore Properties Inc. (formerly Statoil USA		240A/54	
3	17.15.20 0	No. of the second secon	Onshore Properties Inc 1			
3	12-15-28 pt. B	Harold H. Blake and/or Donna M. Blake, husband and wife	Haddad and Brooks, Inc.	12.50%	82A/107	0.0000%
		Haddad and Brooks, Inc., a/k/a Haddad & Brooks, Inc.	Chesaneake Appalachia 1 / C		Court Division 2	
			слезареаке арранастна, ССС.		104A/230	
		Chesapeake Appalachia, LLC	Statoil USA Onshore Properties, Inc. (now Equinor		120A/109	
- 1		23	USA Onshore Properties, Inc.)		1207/109	
		Chesaprake Appalachia, U.C.	SWN Production Company, LLC		157A/540	
		Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC (now SWN Production		158A/801	
		Rosalyn A. Metzger	Company (LC) SWN Production Company, LLC	10.000	2222 64	
		MBD Holdings, LP	SWN Production Company, LLC	18.00%	237A/26 237A/31	
		Rosalyn A. Metzger and Deborah Rein, Co-Trustees of	SWN Production Company, LLC	18.00%	237A/31 237A/36	
		the Siegler Family Trust	INCHA ALBANA	-4729	12.77.27	
4	12-15-29 pt. B	Deborah Rein	SWN Production Company, LLC	18.00%	237A/41	
	15-13-29 pt. B	Harold H. Blake and/or Donna M. Blake, husband and wife	Haddad and Brooks, Inc.	12.50%	82A/107	0.0000%
		Haddad and Brooks, Inc., a/k/a Haddad & Brooks, Inc.	Chesapeake Appalachia, L.L.C.		104A/230	
					1044/230	
		Chesapeake Appalachia, LLC	Statoil USA Onshore Properties, Inc. (now Equinor		120A/109	
- 1		Charles and Admittant to the	USA Onshore Properties, Inc.)		1000	
- 1		Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc.	SWN Production Company, LLC		157A/540	
		Toperus MC	SWN Exchange Titleholder LLC (now SWN Production Company LLC)		158A/801	
		Mary Ballouz Davis, a/k/a Mary B. Davis, a/k/a Mary	Chesapeake Appalachia, L.L.C.	17.00%	125A/628	
		M. Ballouz Davis, widow		- Charles	113/1/020	
		Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc. (now Equinor		139A/402	
		Chesaneake Annalashie III	USA Onshore Properties, Inc.)		100	
		Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc.	SWN Production Company, LLC		157A/540	
		and all the state of the	SWN Exchange Titleholder LLC (now SWN Production Company LLC)		158A/801	
		The Siegler Family Trust, by Rosalyn A. Metzger and	Chesapeake Appalachia, L.L.C.	17.00%	125A/633	
		Deborah Rein, acting as Trustees	1.4 - 1.2 - 1.4 - 1.4 - 1.4		22.0.64	
		Chesapeake Appalachia, LLC	Constitute Only to the Constitute of the Constit		about	
		Conceptant apparatille, LLL	Statoil USA Onshore Properties, Inc. (now Equinor USA Onshore Properties, Inc.)		139A/402	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540	
		Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC (now SWN Production		158A/801	
			Company LLC)		22.07.4.00.2	
		Rosalyn A. Metzger	Chesapeake Appalachia, L.L.C.	17.00%	125A/638	
		Chesapeake Appalachia, LLC	Statoil USA Onshore Properties, Inc. (now Equinor		139A/402	
		Chesapeake Appalachia, LLC	USA Onshore Properties, Inc.) SWN Production Company, LLC		agray for a	
		Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC (now SWN Production		157A/540 158A/801	
		200700000000000000000000000000000000000	Company LLC)		1304/001	
		Deborah Rein	Chesapeake Appalachia, LLC	17.00%	125A/643	
		Chesapeake Appalachia, L.L.C.	Statoll USA Onshore Properties, Inc. (now Equinor		139A/402	
		Chesapeake Appalachia, LLC	USA Onshore Properties, Inc.) SWN Production Company, LLC		APPA IP CO	
		Statoll USA Onshore Properties Inc.	SWN Exchange Titleholder LLC (now SWN Production		157A/540 158A/801	
	100		Company LLC)		130M/901	
4	12-15-29 pt. A	Paul J. Shiben and Katherine Mensore, the surviving.	Haddad and Brooks, Inc.	12.50%	72A/467	0.0000%
		Executors of the estates, and under the wills, of	1			3.2.37 417
		Joseph and Minnie Shiben, deceased, and Shiben Estates, Inc., C/O Paul J. Shiben				
		Comment with Land & Suidell				
		Haddad and Brooks, Inc.	Chesapeake Appalachia, LLC		102A/302	
		Haddad and Brooks, Inc.	Perkins Oil and Gas, Inc.		216A/94	
		Chesapeake Appalachia, LLC	Statoil USA Onshore Properties, Inc. (now Equinor		120A/109	
		Chesapeake Appalachia, LLC	USA Onshare Properties, Inc.)		Sept. 6-14	
		Statoil USA Onshore Properties Inc.	SWN Production Company, LLC SWN Exchange Titleholder LLC (now SWN Production		157A/540 158A/801	
		The second secon	Company LLC)		158A/801	
		0.464 32 33			04/1	1/2023
		Haddad and Brooks, Inc.	SWN Production Company, LLC	18.00%	250A/221	. 1/2023
		David E. Bowyer EQT Production Company	EQT Production Company	18.00%	226A/10	
			SWN Production Company, LLC and Equinor USA Onshore Properties Inc. (formerly Statoil USA		240A/54	
			Onshore Properties (nc.)	MARK W.	100	
5	1-10-22 pt. A	Royalty Owner(s)	N/A	RECE	M/PC)	

Attached to and made a part of the State of West Virginia Oil and Gas Form, WW-6A1, by SWN Production Company, L.L.C, as Operator William Ritchea WTZ 210H
Wetzel County, West Virginia

William R. Gaddis, by David A. Gaddis, Executor	Haddad and Brooks, Inc.	12.50%	84A/35
Haddad and Brooks, Inc. Chesapeake Appalachia, LLC	Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. (now Equinor USA		104A/230 120A/109
Chesapeake Appalachia, LLC	Onshore Properties Inc.) SWN Production Company, LLC		157A/540
Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder, LEC (now SWN Production Company, LLC)		158A/801
William J. Grubbs and Janet C. Grubbs, husband and wife	Chesapeake Appalachia, LLC	17.00%	130A/559
Chesapeake Appalachia, U.C	Statoli USA Onshore Properties Inc. (now Equinor USA		138A/618
Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc.	Onshore Properties Inc.) SWN Production Company, LLC		157A/540
	SWN Exchange Titleholder, LLC (now SWN Production Company, LLC)		158A/801
William J. Hafl, a married man dealing in his sole and separate property	SWN Production Company, LLC	16.00%	166A/924
SWN Production Company, LLC	Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.)		174A/544
Robert Richmond and Virginia Richmond, husband and wife	SWN Production Company, ELC	16.00%	167A/463
SWN Production Company, LLC	Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.)		178A/221
Vera Jean Rutan, a single woman	SWN Production Company, LLC	18.00%	237A/1 6 0
George Ray Lemiey	Haddad and Brooks, Inc.	12.50%	79A/194
Haddad and Brooks, Inc. Chesapeake Appalachia, LLC	Chesapeake Appalachia, LLC		104A/230
	Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.)		120A/109
Chesapeake Appalachia, LLC	Onshore Properties Inc.) SWN Production Company, LLC		1574/540
Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder, LLC (now SWN Production Company, LLC)		157A/540 158A/801
Frudy L. Burke and Paul B. Burke, wife and husband	SWN Production Company, LLC	18.00%	247A/911
Tomi A. Skeens, a married woman dealing in her sole and separate property	SWN Production Company, LLC	18.00%	229A/710
Timothy James Lemasters and Brandi Lee Lemasters, husband and wife	SWN Production Company, LLC	18.00%	235A/604
farmmy L. Lemasters, a single woman	SWN Production Company, LLC	18.00%	232A/62
uzette Station, a single woman	SWN Production Company, LLC	15.00%	168A/630
WN Production Company, LLC	Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.)	10.00%	174A/544
usan J. Lemasters, a single woman	SWN Production Company, LLC	18.00%	229A/722
tephen Guy Pettit and Sarah Pettit, husband and	SWN Production Company, LLC	16.00%	167A/430
ife WN Production Company, LLC	Statoil USA Onshore Properties Inc. (now Equinor USA		174A/544
Sherry L. Miga, a single woman	Onshore Properties Inc.) SWN Production Company, LLC	18.00%	229A/88
haron L. Mick, a married woman dealing in her sole and separate property	SWN Production Company, LLC	18.00%	233A/S50
iarah Jean Rush, a widow	Chesapeake Appalachia LLC	17.00%	128A/891
Chesapeake Appalachia, LLC	Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.)	27.2070	149A/865
Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc.	SWN Production Company, LLC SWN Exchange Titleholder, LLC (now SWN Production Company, LLC)		157A/540 158A/801
Sandra L. Richie	Haddad and Brooks, Inc.	12.50%	79A/202
Haddad and Brooks, Inc.	Chesapeake Appalachia, LLC		104A/230
Chesapeake Appalachía, LLC	Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.)		120A/109
Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc.	SWN Production Company, LLC		157A/540
	SWN Exchange Titleholder, LLC (now SWN Production Company, LLC)		158A/801
ohn T. Damer and Sandra L. Darner, husband and vife	SWN Production Company, LLC	18.00%	232A/349
iamuel J. Wood, a married man, dealing in his sole and separate property	SWN Production Company, LLC	18.00%	199A/493
WN Production Company, LLC amuel Burton and Joyce K. Burton, husband and wife	Equinor USA Onshore Properties, Inc. SWN Production Company, LLC	16.00%	228A/409 167A/442
WN Production Company, LLC	Statoll USA Onshore Properties Inc. (now Equinor USA	20.02.0	174A/544
oth E. Massey, a married woman dealing in her sole	Onshore Properties Inc.) SWN Production Company, LLC	18.00%	247A/897
nd separate property oy Dale Wood and Junie Malia Wood, husband and	SWN Production Company, LLC	18.00%	231A/564
osemary A. Douglas, a widow	SWN Production Company, LLC	18.00%	2294/704
ose Marie Lemasters-Juresko, a widow, by her ttorney in Fact, Linda D. McPherson	SWN Production Company, LLC	18.00%	229A/704 229A/82
Ronald Hall, a single man	SWN Production Company, LLC	16.00%	1554 040
WN Production Company, LLC	Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.)	10.00%	166A/919 178A/221
oberta M. Rinaldi a/k/a Robin M. Rinaldi, a married woman dealing in her sole and separate property	SWN Production Company, LLC	18.00%	238A/250
	*		1
lichard J. Colvin & Jane A. Colvin, his wife	SWN Production Company, LLC	18.00%	TEASAVY 53

Attached to and made a part of the State of West Virginia Oil and Gas Form, WW-6A1, by SWN Production Company, L.L.C, as Operator William Ritchea WTZ 210H
Wetzel County, West Virginia

ex D. Foster, a single man	SWN Production Company, LLC	16.00%	240A/726	
ebecca Massey, a married woman dealing in her sole		17.00%	132A/871	
nd separate property				
nesapeake Appalachia, LLC	Statoil USA Onshore Properties Inc. (now Equinor USA		138A/618	
nesapeake Appalachia, LLC	Onshore Properties Inc.) SWN Production Company, LLC		1574/546	
atoil USA Onshore Properties Inc.	SWN Exchange Titleholder, LLC (now SWN Production		157A/540 158A/801	
and surface populates sic.	Company, LLC)		1384/801	
lymond Clayton, a widower	SWN Production Company, LLC	16.00%	167A/4S7	
NN Production Company, LLC	Statoil USA Onshore Properties Inc. (now Equinor USA		174A/544	
	Onshore Properties Inc.)			
ay Eflwood Blake, II, a married man dealing in his	SWN Production Company, LLC	18.00%	221A/934	
ple and separate property alph Clayton and Sara Clayton, husband and wife	Cit/Al Flore disselves Communication	10 800	4674/460	
siph Gayton and Sara Gayton, Rusband and wife	SWN Production Company, LLC	16.00%	167A/460	
WN Production Company, LLC	Stateil USA Onshore Properties Inc. (now Equinor USA		174A/544	
	Onshore Properties Inc.)		21-14/2-14	
erkins Oil & Gas, Inc., a West Virginia corporation	SWN Production Company, LLC	18.00%	249A/159	
aula Kay Zukoff Romanoski, a married woman,	SWN Production Company, LLC	18.00%	199A/665	
ealing in her sole and separate property				
WN Production Company, LLC	Equinor USA Onshore Properties, Inc.		228A/409	
aul Douglas Lemasters and April L. Lemasters,	SWN Production Company, LLC	18.00%	234A/841	
usband and wife	, , , , , , , , , , , , , , , , , , ,	10.00%	23474042	
atty A. Balwanz & Robert J. Balwanz, wife and	SWN Production Company, LLC	18.00%	248A/739	
usband				
atricia A. Wallace, a single woman	SWN Production Company, LLC	18.00%	230A/535	
amela J. Lemasters, f/k/a Pamela J. Lemasers-Putt, a	SWIN Production Company, LLC	18.00%	231A/356	
ingle woman amela Ann Frabell, a married woman, dealing in her	SWN Production Company 11C	18.00%	238A/255	
ameia Ann Frabell, a married woman, bealing in ner ble and separate property	See a Production Company, LCC	10.00%	43644/233	
kia Dale Burton and Shirley Burton, husband and	SWN Production Company, LLC	16.00%	167A/436	
ife	[1	
WN Production Company, LLC	Statoil USA Onshore Properties Inc. (now Equinor USA)		174A/544	
	Onshore Properties Inc.)			
ticole Lee Jackson, a married woman dealing in her	SWN Production Company, LLC	18.00%	227A/729	
ole and separate property	COUNT Production Community LCC	10.000	224.4 (225	
leita M. Pound, a single woman lancy Grubbs Burford, a widow	SWN Production Company, LLC Chesapeake Appalachia LLC	18.00% 17.00%	231A/326 130A/842	
thesapeake Appalachia, LLC	Statoil USA Onshore Properties Inc. (now Equinor USA	17.00%	138A/618	
,	Onshore Properties Inc.)		,	
Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540	
itatoil USA Onshore Properties Inc.	SWN Exchange Titleholder, LLC (now SWN Production		158A/801	
	Company, LLC)			
Michael Withrow, a married man dealing in his sole	Chesapeake Appalachia LLC	17.00%	134A/520	
and separate property Chesapeake Appalachia, LLC	Statoil USA Onshore Properties Inc. (now Equinor USA		143A/285	
and appeared appropriate sec	Onshore Properties Inc.)		143/4/283	
Thesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540	
Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder, LLC (now SWN Production		158A/801	
	Company, LLC)			
Michael Richey, a married man dealing in his sole and	SWN Production Company, LLC	18.00%	237A/825	
separate property Michael K. Shartiger and Carmen Shartiger, husband	SWN Production Company, U.C	18.00%	231A/570	
and wife	этт гтооскоп сотрану, ссе	10,0070	2524570	
Michael G. Lemasters, a single man	SWN Production Company, LLC	18.00%	207A/673	
SWN Production Company, LLC	Equinor USA Onshore Properties, Inc.		240A/712	
Patricia J. Silvis and Melvine E. Silvis, her husband	Chesapeake Appalachia LLC	17.00%	128A/901	
Chesapeake Appalachia, LLC	Statoll USA Onshore Properties Inc. (now Equinor USA		149A/865	
Cheraneako Annalachia II.C	Onshore Properties Inc.)		1574/540	
Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc.	SWN Production Company, LLC SWN Exchange Titleholder, LLC (now SWN Production		157A/540 158A/801	
staton our originale Properties 11%.	Company, LLC:		1304/901	
Mary Jane Poleski, a widow	Chesapeake Appalachia LLC	17.00%	128A/886	
Chesapeake Appalachia, LLC	Statoil USA Onshore Properties Inc. (now Equinor USA		149A/865	
	Onshore Properties Inc.)] [
Chesapeake Appalachia, U.C	SWN Production Company, LLC		157A/540	
Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder, LLC (now SWN Production		158A/801	
Charles Spaine and Mary E. Spaine, husband and wife	Company, LLC)	16.00%	168A/633	
	The state of the s	20.0070	1 2007/053	
SWN Production Company, LLC	Statoil USA Onshore Properties Inc. (now Equinor USA		174A/544	
	Onshore Properties Inc.)			
Marta Jo Zukoff Thomas,a married woman, dealing i	SWN Production Company, LLC	18.00%	199A/499	
her sole and separate property	L			
SWN Production Company, LLC	Equinor USA Onshore Properties, Inc.	45 854	228A/409	
Michael Ray Barrett and Mary Barrett, husband and	SWN Production Company, LLC	16.00%	166A/910	
wife SWN Production Company, LLC	Statoil USA Onshore Properties Inc. (now Equinor USA		1784/920 /	1000
and the second s	Onshore Properties Inc.)		17840741/21/	1202
sand F Black and and an advance to break and	SWN Production Company, LLC	18.00%	231A/344	
Mark E. Riter, a married man dealing in his sole and	· "	Ī	1	
separate property				
separate property Marilyn P. Dehart, a single woman	SWN Production Company, LLC	18.00%	201A/779	
separate property Marilyn P. Dehart, a single woman		18.00%		
separate property	SWN Production Company, LLC Equinor USA Onshore Properties, Inc.	18.00% 16.00% (E-C	2284/409	

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Attached to and made a part of the State of West Virginia Oil and Gas Form, WW-6A1, by SWN Production Company, L.L.C, as Operator William Ritchea WTZ 210H Wetzel County, West Virginia

SWN Production Company, LLC	Statoil USA Onshore Properties Inc. (now Equinor USA		178A/221
	Onshore Properties Inc.)		
Equinor USA Onshore Properties Inc.	SWN Production Company, LLC		228A/656
Marian Franzi, a widow	SWN Production Company, LLC	18.00%	236A/570
Margaret L. Chambers, a single woman	SWN Production Company, LLC	18.00%	203A/817
SWN Production Company, LLC	Equinor USA Onshore Properties, Inc.		228A/409
Lou Ann Douglas, a widow	SWN Production Company, LLC	18.00%	233A/943
Lisa M. Barrile & Jeffrey V. Barrite, wife and husband	SWN Production Company, LLC	18.00%	237A/172
Lisa J. Gibson, a married woman dealing in her sole and separate property	SWN Production Company, LLC	18.00%	237A/178
Linda Stevens and Alfred Stevens, wife and husband	SWN Production Company, LLC	18.00%	188A/116
SWN Production Company, LLC	Equinor USA Onshore Properties, Inc.		228A/409
Linda Stansberry, a single woman	SWN Production Company, LLC	18.00%	223A/208
James E. Barr and Linda Barr, husband and wife	SWN Production Company, LLC	16.00%	167A/451
SWN Production Company, LLC	Statoil USA Onshore Properties Inc. (now Equinor USA		174A/544
Lee Roy Lemasters, Jr., a single man, by his Attorney-	Onshore Properties Inc.) SWN Production Company, LLC	18.00%	231A/332
in-Fact Neita M. Pound	. "		
Lee R. Lemasters and Carla J. Lemasters, husband and wife	SWN Production Company, LLC	18.00%	231A/362
Lawrence Jay Lemasters & Rebecca Lemasters, husband and wife	SWN Production Company, LLC	18.00%	249A/757
Lawrence Brock Hawkins, a married man dealing in	SWN Production Company, LLC	18.00%	233A/932
his sole and separate property Kristina D. Marks and Joshua A. Marks, wife and	SWN Production Company, LLC	18.00%	239A/656
husband			
Kimberly A. Hill, a widow	SWN Production Company, LLC	18.00%	233A/562
Kevin Lemasters and Sandra C. Lemasters, husband and wife	SWN Production Company, LLC	18.00%	234A/853
Kelly J. Wooley, a married woman dealing in her sole and separate property	SWN Production Company, LLC	18.00%	224A/484
Keith J. Lemasters and Gloria S. Lemasters, husband and wife	SWN Production Company, LLC	18.00%	231A/350
Kathleen M. Wilson, a widow	SWN Production Company, LLC	18.00%	234A/877
Karen Jane Mcafoos f/k/a Karen Jane Sauder, a	SWN Production Company, LLC	18.00%	236A/49
married woman dealing In her sole and separate property	,	10.0070	
Karen G. Kuhn a/k/a Karen Harbert Kuhn, a widow	SWN Production Company, LLC	18.00%	194A/936
SWN Production Company, LLC	Equinor USA Onshare Properties, Inc.		215A/650
Joseph F. Frey and Judy Ann Frey, husband and wife	SWN Production Company, LLC	16.00%	167A/433
SWN Production Company, LLC	Statoil USA Onshore Properties Inc. (now Equinor USA		174A/544
Juanita Lee Meekins, a married woman dealing in her	Onshore Properties Inc.) SWN Production Company, LLC	18.00%	235A/592
sole and separate property			
Vincent Goff and Joyce Goff, husband and wife	SWN Production Company, LLC	16.00%	166A/916
SWN Production Company, LLC	Statoil USA Onshore Properties Inc. (now Equinor USA		182A/825
Ioura Ann Lamastare a midem	Onshore Properties Inc.)	10 005	2244/502
Joyce Ann Lemasters, a widow Joseph Matthew Stocklash & Rhonda Stocklask,	SWN Production Company, LLC SWN Production Company, LLC	18.00% 16.00%	234A/593
husband and wife	SAM Production Company, ECC	10.00%	168A/627
SWN Production Company, LLC	Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.)		174A/54 4
Jonathan S. Lemasters, a married man dealing in his sole and separate property	SWN Production Company, LLC	18.00%	236A/345
Jonathan Kent Wood, a married man dealing in his	Chesapeake Appalachia LLC	18.00%	140A/696
sole and separate property			l I
Chesapeake Appalachia, LLC	SWN Production Company, LLC	10.000	157A/540
Jonah Schartiger, a single man	SWN Production Company, LLC	18.00%	246A/920
John K. Hill, a married man, dealing in his sole and separate property	SWN Production Company, LLC	18.00%	201A/773
SWN Production Company, LLC	Equinor USA Onshore Properties, Inc.		228A/409
John David Rush and Judith Rush, husband and wife	SWN Production Company, LLC	16.00%	166A/904
SWN Production Company, LLC	Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.)		178A/221
SWN Production Company, LLC	Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.)		182A/825
Equinor USA Onshore Properties Inc.	SWN Production Company, LLC		228A/656
Jerrold A. Franzi and Deborah L. Franzi, husband and	SWN Production Company, LLC	18.00%	232A/56
wife			
Jay Howard Millard, a married man dealing in his sole	SWN Production Company, LLC	18.00%	231A/338
and separate property			
Jason James Blake and Sarah E. Cobbs, husband and wife	SWN Production Company, LLC	18.00%	²²⁵ 404/21/2023
James Withrow, a married man dealing in his sole and	Chesapeake Appalachia LLC	17.00%	132A/752
separate property Chesapeake Appalachia, LLC	Statoll USA Onshore Properties Inc. (now Equinor USA		138A/618
	Onshore Properties Inc.)		
Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540

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Office of Oil and Gas

Attached to and made a part of the State of West Virginia Oil and Gas Form, WW-6A1, by SWN Production Company, L.L.C, as Operator William Ritchea WTZ 210H Wetzel County, West Virginia

Statoil USA Onshore Properties Inc.			
James P. Jackson, a steele way	SWN Exchange Titleholder, LLC (now SWN Production Company, LLC)		158A/801
James R. Jackson, a single man	SWN Production Company, LLC	19 000	1974/705
James Jim Burton and Tammy Lynn Burton, husband	SWN Production Company, LLC	18.00%	227A/735
and wife	3444 Production Company, LLC	15.00%	167A/445
SWN Production Company, LLC	Statoil USA Onshore Properties Inc. (now Equinor USA		174A/544
James H. Buch	Onshore Properties Inc.)		
James H. Rush	Haddad and Brooks, Inc.	12.50%	79A/198
Haddad and Brooks, Inc.	Chesapeake Appalachia, LLC		104A/230
Chesapeake Appalachia, LLC	Statoil USA Onshore Properties Inc. (now Equinor USA		120A/109
	Onshore Properties Inc.)		,
Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540
Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder, LLC (now SWN Production		158A/801
	Company, LLC)		
James F. Snider, a married man dealing in his sole and	SWN Production Company, LLC	18.00%	223A/653
separate property	, , , , , , , , , , , , , , , , , , , ,	***************************************	1237033
Jack D. White, a single man	SWN Production Company, LLC	18.00%	232A/355
Holly Hall Hatley, a single woman	SWN Production Company, LLC	18.00%	
Robert L. Colvin, a widower	SWN Production Company, LLC	18.00%	238A/22
Allie Virginia Hall, by Billie Jo Beegle, as her Attorney-	SWN Production Company, LLC		249A/165
in-Fact	2444 Froduction Company, ECC	16.00%	168A/636
SWN Production Company, LLC	State of LICA Contact Production In the Cont		
JANA TO GOLDS IT COMPANY, ECC.	Statoil USA Onshore Properties Inc. (now Equinor USA		174A/544
Harold B. Lamastone Jr. a with war	Onshore Properties Inc.)		1
Harold R. Lemasters, Jr., a widower	SWN Production Company, LLC	18.00%	240A/6
Harlan C. Wood and Mary L. Wood, husband and wife	SWN Production Company, LLC	16.00%	166A/901
	[1
SWN Production Company, LLC	Statoil USA Onshore Properties Inc. (now Equinor USA		178A/221
	Onshore Properties Inc.)		
SWN Production Company, LLC	Statoil USA Onshore Properties Inc. (now Equinor USA		182A/825
	Onshore Properties Inc.)		20274 023
Equinor USA Onshore Properties Inc.	SWN Production Company, LLC		228A/656
Guy Elery Hawkins, a single man	SWN Production Company, LLC	16 000	
SWN Production Company, LLC	Statoil USA Onshore Properties Inc. (now Equinor USA	16.00%	170A/469
Trivia de la company, acc			182A/825
Gregory Paul Wood, a single man	Onshore Properties Inc.)		
	Chesapeake Appalachia LLC	18.00%	140A/252
Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540
Geraldine Jackson, a single woman	Chesapeake Appalachia LLC	17.00%	132A/742
Chesapeake Appalachia, LLC	Statoil USA Onshore Properties Inc. (now Equinor USA		138A/618
	Onshore Properties Inc.)		
Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540
Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder, LLC (now SWN Production		158A/801
•	Company, LLC)		1304/601
Gerald Brett Hawkins and Julie A. Hawkins, husband	SWN Production Company, LLC	16.004	1504/504
and wife	SAME PRODUCTION COMPANY, EEC.	16.00%	168A/624
SWN Production Company, LLC	Served NGA Chebana December 1-1 (many 5-1)		
January, LLC	Statoil USA Onshore Properties Inc. (now Equinor USA		174A/544
George Thomas Soon, a single man	Onshore Properties Inc.)		
George Thomas Sapp, a single man Gary Deffenbaugh and Virginia M. Deffenbaugh.	SWN Production Company, LLC	18.00%	233A/556
	SWN Production Company, LLC	18.00%	237A/190
husband and wife			
Gale Lee Hall, a married woman dealing in her sole	SWN Production Company, LLC	18.00%	247A/904
and separate property			
Frank Anthony Stocklask, a single man	SWN Production Company, LLC	16.00%	167A/427
SWN Production Company, LLC	Statoil USA Onshore Properties Inc. (now Equinor USA		174A/544
	Onshare Properties Inc.)		,
Kermit E. Persinger and Frances Persinger, husband	SWN Production Company, LLC	16.00%	167A/454
and wife		20.0074	10/7434
	Statoil USA Onshore Properties Inc. (now Equinor USA		4744 5744
SWN Production Company, LLC	Onshore Properties Inc.)		174A/544
SWN Production Company, LLC			
		10.000	****
Edith A. Douglas, a widow	SWN Production Company, LLC	18.00%	230A/529
Edith A. Douglas, a widow Douglas Edward Wood & Shelly Lynn Wood, husband		18.00% 18.00%	230A/529 222A/774
Edith A. Douglas, a widow Douglas Edward Wood & Shelly Lynn Wood, husband and wife	SWN Production Company, LLC SWN Production Company, LLC		222A/774
Edith A. Douglas, a widow Douglas Edward Wood & Shelly Lynn Wood, husband and wife SWN Production Company, LLC	SWN Production Company, LLC SWN Production Company, LLC Equinor USA Onshore Properties, Inc.	18.00%	222A/774 240A/712
Edith A. Douglas, a widow Douglas Edward Wood & Shelly Lynn Wood, husband and wife SWN Production Company, LLC Douglas Charles Wood	SWN Production Company, LLC SWN Production Company, LLC Equinor USA Onshore Properties, Inc. Chesapeake Appalachia LLC		222A/774
Edith A. Douglas, a widow Douglas Edward Wood & Shelly Lynn Wood, husband and wife SWN Production Company, LLC	SWN Production Company, LLC SWN Production Company, LLC Equinor USA Onshore Properties, Inc. Chesapeake Appalachia LLC Statoil USA Onshore Properties Inc. (now Equinor USA	18.00%	222A/774 240A/712
Edith A. Douglas, a widow Douglas Edward Wood & Shelly Lynn Wood, husband and wife SWN Production Company, LLC Douglas Charles Wood Chesapeake Appalachia, LLC	SWN Production Company, LLC SWN Production Company, LLC Equinor USA Onshore Properties, Inc. Chesapeake Appalachia LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.)	18.00%	222A/774 240A/712 140A/691
Edith A. Douglas, a widow Douglas Edward Wood & Shelly Lynn Wood, husband and wife SWN Production Company, LLC Douglas Charles Wood Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC	SWN Production Company, LLC SWN Production Company, LLC Equinor USA Onshore Properties, Inc. Chesapeake Appalachia LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) SWN Production Company, LLC	18.00%	222A/774 240A/712 140A/691 149A/261
Edith A. Douglas, a widow Douglas Edward Wood & Shelly Lynn Wood, husband and wife SWN Production Company, LLC Douglas Charles Wood Chesapeake Appalachia, LLC	SWN Production Company, LLC SWN Production Company, LLC Equinor USA Onshore Properties, Inc. Chesapeake Appalachia LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) SWN Production Company, LLC	18.00%	222A/774 240A/712 140A/691 149A/261
Edith A. Douglas, a widow Douglas Edward Wood & Shelly Lynn Wood, husband and wife SWN Production Company, LLC Douglas Charles Wood Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC	SWN Production Company, LLC SWN Production Company, LLC Equinor USA Onshore Properties, Inc. Chesapeake Appalachia LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) SWN Production Company, LLC SWN Exchange Titleholder, LLC (now SWN Production)	18.00%	222A/774 240A/712 140A/691 149A/261
Edith A. Douglas, a widow Douglas Edward Wood & Shelly Lynn Wood, husband and wife SWN Production Company, LLC Douglas Charles Wood Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC	SWN Production Company, LLC SWN Production Company, LLC Equinor USA Onshore Properties, Inc. Chesapeake Appalachia LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) SWN Production Company, LLC SWN Exchange Titleholder, LLC (now SWN Production Company, LLC)	18.00%	222A/774 240A/712 140A/691 149A/261 157A/540 158A/801
Edith A. Douglas, a widow Douglas Edward Wood & Shelly Lynn Wood, husband and wife SWN Production Company, LLC Douglas Charles Wood Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Donna Sue Stevenson, a married woman dealing in	SWN Production Company, LLC SWN Production Company, LLC Equinor USA Onshore Properties, Inc. Chesapeake Appalachia LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) SWN Production Company, LLC SWN Exchange Titleholder, LLC (now SWN Production)	18.00%	222A/774 240A/712 140A/691 149A/261
Edith A. Douglas, a widow Douglas Edward Wood & Shelly Lynn Wood, husband and wife SWN Production Company, LLC Douglas Charles Wood Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Donna Sue Stevenson, a married woman dealing in her sole and separate property	SWN Production Company, LLC SWN Production Company, LLC Equinor USA Onshore Properties, Inc. Chesapeake Appalachia LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) SWN Production Company, LLC SWN Exchange Titleholder, LLC (now SWN Production Company, LLC) SWN Production Company, LLC	18.00% 18.00%	222A/774 240A/712 140A/691 149A/261 157A/540 158A/801 229A/716
Edith A. Douglas, a widow Douglas Edward Wood & Shelly Lynn Wood, husband and wife SWN Production Company, LLC Douglas Charles Wood Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Donna Sue Stevenson, a married woman dealing in her sole and separate property Marlene Louise Gardner, a widow	SWN Production Company, LLC SWN Production Company, LLC Equinor USA Onshore Properties, Inc. Chesapeake Appalachia LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) SWN Production Company, LLC SWN Exchange Titleholder, LLC (now SWN Production Company, LLC) SWN Production Company, LLC Chesapeake Appalachia LLC	18.00%	222A/774 240A/712 140A/691 149A/261 157A/540 158A/801 229A/716
Edith A. Douglas, a widow Douglas Edward Wood & Shelly Lynn Wood, husband and wife SWN Production Company, LLC Douglas Charles Wood Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Donna Sue Stevenson, a married woman dealing in her sole and separate property	SWN Production Company, LLC SWN Production Company, LLC Equinor USA Onshore Properties, Inc. Chesapeake Appalachia LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) SWN Production Company, LLC SWN Exchange Titleholder, LLC (now SWN Production Company, LLC) SWN Production Company, LLC Chesapeake Appalachia LLC Statoil USA Onshore Properties Inc. (now Equinor USA)	18.00% 18.00%	222A/774 240A/712 140A/691 149A/261 157A/540 158A/801 229A/716
Edith A. Douglas, a widow Douglas Edward Wood & Shelly Lynn Wood, husband and wife SWN Production Company, LLC Douglas Charles Wood Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Donna Sue Stevenson, a married woman dealing in her sole and separate property Marlene Louise Gardner, a widow Chesapeake Appalachia, LLC	SWN Production Company, LLC SWN Production Company, LLC Equinor USA Onshore Properties, Inc. Chesapeake Appalachia LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) SWN Production Company, LLC SWN Exchange Titleholder, LLC (now SWN Production Company, LLC) SWN Production Company, LLC SWN Production Company, LLC Chesapeake Appalachia LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.)	18.00% 18.00%	222A/774 240A/712 140A/691 149A/261 157A/540 158A/801 229A/716 128A/896 149A/865
Edith A. Douglas, a widow Douglas Edward Wood & Shelly Lynn Wood, husband and wife SWN Production Company, LLC Douglas Charles Wood Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Donna Sue Stevenson, a married woman dealing in her sole and separate property Marlene Louise Gardner, a widow Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC	SWN Production Company, LLC SWN Production Company, LLC Equinor USA Onshore Properties, Inc. Chesapeake Appalachia LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) SWN Production Company, LLC SWN Exchange Titleholder, LLC (now SWN Production Company, LLC) SWN Production Company, LLC Chesapeake Appalachia LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) SWN Production Company, LLC	18.00% 18.00%	222A/774 240A/712 140A/691 149A/261 157A/540 158A/801 229A/716 128A/896 149A/865 157A/540
Edith A. Douglas, a widow Douglas Edward Wood & Shelly Lynn Wood, husband and wife SWN Production Company, LLC Douglas Charles Wood Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Donna Sue Stevenson, a married woman dealing in her sole and separate property Marlene Louise Gardner, a widow Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc.	SWN Production Company, LLC SWN Production Company, LLC Equinor USA Onshore Properties, Inc. Chesapeake Appalachia LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) SWN Production Company, LLC SWN Exchange Titleholder, LLC (now SWN Production Company, LLC) SWN Production Company, LLC Chesapeake Appalachia LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) SWN Production Company, LLC SWN Production Company, LLC	18.00% 18.00% 18.00%	222A/774 240A/712 140A/691 149A/261 157A/540 158A/801 229A/716 128A/896 149A/865 157A/540 158A/801
Edith A. Douglas, a widow Douglas Edward Wood & Shelly Lynn Wood, husband and wife SWN Production Company, LLC Douglas Charles Wood Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC Statoif USA Onshore Properties Inc. Donna Sue Stevenson, a married woman dealing in her sole and separate property Marlene Louise Gardner, a widow Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Diana Whitlatch and Sam E. Whitlatch, wife and	SWN Production Company, LLC SWN Production Company, LLC Equinor USA Onshore Properties, Inc. Chesapeake Appalachia LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) SWN Production Company, LLC SWN Exchange Titleholder, LLC (now SWN Production Company, LLC) SWN Production Company, LLC Chesapeake Appalachia LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) SWN Production Company, LLC	18.00% 18.00%	222A/774 240A/712 140A/691 149A/261 157A/540 158A/801 229A/716 128A/896 149A/865 157A/540
Edith A. Douglas, a widow Douglas Edward Wood & Shelly Lynn Wood, husband and wife SWN Production Company, LLC Douglas Charles Wood Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Donna Sue Stevenson, a married woman dealing in her sole and separate property Marlene Louise Gardner, a widow Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Diana Whitlatch and Sam E. Whitlatch, wife and husband	SWN Production Company, LLC SWN Production Company, LLC Equinor USA Onshore Properties, Inc. Chesapeake Appalachia LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) SWN Production Company, LLC SWN Exchange Titleholder, LLC (now SWN Production Company, LLC) SWN Production Company, LLC Chesapeake Appalachia LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	18.00% 18.00% 18.00%	222A/774 240A/712 140A/691 149A/261 157A/540 158A/801 229A/716 128A/896 149A/865 157A/540 158A/801
Edith A. Douglas, a widow Douglas Edward Wood & Shelly Lynn Wood, husband and wife SWN Production Company, LLC Douglas Charles Wood Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC Statoif USA Onshore Properties Inc. Donna Sue Stevenson, a married woman dealing in her sole and separate property Marlene Louise Gardner, a widow Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Diana Whitlatch and Sam E. Whitlatch, wife and	SWN Production Company, LLC SWN Production Company, LLC Equinor USA Onshore Properties, Inc. Chesapeake Appalachia LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) SWN Production Company, LLC SWN Exchange Titleholder, LLC (now SWN Production Company, LLC) SWN Production Company, LLC Chesapeake Appalachia LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Statoil USA Onshore Properties Inc. (now Equinor USA)	18.00% 18.00% 18.00%	222A/774 240A/712 140A/691 149A/261 157A/540 158A/801 229A/716 128A/896 149A/865 157A/540 158A/801
Edith A. Douglas, a widow Douglas Edward Wood & Shelly Lynn Wood, husband awife SWN Production Company, LLC Douglas Charles Wood Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Donna Sue Stevenson, a married woman dealing in her sole and separate property Marlene Louise Gardner, a widow Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Diana Whitlatch and Sam E. Whitlatch, wife and husband SWN Production Company, LLC	SWN Production Company, LLC SWN Production Company, LLC Equinor USA Onshore Properties, Inc. Chesapeake Appalachia LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) SWN Production Company, LLC SWN Exchange Titleholder, LLC (now SWN Production Company, LLC) SWN Production Company, LLC Chesapeake Appalachia LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.)	18.00% 18.00% 18.00%	222A/774 240A/712 140A/691 149A/261 157A/540 158A/801 229A/716 128A/896 149A/865 157A/540 158A/801 167A/466
Edith A. Douglas, a widow Douglas Edward Wood & Shelly Lynn Wood, husband and wife SWN Production Company, LLC Douglas Charles Wood Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Donna Sue Stevenson, a married woman dealing in her sole and separate property Marlene Louise Gardner, a widow Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Diana Whitlatch and Sam E. Whitlatch, wife and husband	SWN Production Company, LLC SWN Production Company, LLC Equinor USA Onshore Properties, Inc. Chesapeake Appalachia LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) SWN Production Company, LLC SWN Exchange Titleholder, LLC (now SWN Production Company, LLC) SWN Production Company, LLC Chesapeake Appalachia LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.)	18.00% 18.00% 18.00% 17.00%	222A/774 240A/712 140A/691 149A/261 157A/540 158A/801 229A/716 128A/896 149A/865 157A/540 158A/801 167A/466 174A/544
Edith A. Douglas, a widow Douglas Edward Wood & Shelly Lynn Wood, husband awife SWN Production Company, LLC Douglas Charles Wood Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Donna Sue Stevenson, a married woman dealing in her sole and separate property Marlene Louise Gardner, a widow Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Diana Whitlatch and Sam E. Whitlatch, wife and husband SWN Production Company, LLC	SWN Production Company, LLC SWN Production Company, LLC Equinor USA Onshore Properties, Inc. Chesapeake Appalachia LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) SWN Production Company, LLC SWN Exchange Titleholder, LLC (now SWN Production Company, LLC) SWN Production Company, LLC Chesapeake Appalachia LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.)	18.00% 18.00% 18.00%	222A/774 240A/712 140A/691 149A/261 157A/540 158A/801 229A/716 128A/896 149A/865 157A/540 158A/801 167A/466
Edith A. Douglas, a widow Douglas Edward Wood & Shelly Lynn Wood, husband and wife SWN Production Company, LLC Douglas Charles Wood Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Donna Sue Stevenson, a married woman dealing in her sole and separate property Marlene Louise Gardner, a widow Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Diana Whitlatch and Sam E. Whitlatch, wife and husband SWN Production Company, LLC Dennis D. Schopper, a married man dealing in his sole and separate property	SWN Production Company, LLC SWN Production Company, LLC Equinor USA Onshore Properties, Inc. Chesapeake Appalachia LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) SWN Production Company, LLC SWN Exchange Titleholder, LLC (now SWN Production Company, LLC) SWN Production Company, LLC Chesapeake Appalachia LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) SWN Production Company, LLC	18.00% 18.00% 18.00% 17.00%	222A/774 240A/712 140A/691 149A/261 157A/540 158A/801 229A/716 128A/896 149A/865 157A/540 158A/801 167A/466 174A/544
Edith A. Douglas, a widow Douglas Edward Wood & Shelly Lynn Wood, husband and wife SWN Production Company, LLC Douglas Charles Wood Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Donna Sue Stevenson, a married woman dealing in her sole and separate property Marlene Louise Gardner, a widow Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Diana Whitlatch and Sam E. Whitlatch, wife and husband SWN Production Company, LLC Dennis D. Schopper, a married man dealing in his sole and separate property Deborah Lamp, a single woman	SWN Production Company, LLC SWN Production Company, LLC Equinor USA Onshore Properties, Inc. Chesapeake Appalachia LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) SWN Production Company, LLC SWN Exchange Titleholder, LLC (now SWN Production Company, LLC) SWN Production Company, LLC Chesapeake Appalachia LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) SWN Production Company, LLC	18.00% 18.00% 18.00% 17.00% 16.00%	222A/774 240A/712 140A/691 149A/261 157A/540 158A/801 229A/716 128A/896 149A/865 157A/540 158A/801 167A/466 174A/544 233A/583 04/2 237A/166
Edith A. Douglas, a widow Douglas Edward Wood & Shelly Lynn Wood, husband and wife SWN Production Company, LLC Douglas Charles Wood Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Donna Sue Stevenson, a married woman dealing in her sole and separate property Marlene Louise Gardner, a widow Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Diana Whitlatch and Sam E. Whitlatch, wife and husband SWN Production Company, LLC Dennis D. Schopper, a married man dealing in his sole and separate property Deborah Lamp, a single woman Deborah E. Hall-Ryan, a married woman dealing in he	SWN Production Company, LLC SWN Production Company, LLC Equinor USA Onshore Properties, Inc. Chesapeake Appalachia LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) SWN Production Company, LLC SWN Exchange Titleholder, LLC (now SWN Production Company, LLC) SWN Production Company, LLC Chesapeake Appalachia LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) SWN Production Company, LLC	18.00% 18.00% 18.00% 17.00%	222A/774 240A/712 140A/691 149A/261 157A/540 158A/801 229A/716 128A/896 149A/865 157A/540 158A/801 167A/466 174A/544
Edith A. Douglas, a widow Douglas Edward Wood & Shelly Lynn Wood, husband and wife SWN Production Company, LLC Douglas Charles Wood Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Donna Sue Stevenson, a married woman dealing in her sole and separate property. Marlene Louise Gardner, a widow Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Diana Whitlatch and Sam E. Whitlatch, wife and husband SWN Production Company, LLC Dennis D. Schopper, a married man dealing in his sole and separate property Deborah Lamp, a single woman Deborah E. Hall-Ryan, a married woman dealing in her sole and separate property	SWN Production Company, LLC SWN Production Company, LLC Equinor USA Onshore Properties, Inc. Chesapeake Appalachia LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) SWN Production Company, LLC SWN Exchange Titleholder, LLC (now SWN Production Company, LLC) SWN Production Company, LLC Chesapeake Appalachia LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) SWN Production Company, LLC	18.00% 18.00% 18.00% 17.00% 16.00% 18.00%	222A/774 240A/712 140A/691 149A/261 157A/540 158A/801 229A/716 128A/896 149A/865 157A/540 158A/801 167A/466 174A/544 233A/583 04/2 237A/196
Edith A. Douglas, a widow Douglas Edward Wood & Shelly Lynn Wood, husband and wife SWN Production Company, LLC Douglas Charles Wood Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Donna Sue Stevenson, a married woman dealing in her sole and separate property Marlene Louise Gardner, a widow Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Diana Whitlatch and Sam E. Whitlatch, wife and husband SWN Production Company, LLC Dennis D. Schopper, a married man dealing in his sole and separate property Deborah Lamp, a single woman Deborah E. Hall-Ryan, a married woman dealing in he	SWN Production Company, LLC SWN Production Company, LLC Equinor USA Onshore Properties, Inc. Chesapeake Appalachia LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) SWN Production Company, LLC SWN Exchange Titleholder, LLC (now SWN Production Company, LLC) SWN Production Company, LLC Chesapeake Appalachia LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) SWN Production Company, LLC	18.00% 18.00% 18.00% 17.00% 16.00%	222A/774 240A/712 140A/691 149A/261 157A/540 158A/801 229A/716 128A/896 149A/865 157A/540 158A/801 167A/466 174A/544 233A/583 04/2 237A/166

1/2023

RECEIVED Office of Oil and Gas

Attached to and made a part of the State of West Virginia Oil and Gas Form, WW-6A1, by SWN Production Company, L.L.C, as Operator William Ritchea WTZ 210H

Wetzel County, West Virginia

David M. Carter, a widower David B. Schartiger & Karla R. Schartiger, husband and	SWN Production Company, LLC	18.00%	232A/361
David B. Scharfiger & Karla R. Schartiger, husband andle	SWN Production Company, LLC	18.00%	239A/662
	SWN Production Company, LLC	18.00%	230A/523
wife Danny L. Lemasters, a married men dealing in his sole \$	DUNCE A MARKET COMMANDE		
and separate property	SWN Production Company, LLC	18.00%	203A/50
A sent desired to the desired to the sent of the sent	Equinor USA Onshore Properties, Inc.		228A/409
	SWN Production Company, LLC	18.00%	199A/505
sole and separate property	1,000	20,000	13374303
	SWN Production Company, LLC	18.00%	232A/50
	SWN Production Company, LLC	18.00%	206A/576
sole and separate property	Control of the Contro		G104
	Equinor USA Onshare Properties, Inc.		240A/712
	SWN Production Company, LLC	18.00%	236A/687
woman Christy Holmes and Danny L. Holmes, husband and	company to the control of the contro		44311113
wife	SWN Production Company, LLC	16.00%	167A/448
ACTION TO A STATE OF THE STATE	Statoil USA Onshore Properties Inc. (now Equinor USA		1744 /544
the state of the s	Onshore Properties Inc.)		174A/544
	Chesapeake Appalachia LLC	18.00%	140A/247
wife		20.00,11	200048-17
Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540
	SWN Production Company, LLC	18.00%	200A/547
	Equinor USA Onshore Properties, Inc.		228A/409
	SWN Production Company, LLC	18.00%	232A/68
			ar ostori
	SWN Production Company, LLC	18,00%	235A/459
Robbin, wife and husband			14 700
Chad K. Shartiger	SWN Production Company, LLC	18.00%	238A/800
	SWN Production Company, LLC	18.00%	223A/671
	SWN Production Company, LLC	18.00%	249A/763
	SWN Production Company, LLC	18.00%	237A/184
sole and separate property Bret Stiffler, a married man dealing in his sole and	SWA Deed and a Second 115	40 000	20111100
separate property	SWN Production Company, LLC	18,00%	224A/490
	SWN Production Company, LLC	18,00%	236A/351
and separate property	SVVI Production Company, EEC	18,00%	230A/351
-10-10-10-10-10-10-10-10-10-10-10-10-10-	SWN Production Company, LLC	16.00%	166A/907
		7.111.11	
SWN Production Company, LLC	Statoll USA Onshore Properties Inc. (now Equinor USA		186A/240
	Onshore Properties Inc.)		10,750 5.7
	SWN Production Company, LLC	16,00%	245A/410
	Chesapeake Appalachia LLC	18.00%	140A/257
married woman dealing in her sole and separate			
property Chesannaka Appalachia II C	CIMIN Building Company (1)		22.62
	SWN Production Company, LLC	40 000	157A/540
Anne Deepak, a married woman dealing in her sole and separate property	SWN Production Company, LLC	18,00%	248A/662
Angela Crellin, a married woman dealing in her sole	Chesangake Annalarhia III	17.00%	1224/747
and separate property	Suppleme Apparacilla LEC	17.00%	132A/747
	Statoil USA Onshore Properties Inc. (now Equinor USA		138A/618
	Onshore Properties Inc.)		130M/010
	SWN Production Company, LLC		157A/540
The state of the s	SWN Exchange Titleholder, LLC (now SWN Production		158A/801
Chesapeake Appalachia, LLC			
Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc.			1307/001
Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. S	Company, LLC) SWN Production Company, LLC	18.00%	239A/668
Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. S	Company, LLC)	18.00%	100000000000000000000000000000000000000
Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. CAmanda M. Lopez and Jesus G. Lopez, wife and husband Allen J. Hall, a single man	Company, LLC) SWN Production Company, LLC SWN Production Company, LLC	18.00%	100000000000000000000000000000000000000
Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. CAmanda M. Lopez and Jesus G. Lopez, wife and husband Allen J. Hall, a single man Statoin S	Company, LLC) SWN Production Company, LLC	1200	239A/668
Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Amanda M. Lopez and Jesus G. Lopez, wife and husband Allen J. Hall, a single man Alfred Burton and Linda A. Burton, husband and wife	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	18.00%	239A/668 237A/831 167A/439
Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Amanda M. Lopez and Jesus G. Lopez, wife and husband Allen I. Hall, a single man Alfred Burton and Linda A. Burton, husband and wife SWN Production Company, LLC	Company, LLC) SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Statoil USA Onshore Properties Inc. (now Equinor USA	18.00%	239A/668 237A/831
Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Amanda M. Lopez and Jesus G. Lopez, wife and husband Allen J. Hall, a single man Alfred Burton and Linda A. Burton, husband and wife SWN Production Company, LLC	Company, LLC) SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.)	18.00% 16.00%	239A/668 237A/831 167A/439
Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Amanda M. Lopez and Jesus G. Lopez, wife and husband Allen J. Hall, a single man Alfred Burton and Unda A. Burton, husband and wife SWN Production Company, LLC Royalty Owner	Company, LLC) SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Statoil USA Onshare Properties Inc. (now Equinor USA Onshore Properties Inc.)	18.00% 16.00% N/A	239A/668 237A/831 167A/439 174A/544 N/A
Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Amanda M. Lopez and Jesus G. Lopez, wife and husband Allen J. Hall, a single man Alfred Burton and Linda A. Burton, husband and wife S SWN Production Company, LLC Royalty Owner William James Grubbs and Janet C. Grubbs, husband	Company, LLC) SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.)	18.00% 16.00%	239A/668 237A/831 167A/439 174A/544
Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Amanda M. Lopez and Jesus G. Lopez, wife and husband Allen J. Hall, a single man Alfred Burton and Linda A. Burton, husband and wife SWN Production Company, LLC Royalty Dwner William James Grubbs and Janet C. Grubbs, husband and wife	Company, LLC) SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) N/A. SWN Production Company, LLC	18.00% 16.00% N/A 15.00%	239A/668 237A/831 167A/439 174A/544 N/A 283A/137
Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Amanda M. Lopez and Jesus G. Lopez, wife and husband Allen J. Hall, a single man Alfred Burton and Linda A. Burton, husband and wife SWN Production Company, LLC Royalty Owner William James Grubbs and Janet C. Grubbs, husband and wife William J. Hall, a married man dealing in his sole and	Company, LLC) SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Statoil USA Onshare Properties Inc. (now Equinor USA Onshore Properties Inc.)	18.00% 16.00% N/A	239A/668 237A/831 167A/439 174A/544 N/A
Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Amanda M. Lopez and Jesus G. Lopez, wife and husband Allen J. Hall, a single man Alfred Burton and Linda A. Burton, husband and wife SWN Production Company, LLC Royalty Owner William James Grubbs and Janet C. Grubbs, husband and wife William J. Hall, a married man dealing in his sole and separate property	Company, LLC) SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) N/A. SWN Production Company, LLC SWN Production Company, LLC	18.00% 16.00% N/A 15.00%	239A/668 237A/831 167A/439 174A/544 N/A 283A/137 166A/924
Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Amanda M. Lopez and Jesus G. Lopez, wife and husband Allen J. Hall, a single man Alfred Burton and Linda A. Burton, husband and wife SWN Production Company, LLC Royalty Dwner William James Grubbs and Janet C. Grubbs, husband and wife William J. Hall, a married man dealing in his sole and separate property SWN Production Company, LLC	Company, LLC) SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) N/A SWN Production Company, LLC SWN Production Company, LLC Statoil USA Onshore Properties, Inc. (now Equinor	18.00% 16.00% N/A 15.00%	239A/668 237A/831 167A/439 174A/544 N/A 283A/137
Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Amanda M. Lopez and Jesus G. Lopez, wife and husband Allen I. Hall, a single man Alfred Burton and Linda A. Burton, husband and wife S SWN Production Company, LLC Royalty Dwner William James Grubbs and Janet C. Grubbs, husband and wife William J. Hall, a married man dealing in his sole and separate property SWN Production Company, LLC	Company, LLC) SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) N/A SWN Production Company, LLC SWN Production Company, LLC Statoil USA Onshore Properties, Inc. (now Equinor USA Onshore Properties, Inc.)	18.00% 16.00% N/A 15.00%	239A/668 237A/831 167A/439 174A/544 N/A 283A/137 166A/924 174A/544
Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Amanda M. Lopez and Jesus G. Lopez, wife and hiusband Allen J. Hall, a single man Alfred Burton and Linda A. Burton, husband and wife SWN Production Company, LLC Royalty Clwner William James Grubbs and Janet C. Grubbs, husband and wife William J. Hall, a married man dealing in his sole and separate property SWN Production Company, LLC Robert Richmond and Virginia Richmond, husband	Company, LLC) SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) N/A SWN Production Company, LLC SWN Production Company, LLC Statoil USA Onshore Properties, Inc. (now Equinor	18.00% 16.00% N/A 15.00%	239A/668 237A/831 167A/439 174A/544 N/A 283A/137 166A/924
Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Amanda M. Lopez and Jesus G. Lopez, wife and hiusband Allen J. Hall, a single man Alfred Burton and Linda A. Burton, husband and wife SWN Production Company, LLC Royalty Clwner William James Grubbs and Janet C. Grubbs, husband and wife William J. Hall, a married man dealing in his sole and separate property SWN Production Company, LLC Robert Richmond and Virginia Richmond, husband and wife	Company, LLC) SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Statoil USA Onshare Properties Inc. (now Equinor USA Onshore Properties Inc.) N/A. SWN Production Company, LLC SWN Production Company, LLC Statoil USA Onshore Properties, Inc. (now Equinor USA Onshore Properties, Inc.) SWN Production Company, LLC	18.00% 16.00% N/A 15.00%	239A/668 237A/831 167A/439 174A/544 N/A 283A/137 166A/924 174A/544 167A/463
Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Amanda M. Lopez and Jesus G. Lopez, wife and hiusband Allen J. Hall, a single man Alfred Burton and Linda A. Burton, husband and wife SWN Production Company, LLC Royalty Clwner William James Grubbs and Janet C. Grubbs, husband and wife William J. Hall, a married man dealing in his sole and separate property SWN Production Company, LLC Robert Richmond and Virginia Richmond, husband and wife SWN Production Company, LLC	Company, LLC) SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) N/A. SWN Production Company, LLC SWN Production Company, LLC Statoil USA Onshore Properties, Inc. (now Equinor USA Onshore Properties, Inc.) SWN Production Company, LLC Statoil USA Onshore Properties, Inc. (now Equinor USA Onshore Properties, Inc.)	18.00% 16.00% N/A 15.00%	239A/668 237A/831 167A/439 174A/544 N/A 283A/137 166A/924 174A/544
Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Amanda M. Lopez and Jesus G. Lopez, wife and husband Allen J. Hall, a single man Alfred Burton and Linda A. Burton, husband and wife SWN Production Company, LLC Royalty Owner William James Grubbs and Janet C. Grubbs, husband and wife William J. Hall, a married man dealing in his sole and separate property SWN Production Company, LLC Robert Richmond and Virginia Richmond, husband and wife SWN Production Company, LLC	Company, LLC) SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) N/A. SWN Production Company, LLC SWN Production Company, LLC Statoil USA Onshore Properties, Inc. (now Equinor USA Onshore Properties, Inc.) SWN Production Company, LLC Statoil USA Onshore Properties, Inc. (now Equinor USA Onshore Properties, Inc.) Statoil USA Onshore Properties, Inc. (now Equinor USA Onshore Properties, Inc.)	18.00% 16.00% N/A 15.00% 16.00%	239A/668 237A/831 167A/439 174A/544 N/A 283A/137 166A/924 174A/544 167A/463 174A/544
Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Amanda M. Lopez and Jesus G. Lopez, wife and husband Allen J. Hall, a single man Alfred Burton and Linda A. Burton, husband and wife SWN Production Company, LLC Royalty Dwner William James Grubbs and Janet C. Grubbs, husband and wife William J. Hall, a married man dealing in his sole and separate property SWN Production Company, LLC Robert Richmond and Virginia Richmond, husband and wife SWN Production Company, LLC Robert Richmond and Virginia Richmond, husband and wife SWN Production Company, LLC Vera Jean Rutan, a single woman	Company, LLC) SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) N/A. SWN Production Company, LLC SWN Production Company, LLC Statoil USA Onshore Properties, Inc. (now Equinor USA Onshore Properties, Inc.) SWN Production Company, LLC Statoil USA Onshore Properties, Inc. (now Equinor USA Onshore Properties, Inc.) SWN Production Company, LLC Statoil USA Onshore Properties, Inc. (now Equinor USA Onshore Properties, Inc.)	18.00% 16.00% N/A 15.00% 16.00%	239A/668 237A/831 167A/439 174A/544 N/A 283A/137 166A/924 174A/544 167A/463 174A/544 237A/160
Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Amanda M. Lopez and Jesus G. Lopez, wife and husband Allen J. Hall, a single man Alfred Burton and Linda A. Burton, husband and wife SWN Production Company, LLC Royalty Dwner William James Grubbs and Janet C Grubbs, husband and wife William J. Hall, a married man dealing in his sole and separate property SWN Production Company, LLC Robert Richmond and Virginia Richmond, husband and wife SWN Production Company, LLC Vera Jean Rutan, a single woman Vanita & Cordova Holding Company, LLC	Company, LLC) SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) N/A. SWN Production Company, LLC SWN Production Company, LLC Statoil USA Onshore Properties, Inc. (now Equinor USA Onshore Properties, Inc.) SWN Production Company, LLC Statoil USA Onshore Properties, Inc. (now Equinor USA Onshore Properties, Inc.) SWN Production Company, LLC STATOIL USA Onshore Properties, Inc.) SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	18.00% 16.00% N/A 15.00% 16.00%	239A/668 237A/831 167A/439 174A/544 N/A 283A/137 166A/924 174A/544 167A/463 174A/544 237A/160 283A/164
Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Amanda M. Lopez and Jesus G. Lopez, wife and husband Allen I. Hall, a single man Alfred Burton and Linda A. Burton, husband and wife SWN Production Company, LLC Royalty Dwner William James Grubbs and Janet C. Grubbs, husband and wife William James Grubbs and Janet C. Grubbs, husband and wife William J. Hall, a married man dealing in his sole and separate property SWN Production Company, LLC Robert Richmond and Virginia Richmond, husband and wife SWN Production Company, LLC Vera Jean Rutan, a single woman Vanita & Cordova Holding Company, LLC Vanita & Cordova Holding Company, LLC	Company, LLC) SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) N/A. SWN Production Company, LLC SWN Production Company, LLC Statoil USA Onshore Properties, Inc. (now Equinor USA Onshore Properties, Inc.) SWN Production Company, LLC Statoil USA Onshore Properties, Inc. (now Equinor USA Onshore Properties, Inc.) SWN Production Company, LLC Statoil USA Onshore Properties, Inc. (now Equinor USA Onshore Properties, Inc.)	18.00% 16.00% N/A 15.00% 16.00% 16.00%	239A/668 237A/831 167A/439 174A/544 N/A 283A/137 166A/924 174A/544 167A/463 174A/544 237A/160
Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Amanda M. Lopez and Jesus G. Lopez, wife and husband Allen I. Hall, a single man Alfred Burton and Linda A. Burton, husband and wife SWN Production Company, LLC Royalty Dwner William James Grubbs and Janet C. Grubbs, husband and wife William James Grubbs and Janet C. Grubbs, husband and wife William J. Hall, a married man dealing in his sole and separate property SWN Production Company, LLC Robert Richmond and Virginia Richmond, husband and wife SWN Production Company, LLC Vera Jean Rutan, a single woman Vanita & Cordova Holding Company, LLC Vanita & Cordova Holding Company, LLC	Company, LLC) SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) N/A. SWN Production Company, LLC SWN Production Company, LLC Statoil USA Onshore Properties, Inc. (now Equinor USA Onshore Properties, Inc.) SWN Production Company, LLC Statoil USA Onshore Properties, Inc. (now Equinor USA Onshore Properties, Inc.) SWN Production Company, LLC	18.00% 16.00% N/A 15.00% 16.00%	239A/668 237A/831 167A/439 174A/544 N/A 283A/137 166A/924 174A/544 167A/463 174A/544 237A/160 283A/164 291A/655 168A/636
Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Amanda M. Lopez and Jesus G. Lopez, wife and husband Allen J. Hall, a single man Alfred Burton and Linda A. Burton, husband and wife SWN Production Company, LLC Royalty Clwner William James Grubbs and Janet C. Grubbs, husband and wife William J. Hall, a married man dealing in his sole and separate property SWN Production Company, LLC Robert Richmond and Virginia Richmond, husband and wife SWN Production Company, LLC Vera Jean Rutan, a single woman Vanita & Cordova Holding Company, LLC Vanita & Cordova Holding Company, LLC Valie Virginia Hall, by Billie Jo Beegle, as her Attorney-in-Fact	Company, LLC) SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) N/A. SWN Production Company, LLC SWN Production Company, LLC Statoil USA Onshore Properties, Inc. (now Equinor USA Onshore Properties, Inc.) SWN Production Company, LLC Statoil USA Onshore Properties, Inc. (now Equinor USA Onshore Properties, Inc.) SWN Production Company, LLC	18.00% 16.00% N/A 15.00% 16.00% 16.00%	239A/668 237A/831 167A/439 174A/544 N/A 283A/137 166A/924 174A/544 167A/463 174A/544 237A/160 283A/164 291A/655 168A/636
Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Amanda M. Lopez and Jesus G. Lopez, wife and husband Allen J. Hall, a single man Alfred Burton and Linda A. Burton, husband and wife SWN Production Company, LLC Royalty Dwner William James Grubbs and Janet C. Grubbs, husband and wife William J. Hall, a married man dealing in his sole and separate property SWN Production Company, LLC Robert Richmond and Virginia Richmond, husband and wife SWN Production Company, LLC Vera Jean Rutan, a single woman Vanita & Cordova Holding Company, LLC SWN Production Company, LLC SHIP Virginia Hall, by Billie Jo Beegle, as her Attorney In-Fact SWN Production Company, LLC	Company, LLC) SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) N/A. SWN Production Company, LLC SWN Production Company, LLC Statoil USA Onshore Properties, Inc. (now Equinor USA Onshore Properties, Inc.) SWN Production Company, LLC Statoil USA Onshore Properties, Inc. (now Equinor USA Onshore Properties, Inc.) SWN Production Company, LLC	18.00% 16.00% N/A 15.00% 16.00% 16.00%	239A/668 237A/831 167A/439 174A/544 N/A 283A/137 166A/924 174A/544 167A/463 174A/544 237A/160 283A/164 291A/655
Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Amanda M. Lopez and Jesus G. Lopez, wife and husband Allen J. Hall, a single man Alfred Burton and Linda A. Burton, husband and wife SWN Production Company, LLC Royalty Dwner William James Grubbs and Janet C. Grubbs, husband and wife William J. Hall, a married man dealing in his sole and separate property SWN Production Company, LLC Robert Richmond and Virginia Richmond, husband and wife SWN Production Company, LLC Yera Jean Rutan, a single woman Vanita & Cordova Holding Company, LLC SWN Production Company, LLC	Company, LLC) SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) N/A. SWN Production Company, LLC SWN Production Company, LLC Statoil USA Onshore Properties, Inc. (now Equinor USA Onshore Properties, Inc.) SWN Production Company, LLC Statoil USA Onshore Properties, Inc. (now Equinor USA Onshore Properties, Inc.) SWN Production Company, LLC	18.00% 16.00% N/A 15.00% 16.00% 16.00%	239A/668 237A/831 167A/439 174A/544 N/A 283A/137 166A/924 174A/544 167A/463 174A/544 237A/160 283A/164 291A/655 168A/636
Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Amanda M. Lopez and Jesus G. Lopez, wife and husband Allen J. Hall, a single man Alfred Burton and Linda A. Burton, husband and wife SWN Production Company, LLC Royalty Dwner William James Grubbs and Janet C Grubbs, husband and wife William J. Hall, a married man dealing in his sole and separate property SWN Production Company, LLC Robert Richmond and Virginia Richmond, husband and wife SWN Production Company, LLC Vera Jean Rutan, a single woman Vanita & Cordova Holding Company, LLC Vanita & Cordova Holding Company, LLC Vanita & Cordova Holding Company, LLC Syn Production Company, LLC Vanita & Cordova Holding Company, LLC Vanita & Cordova Holding Company, LLC Syn Production Company, LLC Syn L Burke and Paul B. Burke, wife and husband	Company, LLC) SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Statoil USA Onshore Properties Inc. (now Equinor USA Onshore Properties Inc.) N/A. SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC STATOIL USA Onshore Properties, Inc.) SWN Production Company, LLC STATOIL USA Onshore Properties, Inc.) SWN Production Company, LLC STATOIL USA Onshore Properties, Inc. (now Equinor USA Onshore Properties, Inc.)	18.00% 16.00% N/A 15.00% 16.00% 16.00%	239A/668 237A/831 167A/439 174A/544 N/A 283A/137 166A/924 174A/544 167A/463 174A/544 237A/160 283A/164 291A/655 168A/636 174A/544/2 1/2

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We - I - Hall

Attached to and made a part of the State of West Virginia Oil and Gas Form, WW-6A1, by SWN Production Company, L.L.C, as Operator William Ritchea WTZ 210H Wetzel County, West Virginia

7			
Imothy James Lemasters and Brandi Lee Lemasters, susband and wife	SWN Production Company, LLC	18.00%	235A/604
	SWN Production Company, LLC	10.000/	2224 //2
	SWN Production Company, LLC	18.00%	232A/62 168A/630
	Statoil USA Onshore Properties, Inc. (now Equinor	16.00%	174A/544
	USA Onshore Properties, Inc.)		11444344
usan J. Lemasters, a single woman	SWN Production Company, LLC	18.00%	229A/722
tephen Guy Pettit and Sarah Pettit, husband and	SWN Production Company, LLC	16.00%	167A/430
rife			
WN Production Company, LLC	Statoil USA Onshore Properties, Inc. (now Equinor		174A/544
	USA Onshare Properties, Inc.)		
	SWN Production Company, LLC	18.00%	229A/88
haron L. Mick, a married woman dealing in her sole Industrial Indu	SWN Production Company, LLC	18.00%	233A/S50
	SWN Production Company M.C.	37 ODE	3004/33
	SWN Production Company, LLC SWN Production Company, LLC	15.00%	290A/72
oman dealing in her sole and separate property	SWA Production Company, Etc	15.00%	290A/82
and output the property			
ohn T. Darner and Sandra L. Darner, husband and	SWN Production Company, LLC	18.00%	232A/349
rife]
amuel J. Wood, a married man, dealing in his sole	SWN Production Company, LLC	18.00%	199A/493
nd separate property	` "		,
WN Production Company, LLC	Equinor USA Onshore Properties, Inc.		228A/409
amuel Burton and Joyce K. Burton, husband and wife	SWN Production Company, LLC	16.00%	167A/442
NAME OF TAXABLE PARTY.	[
WN Production Company, LLC	Statoil USA Onshore Properties, Inc. (now Equinor		174A/544
Suth E Maccour a manifestation and delivery	USA Onshore Properties, Inc.)		
Ruth E. Massey, a married woman dealing in her sole	SWN Production Company, LLC	18.00%	247A/897
and separate property Ruby A. Oberholtzer, a single woman	SIMAN Decoduration Comments 14.5		2001 (====
	SWN Production Company, LLC	18.00%	308A/786
wife	SWN Production Company, LLC	18.00%	231A/564
Rosemary A. Muldowney, a single woman	SWN Production Company, LLC	18.00%	290A/606
Rosemary A. Douglas, a widow	SWN Production Company, LLC	18.00%	290A/606 229A/704
Rose Marie Lemasters-Juresko, a widow, by her	SWN Production Company, LLC	18.00%	229A/704 229A/82
Attorney in Fact, Linda D. McPherson		10.00%	2237752
Ronald Half, a single man	SWN Production Company, LLC	16.00%	166A/919
SWN Production Company, LLC	Statoil USA Onshore Properties, Inc. (now Equinor		178A/221
	USA Onshore Properties, Inc.)]
Roberta M. Rinaldi a/k/a Robin M. Rinaldi, a married	SWN Production Company, ELC	18.00%	238A/250
woman dealing in her sole and separate property			i
Data de la constantina della c			
Robert A. Lemasters, a single man	SWN Production Company, LLC	15.00%	290A/67
Rickey E. Allen, a married man dealing in his sole and	SWN Production Company, LLC	18.00%	308A/534
separate property Rex D. Foster, a single man	SWN Production Company, LLC	16.000	7404/7755
Raymond Clayton, a widower	SWN Production Company, LLC	16.00% 16.00%	240A/726
SWN Production Company, LLC	Statoil USA Onshore Properties, Inc. (now Equinor	10.00%	167A/457 174A/544
, , , , , , , , , , , , , , , , , , ,	USA Onshore Properties, Inc.)		71410344
Ray Ellwood Blake, II, a married man dealing in his	SWN Production Company, LLC	18.00%	221A/934
ole and separate property			100,410,
lalph Clayton and Sara Clayton, husband and wife	SWN Production Company, LLC	16.00%	167A/460
SWN Production Company, LLC	Statoil USA Onshore Properties, Inc. (now Equinor	l	174A/544
Park alla Calana Paratt	USA Onshore Properties, Inc.)		<u> </u>
Rachelle Coburn Botelho, a married woman dealing in	SWN Production Company, LLC	18.00%	308A/551
her sole and separate property	leium n		
Perkins Oil & Gas, Inc., a West Virginia corporation	SWN Production Company, LLC	18.00%	249A/159
Penny L. Thomas, a married woman dealing in her	SWN Production Company, LLC	4F 000'	2024 /425
sole and separate property	Owner Croduction Company, Etc.	15.00%	293A/438
Paula Kay Zukoff Romanoski, a married woman.	SWN Production Company, LEC	18.00%	199A/665
	The state of the s	10.00%	1334/003
dealing in her sole and separate property			1
dealing in her sole and separate property			1
	Equinor USA Onshore Properties, Inc.		228A/409
	Equinor USA Onshore Properties, Inc. SWN Production Company, LLC	18.00%	228A/409 234A/841
SWN Production Company, LLC Paul Douglas Lemasters and April L. Lemasters, husband and wife		18.00%	
SWN Production Company, LLC Paul Douglas Lemasters and April L. Lemasters, husband and wife		18.00% 15.00%	
SWN Production Company, LLC Paul Douglas Lemasters and April L. Lemasters, husband and wife	SWN Production Company, LLC	1	234A/841
SWN Production Company, LLC Paul Douglas Lemasters and April L. Lemasters, husband and wife Patty A. Balwanz a/k/a Patty A. Clovin-Balwanz, a married woman dealing in her sole and separate property	SWN Production Company, LLC SWN Production Company, LLC	1	234A/841
SWN Production Company, LLC Paul Douglas Lemasters and April L. Lemasters, husband and wife Patty A. Balwanz a/k/a Patty A. Clovin-Balwanz, a married woman dealing in her sole and separate property Patricia A. Wallace, a single woman	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	15.00%	234A/841 306A/424 230A/535
SWN Production Company, LLC Paul Douglas Lemasters and April L. Lemasters, husband and wife Patty A. Balwanz a/k/a Patty A. Clovin-Balwanz, a married woman dealing in her sole and separate property Patricia A. Wallace, a single woman Pamela J. Lemasters, f/k/a Pamela J. Lemasers-Putt, a	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	15.00%	234A/841 306A/424
SWN Production Company, LLC Paul Douglas Lemasters and April L. Lemasters, husband and wife Patty A. Balwanz a/k/a Patty A. Clovin-Balwanz, a married woman dealing in her sole and separate property Patricia A. Wallace, a single woman Pamela J. Lemasters, f/k/a Pamela J. Lemasers-Putt, a single woman	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	15.00% 18.00% 18.00%	234A/841 306A/424 230A/535 231A/356
SWN Production Company, LLC Paul Douglas Lemasters and April L. Lemasters, husband and wife Patty A. Balwanz a/k/a Patty A. Clovin-Balwanz, a maπied woman dealing in her sole and separate property Patricia A. Wallace, a single woman Pamela J. Lemasters, f/k/a Pamela J. Lemasers-Putt, a single woman Pamela Ann Frabell, a married woman, dealing in her	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	15.00%	234A/841 306A/424 230A/535
SWN Production Company, LLC Paul Douglas Lemasters and April L. Lemasters, husband and wife Patry A. Balwanz a/k/a Patry A. Clovin-Balwanz, a married woman dealing in her sole and separate property Patricia A. Wallace, a single woman Pamela J. Lemasters, f/k/a Pamela J. Lemasers-Putt, a single woman Pamela Ann Frabell, a married woman, dealing in her sole and separate property	SWN Production Company, LLC	15.00% 18.00% 18.00%	234A/841 306A/424 230A/535 231A/356 238A/255
SWN Production Company, LLC Paul Douglas Lemasters and April L. Lemasters, husband and wife Patry A. Balwanz a/k/a Patty A. Clovin-Balwanz, a married woman dealing in her sole and separate property Patricia A. Wallace, a single woman Pamela J. Lemasters, f/k/a Pamela J. Lemasers-Putt, a single woman Pamela Ann Frabell, a married woman, dealing in her sole and separate property Okla Dale Burton and Shirley Burton, husband and	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	15.00% 18.00% 18.00%	234A/841 306A/424 230A/535 231A/356
SWN Production Company, LLC Paul Douglas Lemasters and April L. Lemasters, husband and wife Patty A. Balwanz a/k/a Patty A. Clovin-Balwanz, a married woman dealing in her sole and separate property Patricia A. Wallace, a single woman Pamela J. Lemasters, f/k/a Pamela J. Lemasers-Putt, a single woman Pamela Ann Frabell, a married woman, dealing in her sole and separate property Okla Dale Burton and Shirley Burton, husband and wife	SWN Production Company, LLC	15.00% 18.00% 18.00%	234A/841 306A/424 230A/535 231A/356 238A/255 167A/436
SWN Production Company, LLC Paul Douglas Lemasters and April L. Lemasters, husband and wife Patry A. Balwanz a/k/a Patty A. Clovin-Balwanz, a married woman dealing in her sole and separate property Patricia A. Wallace, a single woman Pamela J. Lemasters, f/k/a Pamela J. Lemasers-Putt, a single woman Pamela Ann Frabell, a married woman, dealing in her sole and separate property Okla Dale Burton and Shirley Burton, husband and	SWN Production Company, LLC	15.00% 18.00% 18.00%	234A/841 306A/424 230A/535 231A/356 238A/255
SWN Production Company, LLC Paul Douglas Lemasters and April L. Lemasters, husband and wife Patty A. Balwanz a/k/a Patty A. Clovin-Balwanz, a married woman dealing in her sole and separate property Patricia A. Wallace, a single woman Pamela J. Lemasters, f/k/a Pamela J. Lemasers-Putt, a single woman Pamela Ann Frabell, a married woman, dealing in her sole and separate property Okla Dale Burton and Shirley Burton, husband and wife SWN Production Company, LLC	SWN Production Company, LLC Statoil USA Onshore Properties, Inc. (now Equinor USA Onshore Properties, Inc.)	15.00% 18.00% 18.00% 18.00%	234A/841 306A/424 230A/535 231A/356 238A/255 167A/436 174A/544
SWN Production Company, LLC Paul Douglas Lemasters and April L. Lemasters, husband and wife Patty A. Balwanz a/k/a Patty A. Clovin-Balwanz, a married woman dealing in her sole and separate property Patricia A. Wallace, a single woman Pamela J. Lemasters, f/k/a Pamela J. Lemasers-Putt, a single woman Pamela Ann Frabell, a married woman, dealing in her sole and separate property Okla Dale Burton and Shirley Burton, husband and wife SWN Production Company, LLC Nicole Lee Jackson, a married woman dealing in her	SWN Production Company, LLC	15.00% 18.00% 18.00%	234A/841 306A/424 230A/535 231A/356 238A/255 167A/436
SWN Production Company, LLC Paul Douglas Lemasters and April L. Lemasters, husband and wife Patty A. Balwanz a/k/a Patty A. Clovin-Balwanz, a married woman dealing in her sole and separate property Patricia A. Wallace, a single woman Pamela J. Lemasters, f/k/a Pamela J. Lemasers-Putt, a single woman Pamela Ann Frabell, a married woman, dealing in her sole and separate property Okla Dale Burton and Shirley Burton, husband and wife SWN Production Company, LLC	SWN Production Company, LLC Statoil USA Onshore Properties, Inc. (now Equinor USA Onshore Properties, Inc.) SWN Production Company, LLC	15.00% 18.00% 18.00% 18.00% 16.00%	234A/841 306A/424 230A/535 231A/356 238A/255 167A/436 174A/544 227A/729
SWN Production Company, LLC Paul Douglas Lemasters and April L. Lemasters, husband and wife Patty A. Balwanz a/k/a Patty A. Clovin-Balwanz, a married woman dealing in her sole and separate property Patricia A. Wallace, a single woman Pamela J. Lemasters, f/k/a Pamela J. Lemasers-Putt, a single woman Pamela Ann Frabell, a married woman, dealing in her sole and separate property Okla Dale Burton and Shirley Burton, husband and wife SWN Production Company, LLC Nicole Lee Jackson, a married woman dealing in her sole and separate property	SWN Production Company, LLC Statoil USA Onshore Properties, Inc. (now Equinor USA Onshore Properties, Inc.)	15.00% 18.00% 18.00% 18.00% 16.00%	234A/841 306A/424 230A/535 231A/356 238A/255 167A/436 174A/544 227A/729 231A/326
SWN Production Company, LLC Paul Douglas Lemasters and April L. Lemasters, husband and wife Patty A. Balwanz a/k/a Patty A. Clovin-Balwanz, a married woman dealing in her sole and separate property Patricia A. Wallace, a single woman Pamela J. Lemasters, f/k/a Pamela J. Lemasers-Putt, a single woman Pamela Ann Frabell, a married woman, dealing in her sole and separate property Okla Dale Burton and Shirley Burton, husband and wife SWN Production Company, LLC Nicole Lee Jackson, a married woman dealing in her sole and separate property Neita M. Pound, a single woman	SWN Production Company, LLC Statoil USA Onshore Properties, Inc. (now Equinor USA Onshore Properties, Inc.) SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	15.00% 18.00% 18.00% 18.00% 16.00%	234A/841 306A/424 230A/535 231A/356 238A/255 167A/436 174A/544 227A/729
SWN Production Company, LLC Paul Douglas Lemasters and April L. Lemasters, husband and wife Patty A. Balwanz a/k/a Patty A. Clovin-Balwanz, a married woman dealing in her sole and separate property Patricia A. Wallace, a single woman Pamela J. Lemasters, f/k/a Pamela J. Lemasers-Putt, a single woman Pamela Ann Frabell, a married woman, dealing in her sole and separate property Okla Dale Burton and Shirley Burton, husband and wife SWN Production Company, LLC Nicole Lee Jackson, a married woman dealing in her sole and separate property Neita M. Pound, a single woman Nancy Grubbs Burford, a widow	SWN Production Company, LLC Statoil USA Onshore Properties, Inc. (now Equinor USA Onshore Properties, Inc.) SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	15.00% 18.00% 18.00% 16.00% 18.00% 18.00%	234A/841 306A/424 230A/535 231A/356 238A/255 167A/436 174A/544 227A/729 231A/326 283A/121
SWN Production Company, LLC Paul Douglas Lemasters and April L. Lemasters, husband and wife Patty A. Balwanz a/k/a Patty A. Clovin-Balwanz, a married woman dealing in her sole and separate property Patricia A. Wallace, a single woman Pamela J. Lemasters, f/k/a Pamela J. Lemasers-Putt, a single woman Pamela Ann Frabell, a married woman, dealing in her sole and separate property Okla Dale Burton and Shirley Burton, husband and wife SWN Production Company, LLC Nicole Lee Jackson, a married woman dealing in her sole and separate property Nelta M. Pound, a single woman Nancy Grubbs Burford, a widow Michael Richey, a married man dealing in his sole and	SWN Production Company, LLC Statoil USA Onshore Properties, Inc. (now Equinor USA Onshore Properties, Inc.) SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	15.00% 18.00% 18.00% 16.00% 18.00% 18.00%	234A/841 306A/424 230A/535 231A/356 238A/255 167A/436 174A/544 227A/729 231A/326 283A/121 237A/825 231A/570
SWN Production Company, LLC Paul Douglas Lemasters and April L. Lemasters, husband and wife Patty A. Balwanz a/k/a Patty A. Clovin-Balwanz, a married woman dealing in her sole and separate property Patricia A. Wallace, a single woman Pamela J. Lemasters, f/k/a Pamela J. Lemasers-Putt, a single woman Pamela Ann Frabell, a married woman, dealing in her sole and separate property Okla Dale Burton and Shirley Burton, husband and wife SWN Production Company, LLC Nicole Lee Jackson, a married woman dealing in her sole and separate property Neita M. Pound, a single woman Nancy Grubbs Burford, a widow Michael Richey, a married man dealing in his sole and separate property	SWN Production Company, LLC Statoil USA Onshore Properties, Inc. (now Equinor USA Onshore Properties, Inc.) SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	15.00% 18.00% 18.00% 16.00% 18.00% 18.00% 18.00%	234A/841 306A/424 230A/535 231A/356 238A/255 167A/436 174A/544 227A/729 01/6 231A/325 231A/325

RECEIVED
Office of Oil and Gas

Attached to and made a part of the State of West Virginia Oil and Gas Form, WW-6A1, by SWN Production Company, L.L.C, as Operator William Ritchea WTZ 210H

Wetzel County, West Virginia

		•	-
Michael G. Lemasters, a single man	SWN Production Company, LLC	18.00%	207A/673
Mefvin E. Silvis, a widower	SWN Production Company, LLC	15.00%	283A/195
Mary Jane Poleski, a widow	SWN Production Company, LLC	15.00%	283A/147
Charles Spaine and Mary E. Spaine, husband and wife	SWN Production Company, ELC	16.00%	168A/633
WN Production Company, LLC	Statoil USA Onshore Properties, Inc. (now Equinor	•	174A/544
The Production Company, Lec	USA Onshore Properties, Inc.)		1/44/544
Marta Jo Zukoff Thomas, a married woman, dealing in		18.00%	199A/499
her sole and separate property	SAMA Production Company, EEC	10.00%	1994/499
SWN Production Company, LLC	Equinor USA Onshore Properties, Inc.		228A/409
Michael Ray Barrett and Mary Barrett, husband and	SWN Production Company, LLC	16.00%	166A/910
wife .	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
SWN Production Company, LLC	Statoil USA Onshore Properties, Inc. (now Equinor	1	178A/221
	USA Onshore Properties, Inc.)	i	1
Mark E. Riter, a married man dealing in his sole and	SWN Production Company, LLC	18.00%	231A/344
eparate property	<u>l</u>	1.	1 1
Varilyn ₽. Dehart, a single woman	SWN Production Company, LLC	16.00%	201A/779
WN Production Company, LLC	Equinor USA Onshore Properties, Inc.		228A/409
Marianna F. Wood, a widow	SWN Production Company, LLC	16.00%	166A/913
WN Production Company, LLC	Statoil USA Onshore Properties, Inc. (now Equinor	1	178A/221
	USA Onshore Properties, Inc.)		i I
WN Production Company, LLC	Statell USA Onshore Properties, Inc. (now Equinor	ļ.	182A/825
	USA Onshore Properties, Inc.)		
Marian Franzi, a widow	SWN Production Company, LLC	18.00%	236A/S70
Margaret L. Chambers, a single woman	SWN Production Company, LLC	18.00%	203A/817
SWN Production Company, LLC	Equinor USA Onshore Properties, Inc.	10000	228A/409
Lou Ann Douglas, a widow	SWN Production Company, LLC	18.00%	233A/943
isa M. Barrile & Jeffrey V. Barrile, wife and husband	SWN Production Company, LLC	18.00%	237A/172
Lisa J. Gibson, a married woman dealing in her sole	SWN Production Company, LLC	10 000	237A/178
usan, oroson, a married woman dealing in her sole	STATE PRODUCTION COMPANY, LLC	18.00%	23/A/1/8
Alfred Stevens and Linda Stevens, husband and wife	SWN Production Company, LLC	18.00%	196A/645
13 21270.13 Sind Gride Overein, Husberto dilu Wile	The state of the s	10.00%	1307/043
SWN Production Company, LLC	Equinor USA Onshore Properties, Inc.		219A/468
Linda Stansberry, a single woman	SWN Production Company, LLC	18.00%	223A/208
ames E. Barr and Linda Barr, husband and wife	SWN Production Company, LLC	16.00%	167A/451
	, , , , , , , , , , , , , , , , , , ,	1	
SWN Production Company, LLC	Statoil USA Onshore Properties, Inc. (now Equinor	ł	174A/544
	USA Onshore Properties, Inc.)		'
dilian L. Pyles, a married woman dealing in her sole	SWN Production Company, LLC	18.00%	308A/592
and separate property			<u> </u>
Harold E. Lemasters and Betty L. Lemasters, Trustees	SWN Production Company, LLC	18.00%	290A/596
of the Lemasters Keystone Trust, dated April 5, 2012			
		<u> </u>	
Lee Roy Lemasters, Jr., a single man, by his Attorney-	SWN Production Company, LLC	18.00%	231A/332
in-Fact Neita M. Pound		ļ	
Lee R. Lemasters and Carla J. Lemasters, husband and	SWN Production Company, LLC	18.00%	231A/362
wife			
-	SWN Production Company, LLC	18.00%	233A/932
his sole and separate property	CHAIR CONTRACTOR CONTRACTOR	40.000/	2201755
Kristina D. Marks and Joshua A. Marks, wife and husband	SWN Production Company, LLC	18.00%	239A/656
Kimberly A. Hill. a widow	SWN Production Company, LLC	10.000/	3334/553
Killberry A. Filii, a wildow	Sava Production Company, CCC	18.00%	233A/562
Kevin Lemasters and Sandra C. Lemasters, husband	SWN Production Company, LLC	18.00%	234A/853
and wife			
Kelly J. Wooley, a married woman dealing in her sole	SWN Production Company, LLC	18.00%	224A/484
and separate property			
Keith J. Lemasters and Gloria S. Lemasters, husband	SWN Production Company, LLC	18.00%	231A/350
and wife			
Kathleen M. Wilson, a widow	SWN Production Company, LLC	18.00%	234A/877
Karen Jane Mcafoos f/k/a Karen Jane Sauder, a	SWN Production Company, LLC	18.00%	236A/49
married woman dealing in her sole and separate		1	1
property		<u> </u>	
Karen G. Kuhn a/k/a Karen Harbert Kuhn, a widow	SWN Production Company, LLC	18.00%	194A/936
CIAMA Destruction Con	la	1	
SWN Production Company, LLC	Equinor USA Onshore Properties, Inc.		215A/650
Joseph F. Frey and Judy Ann Frey, husband and wife	SWN Production Company, LLC	16.00%	167A/433
SU/N Production Company 11C	State il USA Carboro Branchise Lee Jews Ford		1744/544
SWN Production Company, LLC	Statoil USA Onshore Properties, Inc. (now Equinor	1	174A/544
Juanita Lee Meekins, a married woman dealing in her	USA Onshore Properties, Inc.)	18.00%	235A/592
sole and separate property	See Froudence Company, LLC	10.3/076	499M4992
Vincent Goff and Joyce Goff, husband and wife	SWN Production Company, LLC	16.00%	166A/916
	The state of the s	10.00%	10074310
SWN Production Company, LLC	Statoil USA Onshore Properties, Inc. (now Equinor		182A/825
	USA Onshore Properties, Inc.)		1017,023
	SWN Production Company, LLC	18.00%	234A/593
Joyce Ann Lemasters, a widow		16.00%	168A/627
	ISWN Production Company IIIC		700405
Joseph Matthew Stocklash & Rhonda Stocklask,	SWN Production Company, LLC		} I
Joseph Matthew Stocklash & Rhonda Stocklask, husband and wife		1	174A/944/D1/202
Joseph Matthew Stocklash & Rhonda Stocklask, husband and wife	Statoil USA Onshore Properties, Inc. (now Equinor		1744044/21/202
Joyce Ann Lemasters, a widow Joseph Matthew Stocklash & Rhonda Stocklask, husband and wife SWN Production Company, LLC Jonathan S. Lemasters, a married man dealing in his		18.00%	1744 <mark>(344/2</mark> 1/202
Joseph Matthew Stockfash & Rhonda Stocklask, husband and wife SWN Production Company, LLC	Statoil USA Onshore Properties, Inc. (now Equinor USA Onshore Properties, Inc.) SWN Production Company, LLC		
Joseph Matthew Stockfash & Rhonda Stocklask, husband and wife SWN Production Company, LLC Jonathan S. Lemasters, a married man dealing in his	Statoil USA Onshore Properties, Inc. (now Equinor USA Onshore Properties, Inc.)		
Joseph Matthew Stocklash & Rhonda Stocklask, husband and wife SWN Production Company, LLC Jonathan S. Lemasters, a married man dealing in his sole and separate property Jonathan Kent Wood, a married man dealing in his sole and separate property	Statoil USA Onshore Properties, Inc. (now Equinor USA Onshore Properties, Inc.) SWN Production Company, LLC SWN Production Company, LLC	18.00% 15.00%	236A/345 284A/625
Joseph Matthew Stocklash & Rhonda Stocklask, husband and wife SWN Production Company, LLC Jonathan S. Lemasters, a married man dealing in his sole and separate property Jonathan Kent Wood, a married man dealing in his	Statoil USA Onshore Properties, Inc. (now Equinor USA Onshore Properties, Inc.) SWN Production Company, LLC	18.00%	236A/345

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Attached to and made a part of the State of West Virginia Oil and Gas Form, WW-6A1, by SWN Production Company, L.L.C, as Operator William Ritchea WTZ 210H Wetzel County, West Virginia

John K. Hill, a married man, dealing in his sole and	SWN Production Company, LLC	18.00%	201A/773
Separate property SWN Production Company, LLC	Environ (ION Co. A	1	
ohn David Rush and Judith Rush, husband and wife	Equinor USA Onshore Properties, Inc. SWN Production Company, LLC	16.00%	228A/409
WN Production Company, LLC		10.00%	166A/904
, ,,===	Stateil USA Onshore Properties, Inc. (now Equinor USA Onshore Properties, Inc.)		178A/221
WN Production Company, LLC	Statoil USA Onshore Properties, Inc. (now Equinor		182A/825
oan L. Lemley, a widow	USA Onshore Properties, Inc.)	ļ	<u> </u>
errold A. Franzi and Deborah L. Franzi, husband and	SWN Production Company, LLC	15.00%	289A/318
vife	SWN Production Company, LLC	18.00%	232A/56
ay Howard Millard, a married man dealing in his sole and separate property	SWN Production Company, LLC	18.00%	231A/338
ason James Blake and Sarah E. Cobbs, husband and	SWN Production Company, LLC	18.00%	225A/786
wife lames C. Withrow and Rizaline A. Withrow, husband	STATE Production Comment II C		
and wife	SWN Production Company, LLC	15.00%	283A/142
ames R. Jackson, a single man	SWN Production Company, LLC	18.00%	227A/735
ames Jim Burton and Tammy Lynn Burton, husband	SWN Production Company, LLC	16.00%	167A/445
and wife SWN Production Company, ELC	Statolf USA Onshore Properties, Inc. (now Equinor		4744/244
<u> </u>	USA Onshore Properties, Inc.)		174A/544
ames H. Rush & Jane A. Rush, husband and wife	SWN Production Company, LLC	15.00%	289A/303
lames F. Snider, a married man dealing in his sole and	SWN Production Company, LLC	18.00%	223A/653
eparate property lack D. White, a single man	SWN Production Company, LLC	10.000	0004 /2
folly Hall Hatley, a single wornan	SWN Production Company, LLC	18.00%	232A/355
tarold R. Lemasters, Jr., a widower	SWN Production Company, LLC	18.00%	238A/22
tarian C. Wood	SWN Production Company, LLC	18.00%	240A/6
SWN Production Company, LLC	Statoil USA Onshore Properties, Inc. (now Equinor	10.00%	166A/901 178A/221
Philippe and the second	USA Onshore Properties, Inc.)		1704/221
WN Production Company, LLC	Statoil USA Onshore Properties, Inc. (now Equinor USA Onshore Properties, Inc.)		182A/825
Suy Elery Hawkins, a single man	SWN Production Company, LLC	16.004/	1701/100
WN Production Company, LLC	Statoil USA Onshore Properties, Inc. (now Equinor	16.00%	170A/469 182A/825
	USA Onshore Properties, Inc.)	1	102,7023
Gregory Paul Wood, a single man	SWN Production Company, LLC	15.00%	284A/620
Geraldine Anne Jackson, a single woman	SWN Production Company, LLC	15.00%	283A/116
Serald Brett Hawkins and Julie A. Hawkins, husband	SWN Production Company, LLC	16.00%	168A/624
and wife SWN Production Company, LLC	Statoil USA Onshore Properties, Inc. (now Equinor		174A/544
	USA Onshore Properties, Inc.)	1	21.11.40.17
George Thomas Sapp, a single man	SWN Production Company, LLC	18.00%	233A/556
Gary Deffenbaugh and Virginia M. Deffenbaugh, nusband and wife	SWN Production Company, LLC	18.00%	237A/190
Sale Lee Hall, a married woman dealing in her sole	SWN Production Company, LLC	18.00%	247A/904
Sail G. Allen, a single woman	SWN Production Company, LLC	10 000	3004/507
rank Anthony Stocklask, a single man	SWN Production Company, LLC	18.00%	308A/597
SWN Production Company, LLC	Statoil USA Onshore Properties, Inc. (now Equinor	10.00%	167A/427 174A/544
Kermit E. Persinger and Frances Persinger, husband	USA Onshore Properties, Inc.) SWN Production Company, LLC		
and wife	Production company, LLC	16.00%	167A/454
SWN Production Company, LLC	Statoil USA Onshore Properties, Inc. (now Equinor		174A/544
dith A. Douglas, a widow	USA Onshore Properties, Inc.) SWN Production Company, LLC	10.000	2004/040
No. 10. 2 1 100 100 100 100 100 100 100 100 100	SWN Production Company, LLC	18.00% 18.00%	230A/529 222A/774
and wife Douglas Charles Wood, a married man dealing in his			
ole and separate property	SWN Production Company, tLC	15.00%	289A/308
Donna Sue Stevenson, a married woman dealing in ner sole and separate property	SWN Production Company, LLC	18.00%	229A/716
Donna L. Rattigan, a married woman dealing in her	SWN Production Company, LLC	18.00%	289A/313
iole and separate property Diana Whitlatch and Sam E. Whitlatch, wife and			
nusband	SWN Production Company, LLC	16.00%	167A/466
SWN Production Company, LLC	Statoil USA Onshore Properties, Inc. (now Equinor		174A/544
Dennis D. Schopper, a married man dealing in his sole	USA Onshore Properties, Inc.) SWN Production Company, LLC	18.00%	233A/583
and separate property Deborah Lamp, a single woman	<u> </u>		
	SWN Production Company, LLC SWN Production Company, LLC	18.00%	237A/166
	SWN Production Company, LLC	15.00% 18.00%	290A/77
Deborah L. Gardner, a single woman		40.0076	237A/196
Deborah L. Gardner, a single woman Deborah E. Mall-Ryan, a married woman dealing in her sole and separate property			
Deborah L. Gardner, a single woman Deborah E. Mall-Ryan, a married woman dealing in her sole and separate property Deborah D. Fisher, a married woman dealing in her	SWN Production Company, LLC	18.00%	233A/209
Deborah L. Gardner, a single woman Deborah E. Mall-Ryan, a married woman dealing in her sole and separate property Deborah D. Fisher, a married woman dealing in her sole and separate property David Russell Sauder and Amy S. Sauder, husband and	SWN Production Company, LLC	18.00%	233A/209 232A/361
Deborah L. Gardner, a single woman Deborah E. Mall-Ryan, a married woman dealing in her sole and separate property Deborah D. Fisher, a married woman dealing in her sole and separate property David Russell Sauder and Amy S. Sauder, husband and wife	SWN Production Company, LLC SWN Production Company, LLC	18.00%	232A/361
Deborah L. Gardner, a single woman Deborah E. Mall-Ryan, a married woman dealing in her sole and separate property Deborah D. Fisher, a married woman dealing in her sole and separate property David Russell Sauder and Amy S. Sauder, husband and wife David M. Carter, a widower	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	18.00%	232A/361 239 <mark>Q642/</mark>
Deborah L. Gardner, a single woman Deborah E. Hall-Ryan, a married woman dealing in her sole and separate property Deborah D. Fisher, a married woman dealing in her sole and separate property David Russell Sauder and Arny S. Sauder, husband and wife David M. Carter, a widower David B. Schartiger & Karla R. Schartiger, husband and wife	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	18.00%	232A/361
Deborah L. Gardner, a single woman Deborah E. Mall-Ryan, a married woman dealing in her sole and separate property Deborah D. Fisher, a married woman dealing in her sole and separate property David Russell Sauder and Arny S. Sauder, husband and wife David M. Carter, a widower David M. Schartiger & Karla R. Schartiger, husband and wife David A. Gaddis, a single man	SWN Production Company, LLC	18.00% 18.00% 18.00%	232A/361 239A/662/ 230A/523 293A/433
Deborah L. Gardner, a single woman Deborah E. Hall-Ryan, a married woman dealing in her cole and separate property Deborah D. Fisher, a married woman dealing in her cole and separate property David Russell Sauder and Amy S. Sauder, husband and wife David M. Carter, a widower David B. Schartiger & Karla R. Schartiger, husband and wife	SWN Production Company, LLC	18.00% 18.00% 18.00%	232A/361 239 (1642/ 230A/523

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EXHIBIT "A"

Attached to and made a part of the State of West Virginia Oil and Gas Form, WW-6A1, by SWN Production Company, L.L.C, as Operator William Ritchea WTZ 210H

Wetzel County, West Virginia

Dana Beth Dakland, a married woman, dealing in sole and separate property	her SWN Production Company, LLC	18.00%	199A/505	
Dale F. Sapp, a single man	SWN Production Company, LLC	18.00%	232A/50	
Corinda Kay Nail, a married woman, dealing in he	SWN Production Company, LLC	18.00%	206A/576	
sole and separate property			MEST CAP I	
Cindy L Volanty f/k/a Cindy Lou Lemasters, a sin	gle SWN Production Company, LLC	18,00%	236A/687	
woman	J. Pont Section 1997	44 5000	Name (CO.)	
Christy Holmes and Danny L. Holmes, husband a	SWN Production Company, LLC	16.00%	167A/448	
SWN Production Company, LLC	Statoil USA Onshore Properties, Inc. (now Equinor		174A/544	
Stell Frontieron Company, LLC	USA Onshore Properties, Inc.)		47462544	
Christopher Thomas Wood, a married man dealing		15.00%	248A/620	
his sole and separate property		36-77-8-1	Sensitives i	
Chelsea Oakland, a single woman	SWN Production Company, LLC	18.00%	200A/547	
SWN Production Company, LLC	Equinor USA Onshore Properties, Inc.	1	228A/409	
Charles R. White, a/k/a Charles Robert White	SWN Production Company, LLC	18.00%	232A/68	
Chadana I Babbia (Mila Chadana I Walff and Ma	4.0 C1010-1-1-1-C	10 000	2754 /455	
Charlene I. Robbin I/k/a Charlene I. Kraft and Ma Robbin, wife and husband	rk B. SWN Production Company, LLC	18,00%	235A/459	
Chad K. Shartiger	SWN Production Company, LLC	18.00%	238A/800	
Carol J. Browniee, a single woman	SWN Production Company, LLC	18.00%	223A/671	1
Carol E. Garrett, a single woman	SWN Production Company, LLC	18.00%	308A/602	
Brittany D. Crow, a single woman	SWN Production Company, LLC	18.00%	249A/763	6
Brianne Nicole Wood, a single woman	SWN Production Company, LLC	15.00%	304A/346	5
Brian Keith Lemasters, a married man dealing in		18.00%	237A/184	
sole and separate property	The state of the s	55.05.474	2.31003	
Bret Stiffler, a married man dealing in his sole an	d SWN Production Company, LLC	18.00%	224A/490	
separate property			E.E.A.S.C.N.	
Brenda K. Ebert, a married woman dealing in her	sole SWN Production Company, LLC	18.00%	236A/351	
and separate property			3.0	
Alfred Burns and Belinda Burns, husband and wi	e SWN Production Company, LLC	16.00%	166A/907	
Access to the second se			TOTAL .	
SWN Production Company, LLC	Statoil USA Onshore Properties, Inc. (now Equinor		186A/240	
	USA Onshare Properties, Inc.)			
Beatrice Irene Morelock, a single woman	SWN Production Company, LLC	16.00%	245A/410	0
April Lea Fluharty, a married woman dealing in h	er SWN Production Company, LLC	15.00%	287A/888	
sole and separate property	- Company of the Section 165	10.000	2404/552	
Anne Deepak, a married woman dealing in her s	ole SWN Production Company, LLC	18.00%	248A/662	
and separate property Amanda M. Lopez and Jesus G. Lopez, wife and	SWN Production Company, LLC	18,00%	239A/668	
husband	- The Committee of State of St	200,000	23374.000	
Allen J. Hall, a single man	SWN Production Company, LLC	18.00%	237A/831	
Alfred Burton and Linda A. Burton, husband and		16,00%	167A/439	
		3.32.0	100	
SWN Production Company, LLC	Statoil USA Onshore Properties, Inc. (now Equinor		174A/544	
The state of the second st	USA Onshore Properties, Inc.)			
				0.2
Royalty Owner	N/A	N/A	N/A	0.2
Christopher S. Burbridge, a single man	N/A SWN Production Company, LLC	16.000%	251A/451	0.2
	N/A			0.4
Christopher S. Burbridge, a single man	N/A SWN Production Company, LLC SWN Production Company, LLC	16.000%	251A/451	0.4
Christopher S. Burbridge, a single man Marilyn Jane Erwin a/k/a Jane Erwin, a married woman dealing in her sole and separate propert	N/A SWN Production Company, LLC SWN Production Company, LLC	16.000% 15.00%	251A/451 249A/781	0.4
Christopher S. Burbridge, a single man Marilyn Jane Erwin a/k/a Jane Erwin, a married woman dealing in her sole and separate propert Willard C. Border, Ir., a married man dealing in h	N/A SWN Production Company, LLC SWN Production Company, LLC	16.000%	251A/451	0.2
Christopher S. Burbridge, a single man Marilyn Jane Erwin a/k/a Jane Erwin, a married woman dealing in her sole and separate propert Willard C. Border, Ir., a married man dealing in it sole and separate property	N/A SWN Production Company, LLC SWN Production Company, LLC Y SWN Production Company, LLC	15.00% 15.00%	251A/451 249A/781 250A/247	0.2
Christopher S. Burbridge, a single man Marilyn Jane Erwin a/k/a Jane Erwin, a married woman dealing in her sole and separate propert Willard C. Border, Ir., a married man dealing in it sole and separate property Jacquelyn Anne Moniak, a widow	N/A SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	15.00% 15.00% 15.00%	251A/451 249A/781 250A/247 250A/242	0.2
Christopher S. Burbridge, a single man Marilyn Jane Erwin a/k/a Jane Erwin, a married woman dealing in her sole and separate propert Willard C. Border, Ir., a married man dealing in it sole and separate property Jacquelyn Anne Moniak, a widow Roberta Elleen Hart, a amrried woman dealing in	N/A SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	15.00% 15.00%	251A/451 249A/781 250A/247	0.2
Christopher S. Burbridge, a single man Marilyn Jane Erwin a/k/a Jane Erwin, a married woman dealing in her sole and separate propert Williard C. Border, Ir., a married man dealing in it sole and separate property Jacquelyn Anne Moniak, a widow Roberta Eileen Hart, a amrried woman dealing in sole and separate property	N/A SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC swn Production Company, LLC swn Production Company, LLC	15,00% 15,00% 15,00% 15,00%	251A/451 249A/781 250A/247 250A/242 249A/183	
Christopher S. Burbridge, a single man Marilyn Jane Erwin a/k/a Jane Erwin, a married woman dealing in her sole and separate propert Williard C. Border, Ir., a married man dealing in it sole and separate property Jacquelyn Anne Moniak, a widow Roberta Eileen Hart, a amrried woman dealing it sole and separate property Kyle 1. Burbridge, a single man	N/A SWN Production Company, LLC	15,00% 15,00% 15,00% 15,00% 15,00%	251A/451 249A/781 250A/247 250A/242 249A/183 251A/445	
Christopher S. Burbridge, a single man Marilyn Jane Erwin a/k/ā Jane Erwin, a married woman dealing in her sole and separate propert Willard C. Border, Ir., a married man dealing in it sole and separate property Jacquelyn Anne Moniak, a widow Roberta Eileen Hart, a amrried woman dealing it sole and separate property Kyle J. Burbridge, a single man Bradley D. Morris, a single man	N/A SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC her SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	15,00% 15,00% 15,00% 15,00% 15,00%	251A/451 249A/781 250A/247 250A/242 249A/183 251A/445 252A/43	
Christopher S. Burbridge, a single man Marilyn Jane Erwin a/k/a Jane Erwin, a married woman dealing in her sole and separate propert Willard C. Border, Ir., a married man dealing in the sole and separate property Jacquelyn Anne Moniak, a widow Roberta Eileen Hart, a amrried woman dealing in sole and separate property Kyle J. Burbridge, a single man Bradley D. Morris, a single man Rachel M. Yoho, a/k/a Rachel Yoho Markin, a m.	N/A SWN Production Company, LLC	15,00% 15,00% 15,00% 15,00% 15,00%	251A/451 249A/781 250A/247 250A/242 249A/183 251A/445	
Christopher S. Burbridge, a single man Marilyn Jane Erwin a/k/ā Jane Erwin, a married woman dealing in her sole and separate propert Willard C. Border, Ir., a married man dealing in it sole and separate property Jacquelyn Anne Moniak, a widow Roberta Eileen Hart, a amrried woman dealing it sole and separate property Kyle J. Burbridge, a single man Bradley D. Morris, a single man	N/A SWN Production Company, LLC	15,00% 15,00% 15,00% 15,00% 15,00%	251A/451 249A/781 250A/247 250A/242 249A/183 251A/445 252A/43	
Christopher S. Burbridge, a single man Marilyn Jane Erwin a/k/a Jane Erwin, a married woman dealing in her sole and separate propert Willard C. Border, ir., a married man dealing in it sole and separate property Jacquelyn Anne Moniak, a widow Roberta Elleen Hart, a amrried woman dealing in sole and separate property Syle I. Burbridge, a single man Bradley D. Morris, a single man Rachel M. Yoho, a/k/a Rachel Yoho Markin, a m. woman dealing in her sole and separate property	N/A SWN Production Company, LLC	15,00% 15,00% 15,00% 15,00% 15,00%	251A/451 249A/781 250A/247 250A/242 249A/183 251A/445 252A/43	
Christopher S. Burbridge, a single man Marilyn Jane Erwin a/k/a Jane Erwin, a married woman dealing in her sole and separate propert Willard C. Border, Ir., a married man dealing in the sole and separate property Jacquelyn Anne Moniak, a widow Roberta Eileen Hart, a amrried woman dealing in sole and separate property Kyle J. Burbridge, a single man Bradley D. Morris, a single man Rachel M. Yoho, a/k/a Rachel Yoho Markin, a m.	N/A SWN Production Company, LLC	15.00% 15.00% 15.00% 15.00% 15.00% 16.00% 18.00%	251A/451 249A/781 250A/247 250A/242 249A/183 251A/445 252A/43 251A/457	
Christopher S. Burbridge, a single man Marilyn Jane Erwin a/k/a Jane Erwin, a married woman dealing in her sole and separate propert Willard C. Border, Ir., a married man dealing in it sole and separate property Jacquelyn Anne Moniak, a widow. Roberta Eileen Hart, a amrried woman dealing in sole and separate property Kyle J. Burbridge, a single man Bradley D. Morris, a single man Rachel M. Yoho, a/k/a Rachel Yoho Markin, a m. woman dealing in her sole and separate propert Waylen E. Whitaker, a widower	N/A SWN Production Company, LLC	15.00% 15.00% 15.00% 15.00% 15.00% 16.00% 18.00% 18.00%	251A/451 249A/781 250A/247 250A/242 249A/183 251A/445 252A/43 251A/457	
Christopher S. Burbridge, a single man Marilyn Jane Erwin a/k/a Jane Erwin, a married woman dealing in her sole and separate propert Willard C. Border, Ir., a married man dealing in it sole and separate property Jacquelyn Anne Moniak, a widow. Roberta Eileen Hart, a amrried woman dealing in sole and separate property Kyle J. Burbridge, a single man Bradley D. Morris, a single man Rachel M. Yoho, a/k/a Rachel Yoho Markin, a m. woman dealing in her sole and separate propert Waylen E. Whitaker, a widower	N/A SWN Production Company, LLC	15.00% 15.00% 15.00% 15.00% 15.00% 16.00% 18.00% 18.00%	251A/451 249A/781 250A/247 250A/242 249A/183 251A/445 252A/43 251A/457	
Christopher S. Burbridge, a single man Marilyn Jane Erwin a/k/a Jane Erwin, a married woman dealing in her sole and separate property Jacquelyn Anne Moniak, a widow Roberta Eileen Hart, a amrried woman dealing in sole and separate property Kyle 1. Burbridge, a single man Bradley D. Morris, a single man Rachel M. Yoho, a/k/a Rachel Yoho Markin, a m. woman dealing in her sole and separate property Kyle 1. Burbridge, a single man Bradley D. Morris, a single man Rachel M. Yoho, a/k/a Rachel Yoho Markin, a m. woman dealing in her sole and separate property Waylen E. Whitaker, a widower Arland J. Pearce & Helen S, Pearce, husband and	N/A SWN Production Company, LLC	15.00% 15.00% 15.00% 15.00% 15.00% 16.00% 18.00% 18.00%	251A/451 249A/781 250A/247 250A/242 249A/183 251A/445 252A/43 251A/457 252A/43 251A/457	
Christopher S. Burbridge, a single man Marilyn Jane Erwin a/k/a Jane Erwin, a married woman dealing in her sole and separate property Jacquelyn Anne Moniak, a widow Roberta Eileen Hart, a amrried woman dealing in sole and separate property Kyle 1. Burbridge, a single man Bradley D. Morris, a single man Rachel M. Yoho, a/k/a Rachel Yoho Markin, a m. woman dealing in her sole and separate propert Waylen E. Whitaker, a widower Arland J. Pearce & Helen S, Pearce, husband and Tammy L. Lewis, f/k/a Tammy L. Pearce, a married	N/A SWN Production Company, LLC	15.00% 15.00% 15.00% 15.00% 15.00% 16.00% 18.00% 18.00%	251A/451 249A/781 250A/247 250A/242 249A/183 251A/445 252A/43 251A/457 252A/43 251A/457	
Christopher S. Burbridge, a single man Marilyn Jane Erwin a/k/a Jane Erwin, a married woman dealing in her sole and separate property Jacquelyn Anne Moniak, a widow Roberta Eileen Hart, a amrried woman dealing in sole and separate property Kyle 1. Burbridge, a single man Bradley D. Morris, a single man Rachel M. Yoho, a/k/a Rachel Yoho Markin, a m. woman dealing in her sole and separate propert Waylen E. Whitaker, a widower Arland J. Pearce & Helen S, Pearce, husband and Tammy L. Lewis, f/k/a Tammy L. Pearce, a married	N/A SWN Production Company, LLC	15.00% 15.00% 15.00% 15.00% 15.00% 16.00% 18.00% 18.00%	251A/451 249A/781 250A/247 250A/242 249A/183 251A/445 252A/43 251A/457 252A/43 251A/457	
Christopher S. Burbridge, a single man Marilyn Jane Erwin a/k/a Jane Erwin, a married woman dealing in her sole and separate propert Willard C. Border, Ir., a married man dealing in it sole and separate property Jacquelyn Anne Moniak, a widow Roberta Eileen Hart, a amrried woman dealing it sole and separate property Kyle J. Burbridge, a single man Bradley D. Morris, a single man Rachel M. Yoho, a/k/a Rachel Yoho Markin, a m. woman dealing in her sole and separate propert Waylen E. Whitaker, a widower Arland J. Pearce & Helen S, Pearce, husband and Tammy L. Lewis, i/k/a Tammy L. Pearce, a marriwoman dealing in her sole and separate propert woman dealing in her sole and separate propert	N/A SWN Production Company, LLC	15,00% 15,00% 15,00% 15,00% 15,00% 16,00% 18,00% 18,00% 18,00%	251A/451 249A/781 250A/247 250A/242 249A/183 251A/445 252A/43 251A/457 252A/647 252A/25 253A/167	
Christopher S. Burbridge, a single man Marilyn Jane Erwin a/k/a Jane Erwin, a married woman dealing in her sole and separate propert Willard C. Border, Ir., a married man dealing in it sole and separate property Jacquelyn Anne Moniak, a widow Roberta Eileen Hart, a amrried woman dealing it sole and separate property Kyle J. Burbridge, a single man Bradley D. Morris, a single man Rachel M. Yoho, a/k/a Rachel Yoho Markin, a m. woman dealing in her sole and separate propert Waylen E. Whitaker, a widower Arland J. Pearce & Helen S, Pearce, husband and Tammy L. Lewis, i/k/a Tammy L. Pearce, a marriwoman dealing in her sole and separate propert Cody Alan Pearce, a minor, by David C. White, E.	N/A SWN Production Company, LLC	15,00% 15,00% 15,00% 15,00% 15,00% 16,00% 18,00% 18,00% 18,00%	251A/451 249A/781 250A/247 250A/242 249A/183 251A/445 252A/43 251A/457 252A/647 252A/25 253A/167	
Christopher S. Burbridge, a single man Marilyn Jane Erwin a/k/a Jane Erwin, a married woman dealing in her sole and separate property. Williard C. Border, Ir., a married man dealing in it sole and separate property. Jacquelyn Anne Moniak, a widow. Roberta Eileen Hart, a amrried woman dealing in sole and separate property. Kyle J. Burbridge, a single man Bradley D. Morris, a single man Bradley D. Morris, a single man Rachel M. Yoho, a/k/a Rachel Yoho Markin, a m. woman dealing in her sole and separate propert. Waylen E. Whitaker, a widower Arland J. Pearce & Helen S, Pearce, husband and Tammy L. Lewis, f/k/a Tammy L. Pearce, a marri woman dealing in her sole and separate propert. Cody Alan Pearce, a minor, by David C. White, E. Special Commissioner	N/A SWN Production Company, LLC	15.00% 15.00% 15.00% 15.00% 15.00% 16.00% 18.00% 18.00% 18.00%	251A/451 249A/781 250A/247 250A/242 249A/183 251A/445 252A/43 251A/457 252A/647 252A/25 253A/167	
Christopher S. Burbridge, a single man Marilyn Jane Erwin a/k/a Jane Erwin, a married woman dealing in her sole and separate property. Williard C. Border, Ir., a married man dealing in it sole and separate property. Jacquelyn Anne Moniak, a widow. Roberta Eileen Hart, a amrried woman dealing in sole and separate property. Kyle J. Burbridge, a single man Bradley D. Morris, a single man Bradley D. Morris, a single man Rachel M. Yoho, a/k/a Rachel Yoho Markin, a m. woman dealing in her sole and separate propert. Waylen E. Whitaker, a widower Arland J. Pearce & Helen S, Pearce, husband and Tammy L. Lewis, f/k/a Tammy L. Pearce, a marri woman dealing in her sole and separate propert. Cody Alan Pearce, a minor, by David C. White, E. Special Commissioner	N/A SWN Production Company, LLC	15.00% 15.00% 15.00% 15.00% 15.00% 16.00% 18.00% 18.00% 18.00%	251A/451 249A/781 250A/247 250A/242 249A/183 251A/445 252A/43 251A/457 252A/647 252A/25 253A/167	
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Christopher S. Burbridge, a single man Marilyn Jane Erwin a/k/a Jane Erwin, a married woman dealing in her sole and separate property. Williard C. Border, Ir., a married man dealing in it sole and separate property. Jacquelyn Anne Moniak, a widow. Roberta Eileen Hart, a amrried woman dealing is sole and separate property. Kyle J. Burbridge, a single man. Bradley D. Morris, a single man. Bradley D. Morris, a single man. Rachel M. Yoho, a/k/a Rachel Yoho Markin, a m. woman dealing in her sole and separate propert. Waylen E. Whitaker, a widower. Arland J. Pearce & Helen S, Pearce, husband and Tammy L. Lewis, f/k/a Tammy L. Pearce, a marriwoman dealing in her sole and separate propert. Cody Alan Pearce, a minor, by David C. White, E. Special Commissioner. Jared L. Broyles f/k/a Jared L. Pearce, a single m. Michael Allen Pearce, a married man dealing in sole and separate property. Linda J. Hughes, a single woman.	N/A SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	15,00% 15,00% 15,00% 15,00% 15,00% 16,00% 18,00% 18,00% 18,00% 18,00% 18,00%	251A/451 249A/781 250A/247 250A/242 249A/183 251A/445 252A/43 251A/457 252A/25 253A/167 253A/570 249A/189 252A/851 252A/851	
Christopher S. Burbridge, a single man Marilyn Jane Erwin a/k/a Jane Erwin, a married woman dealing in her sole and separate property. Willard C. Border, Ir., a married man dealing in it sole and separate property. Jacquelyn Anne Moniak, a widow. Roberta Elleen Hart, a amrried woman dealing in sole and separate property. Kyle J. Burbridge, a single man Bradley D. Morris, a single man Bradley D. Morris, a single man Rachel M. Yoho, a/k/a Rachel Yoho Markin, a m. woman dealing in her sole and separate propert. Waylen E. Whitaker, a widower. Arland J. Pearce & Helen S, Pearce, husband and Tammy L. Lewis, i/k/a Tammy L. Pearce, a marriwoman dealing in her sole and separate propert. Cody Alan Pearce, a minor, by David C. White, E. Special Commissioner. Jared L. Broyles f/k/a Jared L. Pearce, a single m. Michael Allen Pearce, a married man dealing in sole and separate property. Linda J. Hughes, a single woman. Tribune Resources, LLC.	N/A SWN Production Company, LLC	15.00% 15.00% 15.00% 15.00% 15.00% 16.00% 18.00% 18.00% 18.00% 18.00% 16.00%	251A/451 249A/781 250A/247 250A/242 249A/183 251A/445 252A/43 251A/457 252A/647 252A/25 253A/167 253A/570 249A/189 252A/851 252A/851 252A/31 248A/122	
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Christopher S. Burbridge, a single man Marilyn Jane Erwin a/k/a Jane Erwin, a married woman dealing in her sole and separate property Jacquelyn Anne Moniak, a widow. Roberta Eileen Hart, a amrried woman dealing in sole and separate property Jacquelyn Anne Moniak, a widow. Roberta Eileen Hart, a amrried woman dealing in sole and separate property Kyle I. Burbridge, a single man Bradley D. Morris, a single man Rachel M. Yoho, a/k/a Rachel Yoho Markin, a m. woman dealing in her sole and separate propert Waylen E. Whitaker, a widower Arland J. Pearce & Helen S, Pearce, husband and Tammy L. Lewis, f/k/a Tammy L. Pearce, a marriwoman dealing in her sole and separate propert Cody Alan Pearce, a minor, by David C. White, E. Special Commissioner Jared L. Broyles f/k/a Jared L. Pearce, a single m Michael Allen Pearce, a married man dealing in sole and separate property Linda J. Hughes, a single woman Tribune Resources, LLC Tawni L. DeCarlo, a married woman dealing in his le and separate property Scott W. Whitaker, a married man dealing in his le and separate property	N/A SWN Production Company, LLC	15.00% 15.00% 15.00% 15.00% 15.00% 16.00% 18.00% 18.00% 18.00% 18.00% 16.00%	251A/451 249A/781 250A/247 250A/242 249A/183 251A/445 252A/43 251A/457 252A/647 252A/25 253A/167 253A/570 249A/189 252A/851 252A/851 252A/31 248A/122	
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Attached to and made a part of the State of West Virginia Oil and Gas Form, WW-6A1, by SWN Production Company, L.L.C, as Operator William Ritchea WTZ 210H Wetzel County, West Virginia

	SWN Production Company, LLC	17.00%	252A/13
ompany TC, LLC, a Wyoming limited liability company	SWN Production Company, LLC	17.00%	252A/19
ost River Trading Company, LLC, a Wyoming limited ability company	SWN Production Company, LLC	17.00%	252A/7
hree Rivers Royalty II, LLC, Tiffany Culp - VP Land &	SWN Production Company, LLC	18.00%	250A/670
egal nda Berlin, f/k/a Linda Berlin-Lyons, a single woman	SWN Production Company, LLC	18.00%	252A/863
	<u> </u>		2527,003
ndrew Alan Berlin, a married man dealing in his sole and separate property	SWN Production Company, LLC	18.00%	252A/857
tephen Thomas Lewin-Berlin, a married man dealing	SWN Production Company, LLC	18.00%	252A/869
his sole and separate property			
	Drilling Appalachian Corporation	15.00%	164A/528
rilling Appalachlan Corporation	SWN Production Company, LLC and Statoil USA Onshore Properties, Inc.		178A/634
	Drilling Appalachian Corporation	15.00%	164A/550
rilling Appalachian Corporation	SWN Production Company, LLC and Statoil USA		178A/634
ndrew F. Smith	Onshore Properties, Inc. Drilling Appalachian Corporation	15.00%	165A/169
filling Appalachian Corporation	SWN Production Company, LLC and Statoil USA		178A/634
gie L. Balogh	Onshore Properties, Inc. Drilling Appalachian Corporation	15.000%	165A/758
rilling Appalachian Corporation	SWN Production Company, LLC and Statoil USA		178A/634
nice Miller	Onshore Properties, Inc. Drilling Appalachian Corporation	15.00%	166A/466
rilling Appalachian Corporation	SWN Production Company, LLC and Statoil USA	13.00%	178A/634
they Bayburna	Onshore Properties, Inc.	## AA4	455410
tsy Rayburn illing Appalachian Corporation	Drilling Appalachian Corporation SWN Production Company, LLC and Statoil USA	15.00%	166A/468 178A/634
	Onshore Properties, Inc.		
lichael Jones rilling Appalachian Corporation	Orilling Appalachian Corporation SWN Production Company, LLC and Statoil USA	15.00%	166A/470
B	Onshore Properties, Inc.	<u> </u>	178A/634
enee McConky	Drilling Appalachian Corporation	15.00%	166A/472
filing Appalachian Corporation	SWN Production Company, LLC and Statoil USA Onshore Properties, Inc.	1	178A/634
ndra Brace	Drilling Appalachian Corporation	15.00%	166A/563
illing Appalachian Corporation	SWN Production Company, LLC and Statoil USA		178A/634
rroline Haenszel and Robert Haenszel, husband and	Onshore Properties, Inc. Drilling Appalachian Corporation	15.00%	166A/565
ife			
illing Appalachian Corporation	SWN Production Company, LLC and Statoll USA Onshore Properties, Inc.	1	178A/634
illiam Thomas Schrader	Driffing Appalachian Corporation	15.00%	168A/194
illing Appalachian Corporation	SWN Production Company, LLC and Statoil USA Onshore Properties, Inc.		178A/634
eorge Bridgewater III and Carmen Bridgewater,	Orilling Appalachian Corporation	15.00%	168A/198
usband and wife		į	
rilling Appalachian Corporation	SWN Production Company, LLC and Statoil USA Onshore Properties, Inc.		178A/634
Ponald L. Schrader	Drilling Appalachian Corporation	15.00%	168A/204
rilling Appalachian Corporation	SWN Production Company, LLC and Statoil USA Onshore Properties, Inc.		178A/634
Denise Jones, a widow	Drilling Appalachian Corporation	18.00%	169A/298
Prilling Appalachian Corporation	SWN Production Company, LLC and Statoit USA		178A/634
ynn Poor Snowden, widow	Onshore Properties, Inc. Drilling Appalachian Corporation	15.000%	171A/206
rilling Appalachian Corporation	SWN Production Company, LLC and Statoil USA		178A/634
Villiam Joshua Schrader	Onshore Properties, Inc. Drilling Appalachian Corporation	15.00%	172A/289
Villant Joshua Schrader Drilling Appalachian Corporation	SWN Production Company, LLC and Statoil USA	13.00%	172A/289 178A/634
	Onshore Properties, Inc.		4======
Prilling Appalachian Corporation Prilling Appalachian Corporation	Drilling Appalachian Corporation SWN Production Company, LLC and Statoil USA	16.00%	173A/196 178A/634
	Onshore Properties, Inc.		
harles L. Inman, a married man dealing in his sole and separate property	SWN Production Company, LLC	18.00%	253A/193
avid L. Strosnider, a married man dealing in his sole	SWN Production Company, LLC	18.00%	253A/199
nd separate property	SMM Draduction Comment 11C	40.000	3574/405
avid M. Strosnider & Deborah M. Strosnider, usband and wife	SWN Production Company, LLC	18.00%	253A/180
hirley Strosnider, a widow	SWN Production Company, LLC	18.00%	253A/187
tanta financia a mancia di comunica di altica de la coloria.	d SWN Production Company, LLC	18.00%	253A/173
•	SWIN Production Company 11C	18.00%	235A/161
separate property	partit riodaction company, the		1
separate property Debra M. Kemp, a married woman dealing in her sole and separate property		48.5	2524-5-4
•	SWN Production Company, LLC SWN Production Company, LLC	18.00% 18.00%	253A/349 253A/155
separate property Debra M. Kemp, a married woman dealing in her sole and separate property Diana L. Amold, a single woman Rhonda J. Dominguez, a married woman dealing in her sole and separate property	SWN Production Company, LLC SWN Production Company, LLC	18.00%	253AV 155
separate property Debra M. Kemp, a married woman dealing in her sole and separate property Diana L. Amold, a single woman Rhonda J. Dominguez, a married woman dealing in her sole and separate property Virginia M. Lee Ledoux, a married woman dealing in	SWN Production Company, LLC		253A/143
separate property Debra M. Kemp, a married woman dealing in her sole and separate property Diana L. Arnold, a single woman Rhonda J. Dominguez, a married woman dealing in her sole and separate property	SWN Production Company, LLC SWN Production Company, LLC	18.00%	253AV 155

EXHIBIT "A"

Attached to and made a part of the State of West Virginia Oil and Gas Form, WW-6A1, by SWN Production Company, L.L.C, as Operator William Ritchea WTZ 210H

Wetzel County, West Virginia

Janice A. Adams, a/k/a Jan A. Adams, a married woman dealing in her sole and separate property	SWN Production Company, LLC	18.00%	253A/501
Kerri A. Strosnider, a widow and not remarried	SWN Production Company, LLC		
and the state of t	SWW Production Company, LLC	18.00%	253A/576
Lois Sharrard, a widow	SWN Production Company, LLC	18.00%	253A/495
William J. Burbridge, a married man dealing in his and separate property		18.00%	253A/489
Terea J. Capers, a married woman dealing in her and separate property	sole SWN Production Company, LLC	18.00%	253A/132
Lorraine S. Strosnider, a sinfgle woman	SWN Production Company, LLC	18.00%	253A/583
Stephen A. Coombs Antero Resources Corporation	Antero Resources Corporation SWN Production Company, LLC, and Equinor USA	18,00%	253A/553 262A/290
Thomas S. Harper	Onshore Properties SWN Production Company, LLC	10.000/	2011/022
Morgan Yoho Antero Resources Corporation	Antero Resources Corporation SWN Production Company, LLC, and Equinor USA	18.00% 18.00%	254A/123 262A/290
Andrew Yoha	Onshore Properties Antero Resources Corporation	18,00%	254A/125
Antero Resources Corporation Angela Robertson	SWN Production Company, LLC, and Equinor USA Onshore Properties		262A/290
Antero Resources Corporation	Antero Resources Corporation SWN Production Company, LLC, and Equinor USA Onshore Properties	18.00%	257A/412 262A/290
Danny Yoho Antero Resources Corporation	Antero Resources Corporation SWN Production Company, LLC, and Equinor USA	18,00%	254A/117 262A/290
Royalty Owner(s)	Onshore Properties	KIZA	100
Christopher S. Burbridge, a single man	SWN Production Company, LLC	N/A 16:000%	N/A 0.2 251A/451
Marilyn Jane Erwin a/k/a Jane Erwin, a married woman dealing in her sole and separate property	SWN Production Company, LLC	15.00%	251A/451 249A/781
Willard ⊂ Border, Jr., a married man dealing in his sole and separate property	SWN Production Company, LLC	15.00%	250A/247
Jacquelyn Anne Moniak, a widow	SWN Production Company, LLC	15,00%	250A/242
Roberta Eileen Hart, a amrried woman dealing in sole and separate property	ner: SWN Production Company, LLC	15,00%	249A/183
Kyle J. Burbridge, a single man	SWN Production Company, LLC	16.00%	251A/445
Bradley D. Morris, a single man Rachel M. Yoho, a/k/a Rachel Yoho Markin, a mac woman dealing in her sole and separate property	SWN Production Company, LLC ried SWN Production Company, LLC	18.00% 18.00%	252A/43 251A/457
Waylen E. Whitaker, a widower Arland J. Pearce & Helen S. Pearce, husband and v	SWN Production Company, LLC wife SWN Production Company, LLC	15.00% 18.00%	252A/647 252A/25
Tammy L Lewis, f/k/a Tammy L Pearce, a married woman dealing in her sole and separate property		18.00%	253A/167
Cody Alan Pearce, a minor, by David C. White, Esq	as SWN Production Company, LLC	18.00%	253A/570
Special Commissioner Jared L. Broyles f/k/a Jared L. Pearce, a single man	SWN Production Company, LLC	15.00%	249A/189
Michael Allen Pearce, a married man dealing in his	SWN Production Company, LLC	16.00%	252A/851
sole and separarte property Linda J. Hughes, a single woman	SWN Production Company, LLC	18.00%	2524/21
Tribune Resources, LLC	SWN Production Company, LLC	18.00%	252A/31 248A/122
Tawni L DeCarlo, a married woman dealing in her sole and separate property	SWN Production Company, LLC	15.00%	252A/70
Scott W. Whitaker, a married man dealing in his so and separate property		16.00%	252A/37
Keri L. Mock, a married woman dealing in her sole separate property	The Court Colonial Co	16.00%	252A/64
Robert M. White, a single man	SWN Production Company, LLC	15.00%	249A/769
Danielle White, a single woman	SWN Production Company, LLC	15.00%	249A/171
Leslie D. White, a single woman Kristy N. Callich, a single woman	SWN Production Company, LLC	15.00%	249A/177
Arbor Mineral Company, a Wyoming limited liabili company	SWN Production Company, LLC Ty SWN Production Company, LLC	15.00%	249A/775 252A/13
FTC, LLC, a Wyoming limited liability company	SWN Production Company, LLC	17.00%	252A/19
Lost River Trading Company, LLC a Wyoming limit liability company		17.00%	252A/7
Three Rivers Royalty II, LLC, Tiffany Culp VP Land Legal		18.00%	250A/670
Linda Berlin, f/k/a Linda Berlin-Lyons, a single wor		18.00%	252A/863
Andrew Also Berlin - massing	ole SWN Production Company, LLC	18.00%	252A/857
and separate property	1	10.000	2574 /055
Andrew Alan Berlin, a married man dealing in his s and separate property Stephen Thomas Lewin-Berlin, a married man deal in his sole and separate property	1	18,00%	04/21/2023

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Wy Crecanosin Environmental is

EXHIBIT "A"

Attached to and made a part of the State of West Virginia Oil and Gas Form, WW-6A1, by SWN Production Company, L.L.C, as Operator William Ritchea WTZ 210H Wetzel County, West Virginia

illing Appalachian Corporation	SWN Production Company, LLC and Statoil USA	1	178A/634 1
	Onshore Properties, Inc.		
	Orilling Appalachian Corporation	15.00%	165A/169
ifling Appalachian Corporation	SWN Production Company, LLC and Statoil USA		178A/634
	Onshore Properties, Inc.		
· ·	Drilling Appalachian Corporation	15.000%	165A/758
	SWN Production Company, LLC and Statoil USA		178A/634
	Onshore Properties, Inc.		4004 (400
	Drilling Appalachian Corporation	15.00%	166A/466
	SWN Production Company, LLC and Statoil USA Onshore Properties, Inc.		178A/634
	Drilling Appalachian Corporation	15.00%	166A/468
, ·	SWN Production Company, LLC and Statoil USA	13.00%	178A/634
• 17	Onshore Properties, Inc.	1	17547034
	Drilling Appalachian Corporation	15.00%	166A/470
	SWN Production Company, LLC and Statoil USA		178A/634
g . ,,,	Onshore Properties, Inc.		
enee McConky	Drilling Appalachian Corporation	15.00%	166A/472
·	SWN Production Company, LLC and Statoil USA		178A/634
	Onshore Properties, Inc.		
ndra Brace	Drilling Appalachian Corporation	15.00%	166A/563
	SWN Production Company, LLC and Statoil USA		178A/634
<u> </u>	Onshore Properties, Inc.		<u> </u>
aroline Haenszel and Robert Haenszel, husband and	Orilling Appalachian Corporation	15.00%	166A/565
ife	· · · · · · · · · · · · · · · · · · ·	i	`
rilling Appalachian Corporation	SWN Production Company, LLC and Statoil USA		178A/634
A: 46	Onshore Properties, Inc.		,
/illiam Thomas Schrader	Driffing Appalachian Corporation	15.00%	168A/194
rilling Appalachian Corporation	SWN Production Company, LLC and Statoil USA		178A/634
	Onshore Properties, Inc.]]
eorge Bridgewater III and Carmen Bridgewater,	Drilling Appalachian Corporation	15.00%	168A/198
usband and wife			
rilling Appalachian Corporation	SWN Production Company, LLC and Statoil USA		178A/634
g - pp. co., ro., po. 201011	Onshore Properties, Inc.]]
onald L. Schrader	Drilling Appalachian Corporation	15.00%	168A/204
rilling Appalachian Corporation	SWN Production Company, LLC and Statoil USA	13.00%	178A/634
ming representant corporation	Onshore Properties, Inc.		1,24,034
tantes lange a suidass		18.00%	1604 (200
enise Jones, a widow	Drilling Appalachian Corporation	18.00%	169A/298
rilling Appalachian Corporation	SWN Production Company, LLC and Statoil USA		178A/634
uno Boor Cnoudon widow	Onshore Properties, Inc.	15 0000	1714/205
ynn Poor Snowden, widaw	Orilling Appalachian Corporation	15.000%	171A/206
rilling Appalachian Corporation	SWN Production Company, LLC and Statoil USA	1	178A/634
Villiam Joshua Schrader	Onshore Properties, Inc.	15.00%	1724/200
	Drilling Appalachian Corporation	15.00%	172A/289
Orilling Appalachian Corporation	SWN Production Company, LLC and Statoil USA		178A/634
Million Americant Comments in	Onshore Properties, Inc.	26.000	173A/196
Orilling Appalachian Corporation	Drilling Appalachian Corporation	16.00%	1
Orilling Appalachian Corporation	SWN Production Company, LLC and Statoil USA		178A/634
	Onshore Properties, Inc.	10.000	3534/403
Charles L. Inman, a married man dealing in his sole	ISWN Production Company, LLC	18.00%	253A/193
ind separate property	5100 6 - 1 - 11 - 5 - 1 - 1 - 1 - 1 - 1 - 1 -	40.000	3534 (100
David L. Strosnider, a married man dealing in his sole	SWN Production Company, LLC	18.00%	253A/199
and separate property	loument at a second		2522 (252
Dayld M. Strosnider & Deborah M. Strosnider,	SWN Production Company, LLC	18.00%	253A/180
rusband and wife	Tanas I II a II a	<u> </u>	
Shirley Strosnider, a widow	SWN Production Company, LLC	18.00%	253A/187
Linda Bacon, a married woman dealing in her sole and	SWN Production Company, LLC	18.00%	253A/173
separate property			
Debra M. Kemp, a married woman dealing in her sole	SWN Production Company, LLC	18.00%	235A/161
and separate property		 	+
Diana L. Amold, a single woman	SWN Production Company, LLC	18.00%	253A/149
Rhonda J. Dominguez, a married woman dealing in	SWN Production Company, LLC	18.00%	253A/155
her sole and separate property		1	<u> </u>
Virginia M. Lee Ledoux, a married woman dealing in	SWN Production Company, LLC	18.00%	253A/143
her sole and separate property	<u> </u>	1	
	SWN Production Company, LLC	18.000%	253A/483
Cheryl S. Young, a widow			253A/501
	SWN Production Company, LLC	18.00%	2557/301
lanice A. Adams, a/k/a Jan A. Adams, a married		18.00%	2337/301
Janice A. Adams, a/k/a Jan A. Adams, a married			
Janice A. Adams, a/k/a Jan A. Adams, a married woman dealing in her sole and separate property		18.00%	253A/576
Janice A. Adams, a/k/a Jan A. Adams, a married woman dealing in her sole and separate property	SWN Production Company, LLC		
Cheryl S. Young, a widow Janice A. Adams, a/k/a Jan A. Adams, a married woman dealing in her sole and separate property Kerri A. Strosnider, a widow and not remarried Lois Sharrard, a widow	SWN Production Company, LLC		
Janice A. Adams, a/k/a Jan A. Adams, a married woman dealing in her sole and separate property Kerri A. Strosnider, a widow and not remarried Lois Sharrard, a widow	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	18.00%	253A/576
Janice A. Adams, a/k/a Jan A. Adams, a married woman dealing in her sole and separate property Kerri A. Strosnider, a widow and not remarried Lois Sharrard, a widow William J. Burbridge, a married man dealing in his sol	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	18.00%	253A/576 253A/495
Janice A. Adams, a/k/a Jan A. Adams, a married woman dealing in her sole and separate property Kerri A. Strosnider, a widow and not remarried Lois Sharrard, a widow William J. Burbridge, a married man dealing in his sol and separate property	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC e SWN Production Company, LLC	18.00%	253A/576 253A/495
Janice A. Adams, a/k/a Jan A. Adams, a married woman dealing in her sole and separate property Kerri A. Strosnider, a widow and not remarried Lois Sharrard, a widow William J. Burbridge, a married man dealing in his sol and separate property Terea J. Capers, a married woman dealing in her sole	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC e SWN Production Company, LLC	18.00% 18.00% 18.00%	253A/576 253A/495 253A/489
Janice A. Adams, a/k/a Jan A. Adams, a married woman dealing in her sole and separate property Kerri A. Strosnider, a widow and not remarried Lois Sharrard, a widow William J. Burbridge, a married man dealing in his sol and separate property Terea J. Capers, a married woman dealing in her sole and separate property	SWN Production Company, LLC	18.00% 18.00% 18.00%	253A/576 253A/495 253A/489
Janice A. Adams, a/k/a Jan A. Adams, a married woman dealing in her sole and separate property Kerri A. Strosnider, a widow and not remarried Lois Sharrard, a widow William J. Burbridge, a married man dealing in his sol and separate property Terea J. Capers, a married woman dealing in her sole and separate property Lorraine S. Strosnider, a sinfigle woman	SWN Production Company, LLC	18.00% 18.00% 18.00% 18.00%	253A/576 253A/495 253A/489 253A/132
Janice A. Adams, a/k/a Jan A. Adams, a married woman dealing in her sole and separate property Kerri A. Strosnider, a widow and not remarried Lois Sharrard, a widow William J. Burbridge, a married man dealing in his sol and separate property Terea J. Capers, a married woman dealing in her sole and separate property Lorraine S. Strosnider, a sinfgle woman Stephen A. Coombs	SWN Production Company, LLC Antero Resources Corporation	18.00% 18.00% 18.00% 18.00%	253A/576 253A/495 253A/489 253A/132 253A/583 253A/553
Janice A. Adams, a/k/a Jan A. Adams, a married woman dealing in her sole and separate property Kerri A. Strosnider, a widow and not remarried Lois Sharrard, a widow William J. Burbridge, a married man dealing in his sol and separate property Terea J. Capers, a married woman dealing in her sole and separate property Lorraine S. Strosnider, a sinfigle woman	SWN Production Company, LLC Antero Resources Corporation SWN Production Company, LLC, and Equinor USA	18.00% 18.00% 18.00% 18.00%	253A/576 253A/495 253A/489 253A/132 253A/583
Janice A. Adams, a/k/a Jan A. Adams, a married woman dealing in her sole and separate property Kerri A. Strosnider, a widow and not remarried Lois Sharrard, a widow William J. Burbridge, a married man dealing in his sol and separate property Terea J. Capers, a married woman dealing in her sole and separate property Lorraine S. Strosnider, a sinfgle woman Stephen A. Coombs Antero Resources Corporation	SWN Production Company, LLC Antero Resources Corporation SWN Production Company, LLC, and Equinor USA Onshore Properties	18.00% 18.00% 18.00% 18.00% 18.00%	253A/576 253A/495 253A/489 253A/132 253A/583 253A/553 262A/290
Janice A. Adams, a/k/a Jan A. Adams, a married woman dealing in her sole and separate property Kerri A. Strosnider, a widow and not remarried Lois Sharrard, a widow William J. Burbridge, a married man dealing in his sol and separate property Terea J. Capers, a married woman dealing in her sole and separate property Lorraine S. Strosnider, a sinfgle woman Stephen A. Coombs Antero Resources Corporation Thomas S. Harper	SWN Production Company, LLC Antero Resources Corporation SWN Production Company, LLC, and Equinor USA Onshore Properties SWN Production Company, LLC	18.00% 18.00% 18.00% 18.00% 18.00%	253A/576 253A/495 253A/489 253A/132 253A/583 253A/553 262A/290 254A/56A7/7
Janice A. Adams, a/k/a Jan A. Adams, a married woman dealing in her sole and separate property Kerri A. Strosnider, a widow and not remarried Lois Sharrard, a widow William J. Burbridge, a married man dealing in his sol and separate property Terea J. Capers, a married woman dealing in her sole and separate property Lorraine S. Strosnider, a sinfgle woman Stephen A. Coombs Antero Resources Corporation Thomas S. Harper Morgan Yoho	SWN Production Company, LLC Antero Resources Corporation SWN Production Company, LLC, and Equinor USA Onshore Properties SWN Production Company, LLC Antero Resources Corporation	18.00% 18.00% 18.00% 18.00% 18.00%	253A/576 253A/495 253A/489 253A/32 253A/583 253A/553 262A/290 254A/56A7/7 254A/123 4
Janice A. Adams, a/k/a Jan A. Adams, a married woman dealing in her sole and separate property Kerri A. Strosnider, a widow and not remarried Lois Sharrard, a widow William J. Burbridge, a married man dealing in his sol and separate property Terea J. Capers, a married woman dealing in her sole and separate property Lorraine S. Strosnider, a sinfgle woman Stephen A. Coombs Antero Resources Corporation Thomas S. Harper	SWN Production Company, LLC Antero Resources Corporation SWN Production Company, LLC, and Equinor USA Onshore Properties SWN Production Company, LLC Antero Resources Corporation SWN Production Company, LLC Antero Resources Corporation SWN Production Company, LLC	18.00% 18.00% 18.00% 18.00% 18.00%	253A/576 253A/495 253A/489 253A/132 253A/583 253A/553 262A/290 254A/56A7/7
Janice A. Adams, a/k/a Jan A. Adams, a married woman dealing in her sole and separate property Kerri A. Strosnider, a widow and not remarried Lois Sharrard, a widow William J. Burbridge, a married man dealing in his sol and separate property Terea J. Capers, a married woman dealing in her sole and separate property Lorraine S. Strosnider, a sinfgle woman Stephen A. Coombs Antero Resources Corporation Thomas S. Harper Morgan Yoho Antero Resources Corporation	SWN Production Company, LLC Antero Resources Corporation SWN Production Company, LLC, and Equinor USA Onshore Properties SWN Production Company, LLC Antero Resources Corporation SWN Production Company, LLC Antero Resources Corporation SWN Production Company, LLC Antero Resources Corporation SWN Production Company, LLC Antero Resources Corporation	18.00% 18.00% 18.00% 18.00% 18.00%	253A/576 253A/495 253A/489 253A/32 253A/583 253A/553 262A/290 254A/123 262A/290
Janice A. Adams, a/k/a Jan A. Adams, a married woman dealing in her sole and separate property Kerri A. Strosnider, a widow and not remarried Lois Sharrard, a widow William J. Burbridge, a married man dealing in his sol and separate property Terea J. Capers, a married woman dealing in her sole and separate property Lorraine S. Strosnider, a sinfgle woman Stephen A. Coombs Antero Resources Corporation Thomas S. Harper Morgan Yoho	SWN Production Company, LLC Antero Resources Corporation SWN Production Company, LLC, and Equinor USA Onshore Properties SWN Production Company, LLC Antero Resources Corporation SWN Production Company, LLC Antero Resources Corporation SWN Production Company, LLC	18.00% 18.00% 18.00% 18.00% 18.00% 18.00%	253A/576 253A/495 253A/489 253A/32 253A/583 253A/553 262A/290 254A/56A7/7 254A/123 4

Office of Oil and Ges

EXHIBIT "A"

Attached to and made a part of the State of West Virginia Oil and Gas Form, WW-6A1, by SWN Production Company, L.L.C, as Operator William Ritchea WTZ 210H Wetzel County, West Virginia

	Antero Resources Corporation	Antero Resources Corporation SWN Production Company, LLC, and Equinor USA Onshore Properties	18.00%	257A/412 262A/290	
	Danny Yoho Antero Resources Corporation	Antero Resources Corporation SWN Production Company, LLC, and Equinor USA	18.00%	254A/117 262A/290	
1-10-34	Royalty Owner(s)	Onshore Properties N/A	8070		
	Terry A. Moore	Drilling Appalachian Corporation	15.0000%	N/A 172A/562	9.1
	Drilling Appalachian Corporation	Antero Resources Corporation	12.0000%	179A/300	
	Antero Resources Corporation	SWN Production Company, LLC, and Equinor USA	1	272A/588	
1	Teresa Utt	Onshore Properties, Inc.		D 54450	
1	Drilling Appalachian Corporation	Drilling Appalachian Corporation	15.0000%	171A/189	
1	Antero Resources Corporation	Antero Resources Corporation	1	179A/300	
		SWN Production Company, LLC, and Equinor USA		272A/588	
1	Chesapeake Appalachia, L.L.C.	Onshore Properties, Inc. SWN Production Company, LLC	78 50 50		
	SWN Production Company, LLC and Statoil USA	Drilling Appalachian Corporation	12.5000%	166A/931	
1	Onshore Properties Inc.	a service of persons		174A/480	
1	Drilling Appalachian Corporation	Antero Resources Corporation	1	179A/300	
1	Antero Resources Corporation	SWN Production Company, LLC, and Equinor USA		272A/588	
	Sarah Darlana Grace of the South Posts	Onshore Properties, Inc.		2.2.4400	
	Sarah Darlene Gross a/k/a Sarah Darlene Midcap	SWN Production Company, LLC	18.0000%	309A/756	
	Roger Leroy Midcap Sr	COUNTRAL ASSESSMENT OF THE SECOND SEC		S. S. M. CO.	
1	Ricky D. Winland, a single man	SWN Production Company, LLC SWN Production Company, LLC	18.0000%	309A/761	
	Ralph G. Preston, a single man	SWN Production Company, LLC	15.0000%	303A/431	
	Rachel Rickman	Drilling Appalachian Corporation	15.0000%	289A/293	
	Drilling Appalachian Corporation	Antero Resources Corporation	15.0000%	172A/299	
	Antero Resources Corporation	SWN Production Company, LLC, and Equinor USA		179A/300	
	Record (1974)	Onshore Properties, Inc.	Lance	272A/588	
1	Piney Holdings, Inc.	SWN Production Company, LLC	20.0000%	295A/204	
	Pamela J. Riggenbach and Leslie Riggenbach	Drilling Appalachian Corporation	15,0000%	159A/377	
	Drilling Appalachian Corporation	La Constantina de la Constantina del Constantina de la Constantina		1000	
	Antero Resources Corporation	Antero Resources Corporation		179A/300	
	Twice headings curpulation	SWN Production Company, LLC, and Equinor USA		272A/588	
	BRC Appalachian Minerals LLC and BRC Minerals LP	Onshore Properties, Inc. BRC Working Interest Company LLC			
		one working interest company LLC	12.8750%	102A/505;	
	BRC Working Interest Company LLC	Chesapeake Appalachia, LLC		103A/320	
	Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties, Inc. (now Equinor		103A/470 120A/109	
M I	Photography a contract of the	USA Onshore Properties (nc.)		1204/105	
	Chesapeake Appatachia, LLC.	SWN Production Company, LLC		157A/540	
	Statoil USA Onshore Properties, Inc.	SWN Exchange Titleholder, LLC (now SWN Production		158A/801	
	SWN Production Company, LLC and Statoil USA	Company, LLC			
	Onshore Properties Inc.	Drilling Appalachian Corporation		174A/480	
	Drilling Appalachian Corporation	Antero Resources Corporation		12.72.6	
	Antero Resources Corporation	SWN Production Company, LLC, and Equinor USA		179A/300	
		Onshore Properties, Inc.		272A/588	
	Mark L. Preston, single	SWN Production Company, LLC	15.0000%	278A/693	
	Margaret E. Derby	Drilling Appalachian Corporation	15.0000%	171A/200	
	Drilling Appalachian Corporation Antero Resources Corporation	Antero Resources Corporation		179A/300	
	Minute Resources corporation	SWN Production Company, LLC, and Equinor USA		272A/588	
	Linda Sue Brady a/k/a Linda Sue Midcap, a married	Onshore Properties, Inc. SWN Production Company, LLC			
	woman dealing in her sole and separate property	SWN Production Company, LLC	18.0000%	309A/781	
	2 2 3 2 3 2 2 3 2 3 5 5 5 6 3 6 3 6 3 6 3 6 3 6 3 6 3 6 3				
	Johnnie Lee Midcap	SWN Production Company, LLC	18.0000%	309A/776	
	John W. Moore, a married man dealing in his sole and	SWN Production Company, LLC	18.0000%	308A/556	
	separate property		20,000,0	2007/230	
	John David Winland, a single man	SWN Production Company, LLC	15.0000%	302A/260	
	James R. Moore Drilling Appalachian Corporation	Drilling Appalachian Corporation	15.0000%	172A/295	
	Antero Resources Corporation	Antero Resources Corporation		179A/300	
	- The same of puration	SWN Production Company, LLC, and Equinor USA		272A/588	
	James Edward Midcap, a married man dealing in his	Onshore Properties, Inc. SWN Production Company, LLC	10 3000	****	
	sole and separate property	The section continuity lies.	18.0000%	309A/766	
	Harley A. Moore	Orilling Appalachian Corporation	15.0000%	1774/553	
	Drilling Appalachian Corporation	Antero Resources Corporation	12/00/00/20	172A/552 179A/300	
	Antero Resources Corporation	SWN Production Company, LLC, and Equinor USA		272A/588	
	Delling Assistantia Comment	Onshore Properties, Inc.		Ar art about	
	Drilling Appalachian Corporation	Antero Resources Corporation		179A/300	
	Antero Resources Corporation	SWN Production Company, LLC, and Equinor USA		272A/588	
	Daria R. Merckle	Onshore Properties, Inc.		F. M. G. F.	
	Drilling Appalachian Corporation	Drilling Appalachian Corporation Antero Resources Corporation	15.0000%	160A/561	
		SWN Production Company, LLC, and Equinor USA		179A/300	
		Onshore Properties, Inc.		272A/588	
	Billy Joe Midcap	SWN Production Company, LLC	18.0000%	309A/771	
		SWN Production Company, LLC	15.0000%	289A(2)4/21/2	りつる
	Belva J. Morris, a married woman dealing in her sole	The state of the s		U-T/E 1/2	. حی
Linas	Belva J. Morris, a married woman dealing in her sole and separate property	113			
1-10-35	Belva J. Morris, a married woman dealing in her sole and separate property Royalty Compar (subject to unitization filing dated	N/A	N/A	N/A	42,669
1-10-35	Belva J. Morris, a married woman dealing in her sole and separate property Royalty Dwner (subject to unitization filing dated March 3, 2023)	N/A		VVV	42,669
1-10-35	Belva J. Morris, a married woman dealing in her sole and separate property Royalty Owner (subject to unitiration filing dated March 3, 2023) Yvorne M. Smith	N/A Drilling Appalachian Corporation	N/A 18,00%	174A/372	42,6690
1-10-35	Belva J. Morris, a married woman dealing in her sole and separate property Royalty Owner (subject to unitiration filing dated March 3, 2023) Yvorne M. Smith	N/A		VVV	

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WV Denaminen. STATE & METHORSHOLD

EXHIBIT "A"

Attached to and made a part of the State of West Virginia Oil and Gas Form, WW-6A1, by SWN Production Company, L.L.C, as Operator William Ritchea WTZ 210H Wetzel County, West Virginia

ı		1 1	1
intero Resources Corporation	SWN Production Company, LLC	<u> </u>	272A/588
ohna McPeek	Drilling Appalachian Corporation	15.00%	173A/655
	Antero Resources Corporation]	179A/300
· · · · · · · · · · · · · · · · · · ·	SWN Production Company, LLC	 	272A/58B
	Drilling Appalachian Corporation	15.00%	208A/92
or and on behalf of John C. Wilson, D. Joan Martino,			
ewis Yeater, William L. McPeek, Emma L. Newhouse,			
awrence McPeek, Rebecca L. Lash, Mary A. Vance,			
Villa L. Yeater, Genevieve K. Davis, Larry W. Yeater,		1	
he William J. Vest Trust Agreement dated July 16,			
001, Larry W. Yeater, Trustee, Jennifer Yeater, Black		1 1	
old Group Ltd., Jenny Miller, Gloria Miller, Russell		1	
eater, Edward Yeater, Betty Johnson, Aiyana Lyster,		1 1	
mmani Lyster, Acacia Lyster, Arch Albert Conner,			1
larold Yeater, Walter Wellman, Edna Ruckman, Lulu		1	
eck, Madelyn E. Mosser (formerly Pennington), John		1	
V. Heath, William K. heath, T and D Corporation, or			
uccessor, Francis Quigley, Gregory Steinhart, William			
. Yeater, their missing, unknown, and abandoning			
eirs, successors and assigns, pursuant to action in		1	
he Circuit Court of Wetzel County, styled Drilling		1 1	
ppalachian Corporation vs. Shiben Estates, Inc. et			
I, Civil Action No. 17-C-33			
		1 1	
N-210 A			2454/022
Orilling Appalachian Corporation	Antero Resources Corporation	1	215A/930
Antero Resources Corporation	SWN Production Company, LLC	43 000	272A/588
mily K. Yeater Rulong	Orifling Appalachian Corporation	17.00%	174A/746
Orilling Appalachian Corporation	Antero Resources Corporation	, i	179A/300 272A/588
Antero Resources Corporation William C. Atwell	SWN Production Company, LLC	15.00%	
Orilling Appalachian Corporation	Drilling Appalachian Corporation Antero Resources Corporation	13.00%	174A/381 179A/300
Antero Resources Corporation	SWN Production Company, LLC		272A/588
William Bernard Yeater a/k/a Bernard Yeater, a	SWN Production Company, LLC	18.00%	308A/433
married man dealing in his sole and separate property		16.00%	3007,433
married main dealing in his sole and separate property	1		
Arthur Workman and Vera Shirlene Workman.	Drilling Appalachian Corporation	16.50%	165A/183
nusband and wife			
Drilling Appalachian Corporation	Antero Resources Corporation	1	179A/300
Antero Resources Corporation	SWN Production Company, LLC		272A/588
John K. Otto	Drilling Appalachian Corporation	15.00%	175A/173
Drilling Appalachian Corporation	Antero Resources Corporation		179A/300
Antero Resources Corporation	SWN Production Company, LLC		272A/S88
Timothy Wayne Anderson	Drilling Appalachian Corporation	15.00%	174A/204
Drilling Appalachian Corporation	Antero Resources Corporation		179A/300
Antero Resources Corporation	SWN Production Company, LLC		272A/588
Timothy Hinkle & Shannon Hinkle, husband and wife	Drilling Appalachian Corporation	15.00%	174A/750
Drilling Appalachian Corporation	Antero Resources Corporation		179A/300
Antero Resources Corporation	SWN Production Company, LLC		272A/588
Three Rivers Royalty II, LLC, Tiffany Culp - VP Land &	SWN Production Company, LLC	18.00%	294A/99
Legal			2004/242
Three Rivers Royalty II, LLC, Tiffany Culp - VP Land &	SWN Production Company, LLC	18.00%	300A/312
Legal	Dullitus Association Community	45 850	1244/200
Rodney Chester Lowe and Virginia Ann Lowe,	Driffing Appalachian Corporation	15.00%	174A/758
husband and wife	Antero Baravaras Communication		1704/200
Drilling Appalachian Corporation	Antero Resources Corporation		179A/300
Antero Resources Corporation	SWN Production Company, LLC Drilling Appalachian Corporation	15 004	272A/588
Robert Mock and Judith Mock, husband and wife	orning Apparachan Corporation	15.00%	174A/764
Drilling Appalachian Corporation	Antero Resources Corporation	1	179A/300
Antero Resources Corporation	SWN Production Company, LLC	1	272A/588
June Ann Reid	Drilling Appalachian Corporation	15.00%	174A/770
Drilling Appalachian Corporation	Antero Resources Corporation	20.000	179A/300
Antero Resources Corporation	SWN Production Company, LLC	1	272A/588
Rosemary Lunemann	Drilling Appalachian Corporation	15.00%	173A/557
Drilling Appalachian Corporation	Antero Resources Corporation		179A/300
Antero Resources Corporation	SWN Production Company, LLC		272A/588
Terry W. Yeater	Drilling Appalachian Corporation	15.00%	182A/529
Drilling Appalachian Corporation	Antero Resources Corporation	1	186A/150
Antero Resources Corporation	SWN Production Company, LLC		272A/588
Terry W. Kittle and Deborah Kittle, husband and wife		15.00%	174A/768
	1	1	1 1
Drilling Appalachian Corporation	Antero Resources Corporation		186A/150
Antero Resources Corporation	SWN Production Company, LLC		272A/588
Terrie L. Lausin, a single woman	SWN Production Company, LLC	15.00%	307A/362
Richard Lee Parrish and Teri Lee Parrish, husband an	d Drilling Appalachian Corporation	15.00%	165A/778
wife	I		04/21/20
Drilling Appalachian Corporation	Antero Resources Corporation		179A/300
			215A/930
Drilling Appalachian Corporation	Antero Resources Corporation		
Drilling Appalachian Corporation Antero Resources Corporation	SWN Production Company, LLC		272A/588
Drilling Appalachian Corporation	•	18.00%	

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EXHIBIT "A"

Attached to and made a part of the State of West Virginia Oil and Gas Form, WW-6A1, by SWN Production Company, L.L.C, as Operator William Ritchea WTZ 210H Wetzel County, West Virginia

Antero Resources Corporation	SWN Production Company, LLC		272A/588
Living Trust of Harold L. Yeater, dated January 29, 1999, Stephen L. Yeater, Co-Trustee	Drilling Appalachian Corporation	15.00%	174A/867
1999, Stephen C. Yeater, Co-Trustee	1		
Drilling Appalachian Corporation	la-a a		1 1
Antero Resources Corporation	Antero Resources Corporation		179A/300
Shiben Estates, Inc., a West Virginia Corporation	SWN Production Company, LLC SWN Production Company, LLC	20.000	272A/588
	Swit Froduction Company, EEC	20.00%	266A/253
Shelly Yeater	Driffing Appalachian Corporation	18.00%	1774/524
Drilling Appalachian Corporation	Antero Resources Corporation	18.00%	177A/521 179A/300
Antero Resources Corporation	SWN Production Company, LLC		272A/588
John Edward Yeater and Sharon Lynn Yeater, husban	d Drilling Appalachian Corporation	17,00%	177A/523
and wife			*******
Drilling Appalachian Corporation	Antero Resources Corporation		179A/300
Antero Resources Corporation	SWN Production Company, ELC		272A/588
Sharon L. Yeater	Drilling Appalachian Corporation	15.00%	181A/38
Drilling Appalachian Corporation Antero Resources Corporation	Antero Resources Corporation		186A/150
Conrad Sherwood Yeater	SWN Production Company, LLC		272A/588
Drilling Appalachian Corporation	Drilling Appalachian Corporation	15.00%	174A/219
Antero Resources Corporation	Antero Resources Corporation SWN Production Company, LLC		179A/300
Scott C. Harris and Carolyn R. Harris, husband and	SWN Production Company, LLC	17.000	272A/588
wife	SAME Production Company, LLC	17.00%	304A/351
Sandy Cumpston	Drilling Appalachian Corporation	15.00%	174A/202
Driffing Appalachian Corporation	Antero Resources Corporation	15.00%	179A/300
Antero Resources Corporation	SWN Production Company, LLC		272A/588
Sandra C. Koontz	Drilling Appalachian Corporation	15.00%	174A/354
Drilling Appalachian Corporation	Antero Resources Corporation		179A/300
Antero Resources Corporation	SWN Production Company, LLC		272A/588
Ruth Ann Yeater	Drilling Appalachian Corporation	18.00%	174A/857
Drilling Appalachian Corporation	Antero Resources Corporation		179A/300
Antero Resources Corporation	SWN Production Company, LLC		272A/588
Robert C. Aspley Orilling Appalachian Corporation	Drilling Appalachian Corporation	15.00%	173A/555
Antero Resources Corporation	Antero Resources Corporation		179A/300
Ricky A. Yeater	SWN Production Company, LLC		272A/588
Orilling Appalachian Corporation	Drilfing Appalachian Corporation Antero Resources Corporation	15.00%	181A/188
Antero Resources Corporation	SWN Production Company, LLC		186A/150
hirley Gbur	Drilling Appalachian Corporation	15.00%	272A/588 174A/402
Orilling Appalachian Corporation	Antero Resources Corporation	13.00%	179A/300
Antero Resources Corporation	SWN Production Company, LLC		272A/588
Recon Resources, LLC, a Texas Limited Liability	Antero Resources Corporation	15.00%	190A/3
Company d/b/a Recon royalties			
Antero Resources Corporation	SWN Production Company, LLC		272A/588
Rebecca J. Norris	Drilling Appalachian Corporation	15.00%	174A/216
Orilling Appalachian Corporation	Antero Resources Corporation		179A/300
Antero Resources Corporation	SWN Production Company, L1C		272A/588
Rebecca Ann Haley Prilling Appalachian Corporation	Drilling Appalachian Corporation	15.00%	174A/352
Antero Resources Corporation	Antero Resources Corporation		179A/300
Rachel Anne Yeater, single	SWN Production Company, LLC		272A/588
Orilling Appalachian Corporation	Drilling Appalachian Corporation Antero Resources Corporation	15.00%	165A/185
Antero Resources Corporation	SWN Production Company, LLC		179A/300
lancy Truex	Drilling Appalachian Corporation	17.00%	272A/588 181A/60
Orilling Appalachian Corporation	Antero Resources Corporation	17.00%	186A/150
intero Resources Corporation	SWN Production Company, LLC		272A/588
hester Holloway and Nancy Holloway, husband and	Drilling Appalachian Corporation	15.00%	174A/348
vife	,		
Prilling Appalachian Corporation	Antero Resources Corporation	1	179A/300
intero Resources Corporation	SWN Production Company, LLC		272A/588
lancy J. Foti	Drilling Appalachian Corporation	15.00%	174A/871
Prilling Appalachian Corporation	Antero Resources Corporation		179A/300
Intero Resources Corporation Monica A. Renn	SWN Production Company, LLC		272A/588
nonica A. Kenn Prilling Appalachian Corporation	Drilling Appatachian Corporation	18.00%	174A/375
Intero Resources Corporation	Antero Resources Corporation SWN Production Company, LLC		179A/300
Melissa Schroth	Drilling Appalachian Corporation	15.00%	272A/588
Prilling Appalachian Corporation	Antero Resources Corporation	15.00%	173A/653
intero Resources Corporation	SWN Production Company, LLC		179A/300 272A/588
Melissa Mae Bungard, a single woman	SWN Production Company, LLC	18.00%	311A/443
eatrice Joan Yeater Knight	Orilling Appalachian Corporation	17.00%	174A/396
Prilling Appalachian Corporation	Antero Resources Corporation	27.00%	179A/300
ntero Resources Corporation	SWN Production Company, LLC		272A/588
Mary B. Jones	Drilling Appalachian Corporation	15.00%	174A/861
rilling Appalachian Corporation	Antero Resources Corporation		179A/300
ntero Resources Corporation	SWN Production Company, LLC		272A/588
Martha Carol Grimes	Drilling Appalachian Corporation	15.00%	178A/380
rilling Appalachian Corporation	Antero Resources Corporation		186A/150
ntero Resources Corporation	SWN Production Company, LLC		272A/588
Aarguerite Harbison Itilling Appalachian Corporation	Drilling Appalachian Corporation	15.00%	173A/56) 179A/964/21/202
interio Resources Corporation	Antero Resources Corporation		
inda K. Morris Wilson	SWN Production Company, LLC	45.000	272A/588
rilling Appalachian Corporation	Drilling Appalachian Corporation Antero Resources Corporation	15.00%	174A/756
ntero Resources Corporation	SWN Production Company, LLC		179A/300 272A/588
fark Hunt	Drilling Appalachian Corporation	15.00%	4744 (370
MIR I + MILL			1/98/3/U (B)***
	Antero Resources Corporation	15.00%	179MDERCO O Oil and

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EXHIBIT "A" Attached to and made a part of the State of West Virginia Oil and Gas Form, WW-6A1, by SWN Production Company, L.L.C, as Operator William Ritchea WTZ 210H Wetzel County, West Virginia

ero Resources Corporation S	WN Production Company, LLC		272A/588
	rilling Appalachlan Corporation	15.00%	174A/206
band and wife		I]
ling Appalachian Corporation	intero Resources Corporation	1 i	179A/300
	WN Production Company, LLC		272A/588
ey Couch and Marian Blair Couch, husband and	rilling Appalachian Corporation	15.00%	174A/744
e			
	Antero Resources Corporation		179A/300 272A/588
	WN Production Company, LLC	15.00%	283A/152
	WN Production Company, LLC	18.00%	175A/176
	Orilling Appalachian Corporation	18,00%	179A/300
W.B. Abraman and a contract	Antero Resources Corporation SWN Production Company, LLC	1	272A/588
	Drilling Appalachian Corporation	15.00%	176A/S93
	Antero Resources Corporation		179A/300
	SWN Production Company, LLC	1	272A/588_
	Drilling Appalachian Corporation	15.00%	166A/569
.,,,,,	Antero Resources Corporation	1	179A/300
6 - Trans-	SWN Production Company, LLC		272A/588
	Drilling Appalachian Corporation	15.00%	173A/620
	Antero Resources Corporation	1	179A/300
	SWN Production Company, LLC		272A/588
meric and Company, LLC	Orilling Appalachian Corporation	15.00%	206A/584
		1	1 1
illing Appalachian Corporation	Antero Resources Corporation		215A/930
ntero Resources Corporation	SWN Production Company, LLC		272A/588
m L. Hawkins	Drilling Appalachian Corporation	15.00%	174A/400
rilling Appalachian Corporation	Antero Resources Corporation		179A/300
ntero Resources Corporation	SWN Production Company, LLC	15.00%	272A/588 174A/404
elly Kern	Orilling Appalachian Corporation	15.00%	179A/300
rilling Appalachian Corporation	Antero Resources Corporation		272A/588
ntero Resources Corporation	SWN Production Company, LLC Orilling Appalachian Corporation	15.00%	174A/356
athy Albright	Antero Resources Corporation	25,00%	179A/300
rilling Appalachian Corporation ntero Resources Corporation	SWN Production Company, LLC	1	272A/S88
athryn L. Miller & Thomas F. Miller, wife and	SWN Production Company, LLC	15.00%	287A/852
usband	Strit / Todates of dompany, 222		
athleen I. Francis	Drilling Appalachian Corporation	15.00%	202A/642
rilling Appalachian Corporation	Antero Resources Corporation		215A/930
ntero Resources Corporation	SWN Production Company, LLC		272A/588
alph E. Jones and Karen Y. Jones, husband and wife	Drilling Appalachian Corporation	15.00%	165A/181
**	1		1 1
rilling Appalachian Corporation	Antero Resources Corporation		179A/300
intero Resources Corporation	SWN Production Company, LLC		272A/588_
udy C. Parrish, a married woman dealing in her sole	SWN Production Company, LLC	15.00%	289A/351
and separate property			
oseph Wilson	Drilling Appalachian Corporation	15.00%	189A/311
Orilling Appalachian Corporation	Antero Resources Corporation		215A/930
Antero Resources Corporation	SWN Production Company, LLC		272A/588
oseph Leroy Kittle	Drilling Appalachian Corporation	15.00%	166A/495 179A/300
Orilling Appalachian Corporation	Antero Resources Corporation		272A/588
Antero Resources Corporation	SWN Production Company, LLC	18.00%	311A/449
ohn Michael Bungard, a single man	SWN Production Company, LLC Drilling Appalachian Corporation	15.00%	174A/350
ohn C. Frame	Antero Resources Corporation	15.55%	179A/300
	•		
Drilling Appalachian Corporation	ISWN Production Company 110		
Antero Resources Corporation	SWN Production Company, LLC Orilling Appalachian Corporation	15.00%	272A/588 201A/288
Antero Resources Corporation JoAnn Davis	Orilling Appalachian Corporation	15.00%	272A/588
Antero Resources Corporation IoAnn Davis Drilling Appalachian Corporation	Orilling Appalachian Corporation Antero Resources Corporation	15.00%	272A/588 201A/288
Antero Resources Corporation IoAnn Davis Drilling Appalachian Corporation Antero Resources Corporation	Orilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC	15.00%	272A/588 201A/288 215A/930
Antero Resources Corporation IoAnn Davis Drilling Appalachian Corporation Antero Resources Corporation Lill Wilging	Orilling Appalachian Corporation Antero Resources Corporation		272A/588 201A/288 215A/930 272A/588
Antero Resources Corporation IoAnn Davis Drilling Appalachian Corporation Antero Resources Corporation Lill Wilging Drilling Appalachian Corporation	Orilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation		272A/588 201A/288 215A/930 272A/588 199A/903
Antero Resources Corporation IoAnn Davis Drilling Appalachian Corporation Antero Resources Corporation Lill Wilging Drilling Appalachian Corporation Antero Resources Corporation Antero Resources Corporation	Orilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation		272A/588 201A/288 215A/930 272A/588 199A/903 215A/930 272A/588 189A/309
Antero Resources Corporation IoAnn Davis Drilling Appalachian Corporation Antero Resources Corporation Lill Wilging Drilling Appalachian Corporation	Orilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC	15.00%	272A/588 201A/288 215A/930 272A/588 199A/903 215A/930 272A/588 189A/309 179A/300
Antero Resources Corporation IoAnn Davis Drilling Appalachian Corporation Antero Resources Corporation Jill Wilging Drilling Appalachian Corporation Antero Resources Corporation Jeffrey Wilson	Orilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC	15.00%	272A/588 201A/288 215A/930 272A/588 199A/903 215A/930 272A/588 189A/309 179A/300 272A/588
Antero Resources Corporation IoAnn Davis Drilling Appalachian Corporation Antero Resources Corporation Juli Wilging Drilling Appalachian Corporation Antero Resources Corporation Jeffrey Wilson Drilling Appalachian Corporation	Orilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC SWN Production Company, LLC	15.00% 15.00%	272A/588 201A/288 215A/930 272A/588 199A/903 215A/930 272A/588 189A/309 179A/300 272A/588 312A/404
Antero Resources Corporation IoAnn Davis Drilling Appalachian Corporation Antero Resources Corporation Jorilling Appalachian Corporation Antero Resources Corporation Jeffrey Wilson Drilling Appalachian Corporation Antero Resources Corporation Antero Resources Corporation	Orilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC SWN Production Company, LLC	15.00%	272A/588 201A/288 215A/930 272A/588 199A/903 215A/930 272A/588 189A/309 179A/300 272A/588 312A/404 202A/648
Antero Resources Corporation IoAnn Davis Drilling Appalachian Corporation Antero Resources Corporation Juli Wilging Drilling Appalachian Corporation Antero Resources Corporation Jeffrey Wilson Drilling Appalachian Corporation Drilling Appalachian Corporation Drilling Appalachian Corporation Deffrey A. Lausin	Orilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation	15.00% 15.00%	272A/588 201A/288 215A/930 272A/588 199A/903 215A/930 272A/588 189A/309 179A/300 272A/588 312A/404 202A/648 215A/930
Antero Resources Corporation IoAnn Davis Drilling Appalachian Corporation Antero Resources Corporation Iill Wilging Drilling Appalachian Corporation Antero Resources Corporation Jeffrey Wilson Dorilling Appalachian Corporation Antero Resources Corporation Jeffrey A. Lausin Jeanetta M. Heath Drilling Appalachian Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation	Orilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation SWN Production Company, LLC	15.00% 15.00% 18.00% 15.00%	272A/588 201A/288 215A/930 272A/588 199A/903 215A/930 272A/588 189A/309 179A/300 272A/588 312A/404 202A/648 215A/930 272A/588
Antero Resources Corporation IoAnn Davis Drilling Appalachian Corporation Antero Resources Corporation Lilli Wilging Drilling Appalachian Corporation Antero Resources Corporation Antero Resources Corporation Drilling Appalachian Corporation Antero Resources Corporation Antero Resources Corporation Deffrey A. Lausin Definey A. Lausin Drilling Appalachian Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Jean M. Shepard	Orilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation SWN Production Company, LLC Drilling Appalachian Corporation	15.00% 15.00%	272A/588 201A/288 215A/930 272A/588 199A/903 215A/930 272A/588 189A/309 179A/300 272A/588 312A/404 202A/648 215A/930 272A/588 173A/622
Antero Resources Corporation IoAnn Davis Drilling Appalachian Corporation Antero Resources Corporation Juli Wilging Drilling Appalachian Corporation Antero Resources Corporation Jeffrey Wilson Drilling Appalachian Corporation Antero Resources Corporation Jeffrey A. Lausin Jeanetta M. Heath Drilling Appalachian Corporation Antero Resources Corporation Antero Resources Corporation Jean M. Shepard Drilling Appalachian Corporation Jean M. Shepard Drilling Appalachian Corporation	Orilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation Antero Resources Corporation	15.00% 15.00% 18.00% 15.00%	272A/588 201A/288 215A/930 272A/588 199A/903 215A/930 272A/588 189A/309 179A/300 272A/588 312A/404 202A/648 215A/930 272A/588 173A/622 179A/300
Antero Resources Corporation IoAnn Davis Drilling Appalachian Corporation Antero Resources Corporation Iill Wilging Drilling Appalachian Corporation Antero Resources Corporation Drilling Appalachian Corporation Drilling Appalachian Corporation Antero Resources Corporation Deffrey A. Lausin Jeanetta M. Heath Drilling Appalachian Corporation Antero Resources Corporation Jean M. Shepard Drilling Appalachian Corporation Jean M. Shepard Drilling Appalachian Corporation Antero Resources Corporation Antero Resources Corporation	Orilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation SWN Production Company, LLC	15.00% 15.00% 18.00% 15.00%	272A/588 201A/288 215A/930 272A/588 199A/903 215A/930 272A/588 189A/309 179A/300 272A/588 312A/404 202A/648 215A/930 272A/588 173A/622 179A/300 272A/588
Antero Resources Corporation IoAnn Davis Drilling Appalachian Corporation Antero Resources Corporation Jill Wilging Drilling Appalachian Corporation Antero Resources Corporation Jeffrey Wilson Drilling Appalachian Corporation Antero Resources Corporation Jeffrey A. Lausin Jeanetta M. Heath Drilling Appalachian Corporation Antero Resources Corporation Antero Resources Corporation Jean M. Shepard Drilling Appalachian Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Janet Hilpert	Orilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation SWN Production Company, LLC Drilling Appalachian Corporation	15.00% 15.00% 18.00% 15.00%	272A/588 201A/288 215A/930 272A/588 199A/903 215A/930 272A/588 189A/309 179A/300 272A/588 312A/404 202A/648 215A/930 272A/588 173A/622 179A/300 272A/588 181A/62
Antero Resources Corporation IoAnn Davis Drilling Appalachian Corporation Antero Resources Corporation Jill Wilging Drilling Appalachian Corporation Antero Resources Corporation Jeffrey Wilson Drilling Appalachian Corporation Antero Resources Corporation Jeffrey A. Lausin Jeanetta M. Heath Drilling Appalachian Corporation Antero Resources Corporation Jean M. Shepard Drilling Appalachian Corporation Antero Resources Corporation Jean R. Shepard Drilling Appalachian Corporation Antero Resources Corporation Janet Hilpert Drilling Appalachian Corporation	Orilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation SWN Production Company, LLC SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation SWN Production Company, LLC Drilling Appalachian Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation	15.00% 15.00% 18.00% 15.00%	272A/588 201A/288 215A/930 272A/588 199A/903 215A/930 272A/588 189A/309 179A/300 272A/588 312A/404 202A/648 215A/930 272A/588 173A/622 179A/300 272A/588 181A/62 186A/150
Antero Resources Corporation IoAnn Davis Drilling Appalachian Corporation Antero Resources Corporation Juli Wilsing Drilling Appalachian Corporation Antero Resources Corporation Jeffrey Wilson Drilling Appalachian Corporation Antero Resources Corporation Jeffrey A. Lausin Jeanetta M. Heath Drilling Appalachian Corporation Antero Resources Corporation Jean M. Shepard Drilling Appalachian Corporation Antero Resources Corporation Jean M. Shepard Drilling Appalachian Corporation Antero Resources Corporation Janet Hilpert Drilling Appalachian Corporation Antero Resources Corporation Janet Hilpert Drilling Appalachian Corporation Antero Resources Corporation	Orilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation SWN Production Company, LLC SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC	15.00% 15.00% 18.00% 15.00%	272A/588 201A/288 215A/930 272A/588 199A/903 215A/930 272A/588 189A/309 179A/300 272A/588 312A/404 202A/648 215A/930 272A/588 173A/622 179A/300 272A/588 181A/62 186A/150 272A/588
Antero Resources Corporation IoAnn Davis Drilling Appalachian Corporation Antero Resources Corporation Lill Wilging Drilling Appalachian Corporation Antero Resources Corporation Drilling Appalachian Corporation Drilling Appalachian Corporation Antero Resources Corporation Deffrey A. Lausin Deffrey A. Lausin Deffrey A. Lausin Definey Appalachian Corporation Antero Resources Corporation Antero Resources Corporation Jean M. Shepard Drilling Appalachian Corporation Antero Resources Corporation Janet Hilpert Drilling Appalachian Corporation Antero Resources Corporation James W. Shepard	Orilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation SWN Production Company, LLC Drilling Appalachian Corporation	15.00% 15.00% 18.00% 15.00%	272A/588 201A/288 215A/930 272A/588 199A/903 215A/930 272A/588 189A/309 179A/300 272A/588 312A/404 202A/648 215A/930 272A/588 173A/622 179A/300 272A/588 181A/62 186A/150 272A/588
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Antero Resources Corporation IoAnn Davis Drilling Appalachian Corporation Antero Resources Corporation Jill Wilging Drilling Appalachian Corporation Antero Resources Corporation Jeffrey Wilson Drilling Appalachian Corporation Antero Resources Corporation Jeffrey A. Lausin Jeanetta M. Heath Drilling Appalachian Corporation Antero Resources Corporation Jean M. Shepard Drilling Appalachian Corporation Antero Resources Corporation Janet Hilpert Drilling Appalachian Corporation Janet Hilpert Drilling Appalachian Corporation Janet W. Shepard Drilling Appalachian Corporation Antero Resources Corporation James W. Shepard Drilling Appalachian Corporation Antero Resources Corporation James W. Shepard Drilling Appalachian Corporation Antero Resources Corporation	Orilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC	15.00% 15.00% 18.00% 15.00% 15.00%	272A/588 201A/288 215A/930 272A/588 199A/903 215A/930 272A/588 189A/309 179A/300 272A/588 312A/404 202A/648 215A/930 272A/588 173A/622 179A/300 272A/588 181A/62 186A/150 272A/588 173A/647 179A/300 272A/588
Antero Resources Corporation IoAnn Davis Drilling Appalachian Corporation Antero Resources Corporation Lilli Wilging Drilling Appalachian Corporation Antero Resources Corporation Drilling Appalachian Corporation Drilling Appalachian Corporation Antero Resources Corporation Deffrey A. Lausin Jeanetta M. Heath Drilling Appalachian Corporation Antero Resources Corporation Jean M. Shepard Drilling Appalachian Corporation Antero Resources Corporation Janet Hilpert Drilling Appalachian Corporation Janet Resources Corporation Janet W. Shepard Drilling Appalachian Corporation James W. Shepard Drilling Appalachian Corporation	Orilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC	15.00% 15.00% 18.00% 15.00%	272A/588 201A/288 215A/930 272A/588 199A/903 215A/930 272A/588 189A/309 179A/300 272A/588 312A/404 202A/648 215A/930 272A/588 173A/622 179A/300 272A/588 181A/62 186A/150 272A/588 173A/647 179A/300
Antero Resources Corporation IoAnn Davis Drilling Appalachian Corporation Antero Resources Corporation Jill Wilging Drilling Appalachian Corporation Antero Resources Corporation Antero Resources Corporation Drilling Appalachian Corporation Antero Resources Corporation Jeffrey A. Lausin Jeanetta M. Heath Drilling Appalachian Corporation Antero Resources Corporation Jean M. Shepard Drilling Appalachian Corporation Antero Resources Corporation Janet Hilpert Drilling Appalachian Corporation Antero Resources Corporation Janet Hilpert Drilling Appalachian Corporation Antero Resources Corporation James W. Shepard Drilling Appalachian Corporation Antero Resources Corporation James W. Shepard Drilling Appalachian Corporation Antero Resources Corporation James S. Wilson and Ann D. Wilson, husband and w	Orilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC	15.00% 15.00% 18.00% 15.00% 15.00%	272A/588 201A/288 215A/930 272A/588 199A/903 215A/930 272A/588 189A/309 179A/300 272A/588 312A/404 202A/648 215A/930 272A/588 173A/622 179A/300 272A/588 181A/62 186A/150 272A/588 173A/647 179A/300 272A/588 195A/900
Antero Resources Corporation IoAnn Davis Drilling Appalachian Corporation Antero Resources Corporation Jill Wilging Drilling Appalachian Corporation Antero Resources Corporation Jeffrey Wilson Drilling Appalachian Corporation Antero Resources Corporation Jeffrey A. Lausin Jeanetta M. Heath Drilling Appalachian Corporation Antero Resources Corporation Jean M. Shepard Drilling Appalachian Corporation Antero Resources Corporation Janet Hilpert Drilling Appalachian Corporation Janet Hilpert Drilling Appalachian Corporation Janet Sesources Corporation Janet Resources Corporation Janet Resources Corporation James W. Shepard Drilling Appalachian Corporation Antero Resources Corporation James S. Wilson and Ann D. Wilson, husband and w Drilling Appalachian Corporation	Orilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC	15.00% 15.00% 18.00% 15.00% 15.00%	272A/588 201A/288 215A/930 272A/588 199A/903 215A/930 272A/588 189A/309 179A/300 272A/588 312A/404 202A/648 215A/930 272A/588 173A/622 179A/300 272A/588 181A/62 186A/150 272A/588 173A/647 179A/300 272A/588
Antero Resources Corporation IoAnn Davis Drilling Appalachian Corporation Antero Resources Corporation Illi Wilging Drilling Appalachian Corporation Antero Resources Corporation Drilling Appalachian Corporation Drilling Appalachian Corporation Antero Resources Corporation Deffrey A. Lausin Deffrey A. Lausin Deffrey A. Lausin Drilling Appalachian Corporation Antero Resources Corporation Antero Resources Corporation Jean M. Shepard Drilling Appalachian Corporation Antero Resources Corporation Janet Hilpert Drilling Appalachian Corporation Antero Resources Corporation James W. Shepard Drilling Appalachian Corporation Antero Resources Corporation James S. Wilson and Ann D. Wilson, husband and w Drilling Appalachian Corporation Antero Resources Corporation Antero Resources Corporation	Orilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation SWN Production Company, LLC	15.00% 15.00% 18.00% 15.00% 15.00%	272A/588 201A/288 215A/930 272A/588 199A/903 215A/930 272A/588 189A/309 179A/300 272A/588 312A/404 202A/648 215A/930 272A/588 173A/622 179A/300 272A/588 181A/62 186A/150 272A/588 173A/647 179A/300 272A/588 195A/900
Antero Resources Corporation IoAnn Davis Drilling Appalachian Corporation Antero Resources Corporation Illi Wilging Drilling Appalachian Corporation Antero Resources Corporation Ieffrey Wilson Drilling Appalachian Corporation Antero Resources Corporation Ieffrey A. Lausin Iero Resources Corporation Antero Resources Corporation Antero Resources Corporation Iean M. Shepard Drilling Appalachian Corporation Antero Resources Corporation Ianet Hilpert Drilling Appalachian Corporation Antero Resources Corporation Iames W. Shepard Drilling Appalachian Corporation Antero Resources Corporation James S. Wilson and Ann D. Wilson, husband and w Drilling Appalachian Corporation Antero Resources Corporation	Orilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation SWN Production Company, LLC	15.00% 15.00% 18.00% 15.00% 15.00% 15.00%	272A/588 201A/288 215A/930 272A/588 199A/903 215A/930 272A/588 189A/309 179A/300 272A/588 312A/404 202A/648 215A/930 272A/588 173A/622 179A/300 272A/588 181A/62 186A/150 272A/588 173A/647 179A/300 272A/588 173A/647 179A/300 272A/588 173A/647 179A/300 272A/588 185A/900 215A/930 272A/588 195A/900
Antero Resources Corporation IoAnn Davis Drilling Appalachian Corporation Antero Resources Corporation Jilli Wilging Drilling Appalachian Corporation Antero Resources Corporation Drilling Appalachian Corporation Drilling Appalachian Corporation Antero Resources Corporation Jeffrey A. Lausin Jeanetta M. Heath Drilling Appalachian Corporation Antero Resources Corporation Jean M. Shepard Drilling Appalachian Corporation Antero Resources Corporation Janet Hilpert Drilling Appalachian Corporation Janet Hilpert Drilling Appalachian Corporation James W. Shepard Drilling Appalachian Corporation James W. Shepard Drilling Appalachian Corporation James S. Wilson and Ann D. Wilson, husband and w Drilling Appalachian Corporation James S. Wilson and Ann D. Wilson, husband and w Drilling Appalachian Corporation James Lawrence Reid and Sherry Lynn Reid, husban and wife	Orilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation SWN Production Company, LLC	15.00% 15.00% 18.00% 15.00% 15.00% 15.00%	272A/588 201A/288 215A/930 272A/588 199A/903 215A/930 272A/588 189A/309 179A/300 272A/588 312A/404 202A/648 215A/930 272A/588 173A/622 179A/300 272A/588 181A/62 186A/150 272A/588 173A/647 179A/300 272A/588 195A/900 215A/930 272A/588 195A/930
Antero Resources Corporation IoAnn Davis Drilling Appalachian Corporation Antero Resources Corporation Illi Wilging Drilling Appalachian Corporation Antero Resources Corporation Ieffrey Wilson Drilling Appalachian Corporation Antero Resources Corporation Ieffrey A. Lausin Iero Resources Corporation Antero Resources Corporation Antero Resources Corporation Iean M. Shepard Drilling Appalachian Corporation Antero Resources Corporation Ianet Hilpert Drilling Appalachian Corporation Antero Resources Corporation Iames W. Shepard Drilling Appalachian Corporation Antero Resources Corporation James S. Wilson and Ann D. Wilson, husband and w Drilling Appalachian Corporation Antero Resources Corporation	Orilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation Antero Resources Corporation SWN Production Company, LLC Drilling Appalachian Corporation	15.00% 15.00% 18.00% 15.00% 15.00% 15.00%	272A/588 201A/288 215A/930 272A/588 199A/903 215A/930 272A/588 189A/309 179A/300 272A/588 312A/404 202A/648 215A/930 272A/588 173A/622 179A/300 272A/588 181A/62 186A/150 272A/588 173A/647 179A/300 272A/588 173A/647 179A/300 272A/588 173A/647 179A/300 272A/588 185A/900 215A/930 272A/588 195A/900

Office of Oil and Gas

APR 1 8 2023

WV Department of Environmental Protection

EXHIBIT "A"

Attached to and made a part of the State of West Virginia Oil and Gas Form, WW-6A1, by SWN Production Company, L.L.C, as Operator William Ritchea WTZ 210H Wetzel County, West Virginia

Drilling Appalachian Corporation	Antero Resources Corporation	i	179A/300	
Antero Resources Corporation	SWN Production Company, LLC	I	272A/588	
Drilling Appalachian Corporation	Orilling Appalachian Corporation	15.00%	202A/182	
Antero Resources Corporation	Antero Resources Corporation		215A/930	
Hubert Morris	SWN Production Company, LLC Drilling Appalachian Corporation		272A/S88	
Drilling Appalachian Corporation	Antero Resources Corporation	15.00%	166A/501	
Antero Resources Corporation	SWN Production Company, LLC		179A/300	
Hester Loretta Dugan	Drilling Appalachian Corporation	15.00%	272A/588 174A/408	
Drilling Appalachian Corporation	Antero Resources Corporation	13.00%	179A/300	
Antero Resources Corporation	SWN Production Company, LLC		272A/588	
lanice F. Brookover, a widow	Drilling Appalachian Corporation	15.00%	202A/644	
Drilling Appalachian Corporation Antero Resources Corporation	Antero Resources Corporation		215A/930	
faroid P. Richmond	SWN Production Company, LLC		272A/588	
Orilling Appalachian Corporation	Drilling Appalachian Corporation	17.00%	181A/56	
Antero Resources Corporation	Antero Resources Corporation SWN Production Company, LLC		186A/150	
Serald E. Yeater, aka Elvin Yeater	Orilling Appalachlan Corporation	45.000	272A/588	
Orilling Appalachian Corporation	Antero Resources Corporation	15.00%	1744/406	
Intero Resources Corporation	SWN Production Company, LLC	ł	179A/300 272A/588	
Gerald B. Jones	Drilling Appalachian Corporation	15.00%	174A/748	
Orilling Appalachian Corporation	Antero Resources Corporation		179A/300	
Intero Resources Corporation	SWN Production Company, LLC		272A/588	
George T. Gale, Jr., a married man dealing in his sole	SWN Production Company, LLC	15.00%	283A/189	
nd separate property				
rederick M. Yeater & Sheri Yeater, husband and wife willing Appalachian Corporation	1	15.00%	172A/584	
Intero Resources Corporation	Antero Resources Corporation	1	179A/300	
consider Rex Quigley and Ellen M. Quigley, husband	SWN Production Company, LLC Driffing Appalachies Company		272A/588	
nd wife	Drilling Appalachian Corporation	15.00%	177A/511	
rilling Appalachian Corporation	Antero Resources Corporation	1	100.40	
intero Resources Corporation	SWN Production Company 110	1	186A/150	
larry B. Snyder and Elizabeth J. Snyder, husband and	Drilling Appalachian Corporation	15.00%	272A/588 165A/193	
ife .	D. T. T. T. P. T.	13.00%	1034/192	
rilling Appalachian Corporation	Antero Resources Corporation		179A/300	
ntero Resources Corporation	SWN Production Company, LLC		272A/588	
rilling Appalachian Corporation	Drilling Appalachlan Corporation	18.75%	215A/447	
rilling Appalachian Corporation	Antero Resources Corporation		179A/300	
ntero Resources Corporation Onna S. Richmond	SWN Production Company, LLC		272A/588	
rilling Appalachian Corporation	Drilling Appalachian Corporation	17.00%	181A/58	
ntero Resources Corporation	Antero Resources Corporation SWN Production Company, LLC	j	186A/150	
onald B. Wesley & Susan J. Wesley, as Joint Tenants	Drilling Appalachian Corporation	15 000/	272A/588	
ith Right of Survivorship	Printing Apparentials Col por autori	15.00%	166A/474	
rilling Appalachian Corporation	Antero Resources Corporation	į	179A/300	
ntero Resources Corporation	SWN Production Company, LLC	i	272A/588	
iana S. Grafton & Timothy Grafton, husband and	Drilling Appalachian Corporation	15.00%	169A/302	
ife	<u>'</u>		1	
rilling Appalachian Corporation	Antero Resources Corporation	i	179A/300	
ntero Resources Corporation	SWN Production Company, LLC	<u></u>	272A/588	
awn Wrezinski	Orilling Appalachian Corporation	15.00%	173A/635	
rilling Appalachian Corporation	Antero Resources Corporation		179A/300	
ntero Resources Corporation avid Paul Resources, LLC	SWN Production Company, LLC		272A/588	
ntero Resources Corporation	Antero Resources Corporation	15.00%	189A/925	
avid L. Gale & Jan Gale, husband and wife	SWN Production Company, LLC	45.44-/	272A/S88	
illing Appalachian Corporation	Drilling Appalachian Corporation Antero Resources Corporation	15.00%	176A/591	
tero Resources Corporation	SWN Production Company, LLC		179A/300	
avid Eugene Bungard, a married man dealing in his	SWN Production Company, LLC	18.00%	272A/588 311A/455	
ile and separate property	The state of the s	10.00%	3114/435	
avid E. Lowe and Sharon K. Lowe, husband and wife	Drilling Appalachian Corporation	15.00%	174A/760	
	,		,	
rilling Appalachian Corporation	Antero Resources Corporation	ļ l	179A/300	
ntero Resources Corporation	SWN Production Company, LLC		272A/588	
Irrel Yeater	Drilling Appalachian Corporation	15.00%	182A/\$4	
illing Appalachian Corporation Itero Resources Corporation	Antero Resources Corporation		186A/150	
	SWN Production Company, LLC		272A/588	
d wife	Drilling Appalachian Corporation	15.00%	174A/754	
illing Appalachian Corporation	Antero Resources Corporation		1702 1000	
itero Resources Corporation	SWN Production Company, LLC		179A/300	
illeen Heath McClain Moore a/k/a Colleen H.	Orilling Appalachian Corporation	15.00%	272A/588 165A/765	
cClain, widow	o , ,	13.00%	103/0/05	
illing Appalachian Corporation	Antero Resources Corporation		179A/300	
tero Resources Corporation	SWN Production Company, LLC		272A/588	
chael B. Shepard	Drilling Appalachian Corporation	15.00%	173A/633	
illing Appalachian Corporation	Antero Resources Corporation	I	179A/300	
stero Resources Corporation	SWN Production Company, LLC	l	272A/588	
ristina L. Cain, a single woman	SWN Production Company, LLC	15.00%	308A/59	
eryl VanPelt illing Appalachian Corporation	Drilling Appalachian Corporation	15.00%	176A/687 /D	1/20
illing Appalachian Corporation itero Resources Corporation	Antero Resources Corporation		1136/300	1/20
rolyn Jane Weller, a single woman	SWN Production Company, LLC		272A/588	
	SWN Production Company, LLC	15.00%	290A/110	
nningham, husband and wife	Drilling Appalachian Corporation	17.00%	177A/531	
tille and a such a base of the second	Antero Resources Corporation		180A/73 272A/588 CE	
. <u>.</u>	SWN Production Company, LLC	1	180A/73	E11
tero Resources Corporation				

APR 1 8 2023

Attached to and made a part of the State of West Virginia Oil and Gas Form, WW-6A1, by SWN Production Company, L.L.C, as Operator William Ritchea WTZ 210H EXHIBIT "A"

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		Brett J. Lausin, a single man	SWN Production Company, LLC	18.00%	310A/759	
		Barhara Percinser	Drilling Appalachian Corporation	15.00%	174A/208	
		Orillias Appalachian Corporation	Antero Resources Corporation		179A/300	
		Author December Companion	SWN Production Company, LLC		272A/588	
		Allielo nesonices corporation	S-115	10.00%	2024/646	
		Barbara L. Barnhart & Walter Barnhart, husband and	Urilling Appalachan Corporation	13.00%	2040/040	
		wife			3158/030	
		Drilling Appalachian Corporation	Antero Resources Corporation		066/9617	
		Antero Resources Corporation	SWN Production Company, LLC		272A/588	
		Arelena B. Horner & Quay A. Horner, husband and	Drilling Appalachian Corporation	15.00%	202A/640	
		wife				
		Deiling Appalachian Corporation	Antero Resources Corporation		215A/930	
			CWN Broduction Company 11		272A/588	
		Antero Resources Corporation	SWAN FLOUDELING CONTINUES THE	10.00%	Donding	
		Carolyn Ann Gale	SWN Production Companay, LLC	10.00	Single Single	
		Linda Sue Frail	SWN Production Company, LLC	18.00%	317A/282	
		Thomas Vernon Anderson	SWN Production Company, LLC	18.00%	317A/276	
Ş	1 10 40	Tholms Noil Dalmar	Orilling Appalachian Corporation	15.0000%	138A/708	0.0000%
OŢ	64-01-1				1794/300	
		Drilling Appalachian Corporation	Antero Resources Corporation		277 / COD	
		Antero Resources Corporation	SWN Production Company, LLC, and Equinor USA		00C/Y77/7	
			Onshore Properties, Inc.			
		Sharon L. Burton	Drilling Appalachian Corporation	15.0000%	134A/933	
		Drilling Appalachian Corporation	Antero Resources Corporation		179A/300	
		Antero Resources Corporation	SWN Production Company, LLC, and Equinor USA		272A/588	
			Onshore Properties, Inc.			
			Drillian Appalachian Corporation	15.0000%	135A/229	
		Lisa M. Beers	Utilling Appalaction Corporation	200001	1704/200	
		Drilling Appalachian Corporation	Antero Resources Corporation		1/9A/300	
		Antero Resources Corporation	SWN Production Company, LLC, and Equinor USA		272A/588	
			Onshore Properties, Inc.			
		Rock Camp Oil Co. and Telluric Company	Drilling Appalachian Corporation	15.0000%	126A/155	
		NOCK Carilly Oil Co., and remote company	Answer December Compension		179A/300	
		Drilling Apparachian Corporation	Affect Resolutes Colligion		3734/599	
		Antero Resources Corporation	SWN Production Company, LLC, and equinor USA		00C/W7/7	
			Onshore Properties, Inc.			
		Daria F. Palmer	Drilling Appalachian Corporation	15.0000%	135A/209	
		Drilling Appalachian Corporation	Antero Resources Corporation		179A/300	
		Antero Resources Corporation	SWN Production Company, LLC, and Equinor USA		272A/588	
			Onshore Properties, Inc.			
		Christopher F. Palmer	Drilling Appalachian Corporation	15.0000%	136A/101	
٠./		Drilling Appalachian Corporation	Antero Resources Corporation		1794/300	
10		Antero Recourses Corporation	SWN Production Company, LLC, and Equinor USA		272A/588	
4			Onshore Properties, Inc.			
12		Anita Crosban	Drilling Appalachian Corporation	15.0000%	136A/91	
01		Osiling Appropriate Comparation	Antero Resources Cornoration		179A/300	
23		Astero Becourse Corporation	SWN Production Company, LLC, and Equinor USA		272A/588	
			Obshore Properties, Inc.			
		land B.	SWN Production Company, 11C	18.0000%	287A/910	





471030357

Jews treduction Company, LLC

I300 Fort Pierpont Dr, Ste 20I Morgantown, WV 26508 Tel: 304 884 1610 Fex: 304 471 2497 WWW.SWB.com

March 3, 2023

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

RE: SWN's proposed New Well: William Ritchea WTZ 210H in Wetzel County, West Virginia, Drilling under Carney Fork Road and Fairview Ridge 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 Carney Fork Road and Fairview Ridge 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

R-ANV+

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

Date of 140th	ce Certification: 3			s Well No. William Ritchea WTZ 210H
Notice has	been given:		Well Pad	Name: William Ritchea WTZ
Pursuant to th		§ 22-6A, the Operator has pro	ovided the rec	quired parties with the Notice Forms listed
State:	West Virginia	AUTHA NIA DI GO	Easting:	529,209,263
County:	103-Wetzel	UTM NAD 83	Northing:	4,391,135,903
District:	Proctor	Public Road Acc		Harlan Ridge Road
Quadrangle:	Wileyville	Generally used t	arm name:	William Ritchea
Watershed:	Fish Greek			
prescribed by it has provide information re	the secretary, shall be verified and sl ed the owners of the surface describ equired by subsections (b) and (c), se	hall contain the following informed in subdivisions (1), (2) a ction sixteen of this article; (formation: (14 and (4), subs ii) that the red	s section shall be on a form as may be 4) A certification from the operator that (i) section (b), section ten of this article, the quirement was deemed satisfied as a result ten of this article six-a; or (iii) the notice

requirements of subsection (b), section sixteen of this article were waived in writing by the surface owner; and Pursuant to West Virginia Code § 22-6A-11(b), the applicant shall tender proof of and certify to the secretary that the notice requirements of section ten

Pursuant to West Virginia Code § 22-6A, the Operator has attached proof to this Notice Certification that the Operator has properly served the required parties with the following: OOG OFFICE USE *PLEASE CHECK ALL THAT APPLY ONLY □ 1. NOTICE OF SEISMIC ACTIVITY or ■ NOTICE NOT REQUIRED BECAUSE NO ☐ RECEIVED/ SEISMIC ACTIVITY WAS CONDUCTED NOT REQUIRED ■ 2. NOTICE OF ENTRY FOR PLAT SURVEY or ☐ NO PLAT SURVEY WAS CONDUCTED ☑ RECEIVED ■ 3. NOTICE OF INTENT TO DRILL OF NOTICE NOT REQUIRED BECAUSE RECEIVED/ NOTICE OF ENTRY FOR PLAT SURVEY NOT REQUIRED WAS CONDUCTED or □ WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH) RECEIVED 4. NOTICE OF PLANNED OPERATION Office of Oil and Gas RECEIVED 5. PUBLIC NOTICE APR 1 3 2023 RECEIVED WV Department o 6. NOTICE OF APPLICATION

Required Attachments:

of this article have been completed by the applicant.

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:

4710303375

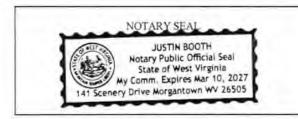
THEREFORE, I Brittany Woody , have read and understand the notice requirements within West Virginia Code § 22-6A. I certify that as required under West Virginia Code § 22-6A, I have served the attached copies of the Notice Forms, identified above, to the required parties through personal service, by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

 Well Operator:
 SWN Production Co., LLC
 Address:
 1300 Fort Pierpont Dr., Suite 201

 By:
 Brittany Woody
 Morgantown, WV 26508

 Its:
 Senior Regulatory Analyst
 Facsimile:

 Telephone:
 304-884-1610
 Email:
 Brittany_Woody@swn.com



Subscribed and sworn before me this 28th day of FEBRUARY 2623.

Notary Public

My Commission Expires 3/10/202)

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 www.gov.

WW-6A (9-13) API NO. 47-103

OPERATOR WELL NO. WEIST RICHES WIZ ZYOH
Well Pad Name William Ritches WTZ

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

Not	ice Time Requiremen	nt: notice shall be j	provided no later than	the filing date of permit application.	
	0/12		2/1	2	
Dat	e of Notice	Date Permit Ap	plication Filed:	2	
Not	ice of:				
		-			
	PERMIT FOR ANY	CER	CTIFICATE OF APP	ROVAL FOR THE	
	WELL WORK	CON	NSTRUCTION OF A	N IMPOUNDMENT OR PIT	
Del	ivery method pursua	mt to West Virgin	in Code § 22-6A-10	bì	
	PERSONAL	✓ REGISTEREI) METHO	DD OF DELIVERY THAT REQUIRES A	
	SERVICE	MAIL	RECEI	PT OR SIGNATURE CONFIRMATION	
the : oil a desc oper mor well imp have pror pror pror Cod	surface of the tract on wand gas leasehold being cribed in the crosion an rator or lessee, in the eve coal seams; (4) The of lwork, if the surface the coundment or pit as desice a water well, spring o wide water for consumptionsed well work activities of the sheriff requiresion of this article to the R. § 35-8-5.7.a required.	which the well is or a developed by the p of sediment control p went the tract of land owners of record of a act is to be used for cribed in section nin or water supply source tion by humans or d by is to take place. (e on hold interests in t ared to be maintained the contrary, notice to ires, in part, that the	is proposed to be local roposed well work, if plan submitted pursuant on which the well put the surface tract or traction the placement, construe of this article; (5) A ce located within one to domestic animals; and (1) If more than three the lands, the applicant pursuant to section e to a lien holder is not a coperator shall also pr	the well plat to each of the following persons: (1) The owners of the ded. (2) The owners of record of the surface tract or tracts over the surface tract is to be used for roads or other land disturbance it to subsection (c), section seven of this article; (3) The coal of posed to be drilled is located [sic] is known to be underlain by the overlying the oil and gas leasehold being developed by the prection, enlargement, alteration, repair, removal or abandonment my surface owner or water purveyor who is known to the application of the hundred feet of the center of the well pad which (6) The operator of any natural gas storage field within which it tenants in common or other co-owners of interests described it may serve the documents required upon the person described light, article one, chapter eleven-a of this code. (2) Notwithstan notice to a landowner, unless the lien holder is the landowner, ovide the Well Site Safety Plan ("WSSP") to the surface owners or provided in section 15 of this rule.	lying the ce as wher, one or oroposed t of any cant to is used to the n in the ding any W. Va.
				☑ Well Plat Notice is hereby provided to:	
DS.	URFACE OWNER(s)			COAL OWNER OR LESSEE	
	ne: William & Shirley Ritches			Name: C/O Leatherwood Attn: Casey Saunders	
	Iress: 12263 Proctor Creek			Address: 275 Technology Drive	
New	Martinsville, WV			Canonsburg, PA 15317	
Nar	ne:			COAL OPERATOR	
	2 (3-			Name	
				Address:	
ПS	URFACE OWNER(s)	(Road and/or Othe	er Disturbance)		
-	ne:			M SURFACE OWNER OF WATER WELL	
Add	lress:			AND/OR WATER PURVEYOR(s)	
0.5				Name None	
Nar	ne:			Address	
Add	fress				
	2177			OPERATOR OF ANY NATURAL GAS STORAGE FIL	ELD
ПS	URFACE OWNER(s)	(Impoundments or	r Pits)	Name:	
	ne:			Address:	
Add	Iress			V-110-0110	
				*Please attach additional forms if necessary	

API NO. 47-403 OPERATOR WELL NO. WIlliam Rinches WTZ 210H

Well Pad Name: William Ritchea WTZ

Notice is hereby given:

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

This Notice Shall Include:

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

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

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

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

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

Well Location Restrictions

Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two hundred fifty feet measured horizontally from any existing water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided, whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements. (b) No well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No well pad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the department shall be measured as follows: (1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the lake or reservoir. (2) For a surface water intake on a flowing stream, the distance shall be measured from a semicircular radius extending upstream of the surface water intake. (3) For a groundwater source, the distance shall be measured from the wellhead or spring. The department may, in its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. A waiver, if granted, shall impose any permit conditions as the secretary considers necessary. (c) Notwithstanding the foregoing provisions of this section, nothing contained in this section prevents an operator from conducting the activities permitted or authorized by a Clean Water Act Section 404 permit or other approval from the United States Army Corps of Engineers within any waters of the state or within the restricted areas referenced in this section. (d) The well location restrictions set forth in this section shall not apply to any well on a multiple well pad if at least one of the wells was permitted prior to the effective date of this article. (e) The secretary shall, by December 31, 2012, report to the Legislature on the noise, light, dust and volatile organic compounds generated by the drilling of horizontal wells as they relate to the well location restrictions regarding occupied dwelling structures pursuant to this section. Upon a finding, if any, by the secretary that the well location restrictions regarding occupied dwelling structures are inadequate or otherwise require alteration to address the items

API NO. 47- 103 OPERATOR WELL NO. William Ritchea WTZ 210H
Well Pad Name: William Ritchea WTZ

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

Water Well Testing:

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

Water Testing Laboratories:

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

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

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

Written Comment:

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

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

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.

API NO. 47-163 OPERATOR WELL NO. WILLIAM RITCHER WITZ 210H
Well Pad Name: William Ritchea WTZ

Time Limits and Methods for Filing Comments.

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

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

Comment Requirements

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

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

Permit Denial or Condition

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

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

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

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

WW-6A (8-13) API NO. 47-103 OPERATOR WELL NO. William Ritches WTZ 210H
Well Pad Name: William Ritches WTZ

Notice is hereby given by:

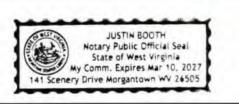
Well Operator: SWN Production Co., LLC

Telephone: 304-884-1610 Email: Brittany_Woody@swn.com Address: 1300 Fort Plerpont Dr., Suite 201
Morgantown, WV 26508

Facsimile:

Oil and Gas Privacy Notice:

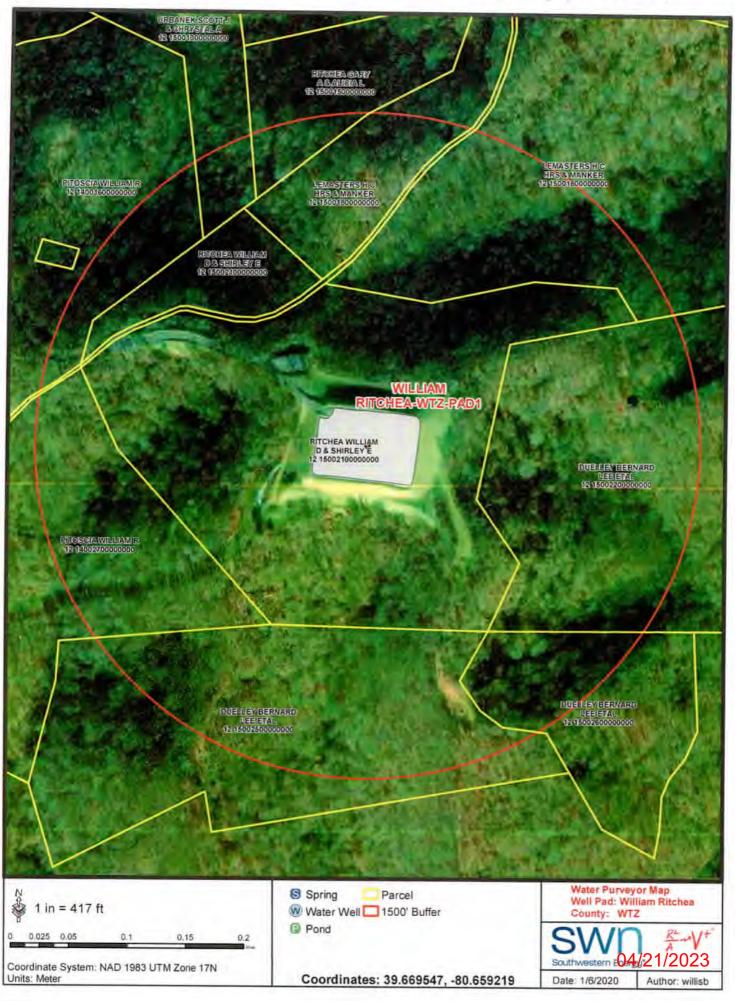
The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory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



Subscribed and sworn before me this 26th day of FEBRUARY 2023.

Notary Public

My Commission Expires 3/10/



(1/12)

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLACEMENTS.

entry	e Requirement: No tice: 5/18/2022		ded at least SEVEN (7) days but no more that ned Entry: 5/25/2022	n FORTY-FIVE (45) days prior to
Believes w	ethod and small to	West Virginin C	ge S /z-nA-tilp	
□ PERSO SERVI		EGISTERED 4AII.	☐ METHOD OF DELIVERY THAT RE RECEIPT OR SIGNATURE CONFIR	
on to the sur our no more beneath suc owner of mi and Sedime Secretary, we enable the s	reach trach to comment than tercy-free only the tract that has filed inerals underlying so int Control Manual a which statement shall surface other to dec	in any quait survey, a pitor to naun entraction pur uch tract in the cound the statutes ar Il include contact	tion to filing a permit application, the operator required pursuant to this article for the miles of the property of the property section thirty-six, article six, chapter to inty tax records. The notice shall include a start rules related to oil and gas exploration and performation, including the address for a web particle of the property.	wenty-two of this code; and (3) any attention that copies of the state Erosion roduction may be obtained from the
_	ACE OWNER(s)		■ COAL OWNER OR LE	SSEE
	•		Name: C/O Leatherwood Attn: Casey	
Name Willia	m & Shirley Ritches		Address: 275 Technology Drive Suit	
/Audi/USS. [4] Nami Madagailig	2263 Proctor Creek Road		Connection DA 45347 OCES	
			• •	
Address:			MINERAL OWNER(s)	
, iddiess.			Name: William & Shirley Ritchea	
Name.			Address: 12263 Proctor Creek Road	d
*ddrase:	· ·		New Martinsville, WV 26155	
			to be even as who although for the first	NO PROPERTY.
Pursuant to a plat surve State: Conat, District:	ey on the tract of lan West Virginia Westel Proctor	e § 22-6A-10(a), (d as follows:	Approx Latitude & Longitude, Public Road Access: Watershed.	
Copies of the obtained for the obtained	he state Erosion and ained from the Secr NVV 05304 (204-9 om the Secretary by	etary at the WV (176-0450) Copie	Manual and the statutes and rules related to department of Environmental Protection head of such documents or additional information	practices, located at 601-57° Street, 5th, related to houseontal drilling may be Office Of On and Gen
	STOT' SWN PRODUCTIO	ON COMPANY, LLC	Address' 1300 Fort Pierpont Dr.	
Well Opera			14 o steries MAN 2665	∽
Well Opera Telophone:	304-884-1610		Morgantown, WV 2650	Environmental Protection

Oil and Gas Privacy Notice:

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

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

1

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 Notice	Requirement: Notice shall be pro-	vided at least TEN (10) days prior to fiting a	permit application
Delivery me	thod pursuant to West Virginia C	ode § 22-6A-16(b)	
☐ HAND	■ CERTIFIED MAII		
DELIVE	그리는 그는 그는 그리아는 경찰에서 유리하고 얼굴 때,		
receipt reque drilling a hor of this subsection m	sted or hand delivery, give the surfa izontal well: <i>Provided</i> , That notice tion as of the date the notice was p ay be waived in writing by the surfa	ten days prior to filing a permit application ace owner notice of its intent to enter upon the given pursuant to subsection (a), section to rovided to the surface owner. Provided, how ace owner. The notice, if required, shall incommail address of the operator and the operator	he surface owner's land for the purpose of en of this article satisfies the requirements wever. That the notice requirements of this lude the name, address, telephone number.
	reby provided to the SURFAC		
	D. & Shirley E. Ritchea 3 Proctor Creek Rd.	Name:	
New Martinsville		Address	
the surface of State: County District:	West Virginia Westel Proctor	notice is hereby given that the undersigned ng a horizontal well on the tract of land as for the	529,209.263 4,391,135.903 Fairview Ridge
Quadrangle: Watershed:	Wileyville, WV Fish Creek (HUC-10)	Generally used farm name:	William Ritchea
This Notice Pursuant to V facsimile nur related to hor	Shall Include: West Virginia Code § 22-6A-16(but and electronic mail address electronic distribution of the control of the con	o), this notice shall include the name, added the operator and the operator's authorize from the Secretary, at the WV Department of 15304 (304-926-0450) or by visiting	ed representative. Additional information of Environmental Protection headquarters,
Notice is he	reby given by:		
Well Operato	SWN Production Company, LLC	Authorized Representative	Justin Booth
Address	1300 Fort Pierpont Road, Suite 201	Address:	1300 Fort Pierpont Road, 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
Facsimile:		Facsimile:	
	Carrier A.		_

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 deprivacy officer as a deprivacy of the privacy of the

WW-6A5 (1/12)

Operator Well No. WILLIAM WIZZIN

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

Notice T Date of N	ime Requirement: notice shall be provided Notice: D2/16/2023 Date Permit	no later than the filing	date of permi	t application.
Delivery	method pursuant to West Virginia Code	§ 22-6A-16(c)	,	-
	RTIFIED MAIL TURN RECEIPT REQUESTED	HAND DELIVERY		
the plann required t drilling o damages	ed operation. The notice required by this to be provided by subsection (b), section ten if a horizontal well, and (3) A proposed su to the surface affected by oil and gas operationices required by this section shall be given	rface owner whose lan subsection shall inclu- ted of this article to a sur- urface use and compen- tions to the extent the d	d will be used f ide: (1) A copy face owner who sation agreement amages are com-	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 the ad-	hereby provided to the SURFACE OWN dress listed in the records of the sheriff at th liam D. & Shirley E. Ritchea	e time of notice):		λ-
	12263 Proctor Creek Rd.	Name:		
	sville, WV 26155	Addres	S	
operation State: County: District: Quadrang	to West Virginia Code § 22-6A-16(c), notice on the surface owner's land for the purpose West Virginia Wetzel Proctor de: Wileyville, WV	e of drilling a horizont UTM NAD Public Road	al well on the tra Easting: Northing: Access:	act of land as follows: 529,209, 24, 3 4,391.13 5,903 Fairview Ridge
Watershe		Generally us	ed farm name:	William Ritchea
Pursuant to be pro horizontal surface af information	to West Virginia Code § 22-6A-16(c), this revided by W. Va. Code § 22-6A-10(b) to a well; and (3) A proposed surface use and of fected by oil and gas operations to the extension related to horizontal drilling may be obers, located at 601 57th Street, SE, Challenger.	a surface owner whos compensation agreeme ent the damages are c tained from the Secre	e land will be u ent containing ar compensable und tary, at the WV	used in conjunction with the drilling of a n offer of compensation for damages to the der article six-b of this chapter. Additional
Well Open	Fator SWN Production Company, LLC	Address	1300 Fort Plerpont	Road, Sulle 201
Telephone	304-884-1675		Morgantown, WV 28	5508
Email:	Justin_Booth@swn.com	Facsimile		-
	LANGE FOR SECTION AND ADDRESS OF THE PARTY O			

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 deposits contact the process of the privacy Officer at deposits contact the process of the privacy Officer at the privacy Officer at the process of the privacy Officer at the privac



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

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

Gregory L. Bailey, P.E. Interim State Highway Eagineer

February 22, 2023

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

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

Subject: DOH Permit for the William Ritchea Pad, Wetzel County
William Ritchea WTZ 210H Well Site

Dear Mr. Martin,

This well site will be accessed from a DOH permit #06-2011-0618 which has been issued to Southwestern Energy for access to the State Road for a well site located off Wetzel County Route 1/19 SLS MP 1.77.

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 Operations Engineer Central Office O&G Coordinator

Dary K. Clayton

Cc: Brittany Woody

Southwestern Energy CH, OM, D-6

File

4710103575

Photos Memb Al-303 (U.S. Well Services)	Mixture	Cornical Transa	CASH
An-203 (U.S. Well Services)	Mintore		
	THURSDAY.	Ethylene glycol	107-211
		Cinnamaldehyde	104-55 2
		Butyl cellosolve	111-76 2
		Formic acid	64-18 6
		Polyether	Proprietary
		Acetophenone, thiourea, formaldehyde polymer	
AD DAKE IN C. Wall Francisco	Bereiter		68527-49 1
AP ONE (U.S. Well Services)	Breaker	Ammonium persuifate	7727-54-0
Bactron K-139 (Champion Technologies)	Blocide	Glutaraldehyde	111-30-8
		Quaternary Ammonium Compounds, Benzyl-C12-15-Alkyldimethyl, Chlorides	68424-85-1
		Ethanol	
e de la companya de l	40.000		64-17-5
Sactron K-219 (Champion Technologies)	Blocide	Methanol	67-56-1
		Quaternary Ammonium Compounds, Benzyl-C12-16-Alkyldimethyl, Chlorides	68424-85-1
arboNRT	Tracer	Ceramic Proppant	65402-58-4
C6486A (Nalco Champion)	Scale Inhibitor		
Conoda (Naico Crampion)	Scale Inhibitor	Amine Triphosphate	Proprietary
		Ethylene Glycol	107-21-1
C6734A (Champion Technologies)	Blocide	Hydrogen Peroxide	7722-84-1
		Acetic Acid	64-19-7
		Peroxyacetic Acid	79-21-0
cono-Ci200 (SWN Well Services)	Corrosion Inhibitor	Methanol	
COLO-CINOO (24414 AABII 261AICER)	Corresion inhibitor		67-56-1
		Oxyalkylated fatty acid	68951-67-7
		Fatty acids	61790-12-3
		Modified thiourea polymer	68527-49-1
		Water	7732-18-5
		Hydrochloric acid	7647-01-0
		Potassium acetate	127-08-2
		Formaldehyde	50-00-0
copol-FEAC (SWN Well Services)	Iron Control	Acetic Acid	64-19-7
	- 1 10 y 10 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Citric Acid	77-92-9
		Water	
E 1112 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PERCENTAGE AND ADDRESS OF THE PERCEN		7732-18-5
DP-S1176-15 (Halliburton)	Friction Reducer	Polyacylate	Proprietary
		Hydrotreated light petroleum distillate	54742-47-8
LOJET DR900 LPP (SWN Well Services)	Friction Reducer	Distillates (petroleum) hydrotreated light	64674-47-8
the same of the sa		Ethylene Glycol	107-21-1
			- S. S. G. SEVEN
		Alcohols, C12-16, Exoxylated propoxylated	68213-24-1
		Fatty Alcohols ethoxylated	Proprietary
		Water	7732-18-5
LOJET DRP 1130X (SWN Well Services)	Friction Reducer	Proprietary	Proprietary
R-76 (Halliburton)	Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8
1-76 (Hamburton)	Friction Reducer		
		Inorganic Salt	Proprietary
PTRON T-390 (Champion Technologies)	Scale Inhibitor	Methanol	67-56-1
		Nonylphenol Ethoxylate	Proprietary
Al-150E (Halliburton)	Corrosion Inhibitor	No hazardous substance	N/A
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CL (SWN Well Services)	Hydrocholic Acid	Hydrochloric Acid	7647-01-0
		Water	7732-18-5
-65 MC (Halliburton)	Scale Inhibitor	Organic phosphonate	Proprietary
		Ammonium Chloride	12125-02-9
	Wiscosibilna Arant	Distillates, petroleum, hydrotreated light	64742-47-8
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The same of the sa	Friction Reducer	Hydrotreated Distillate Sodium Chloride Alcohols, C12-16, Exoxylated Oleic Acid Diethanolamide	7647-14-5 68551-12-2 93-83-4
exsilck 930		Hydrotreated Distillate Sodium Chloride Alcohols, C12-16, Exoxylated Oleic Acid Diethanolamide Ammonium Chloride	7647-14-5 68551-12-2 93-83-4 12125-02-9
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exslick 930 exslick 953 exslick 957 exslick V996 FRA-2000 (U.S. Well Services)	Friction Reducer Friction Reducer no date available Anionic Friction Reducer Scale Inhibitor	Hydrotreated Distillate Sodium Chloride Alcohols, C12-16, Exoxylated Oleic Acid Diethanolamide Ammonium Chloride Petroleum Distillate Sodium Chloride Ammonium Chloride N,N-bis [2-hydroxyethyl) oleamide Petroleum Distillate Ammonium Chloride Oleic Acid Diethanolamide Alcohols, C12-16, Exoxylated Water Copolymer of 2-Propeenamide Distillates (petroleum), hydotreated light Alcohol Ethoxylate Surfactant Hydrotreated light distillate (petroleum) Propenoic acid, polymer with propenamide Diethylenetriamine pents (methylene phosphonic acid) Copolymer of 2-propenaminde Distillates (petroleum), hydotreated light	7647-14-5 68551-12-2 93-83-4 12125-02-9 64742-47-8 7647-14-5 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 64742-47-8 64742-47-8 64742-47-8
exslick 930 exslick 953 exslick 957 exslick V996 /FRA-2000 (U.S. Well Services)	Friction Reducer Friction Reducer no date available Anionic Friction Reducer Scale Inhibitor	Hydrotreated Distillate Sodium Chloride Alcohols, C12-16, Exoxylated Oleic Acid Diethanolamide Ammonium Chloride Petroleum Distillate Sodium Chloride Ammonium Chloride N,N-bis [2-hydroxyethyl) oleamide Petroleum Distillate Ammonium Chloride N,N-bis [2-hydroxyethyl) oleamide Petroleum Distillate Armonium Chloride Oleic Acid Diethanolamide Alcohols, C12-16, Exoxylated Water Copolymer of 2-Propeenamide Distillates (petroleum), hydotreated light Alcohol Ethoxylate Surfactant Hydrotreated light distillate (petroleum) Propenoic acid, polymer with propenamide Diethylenetriamine penta (methylene phosphonic acid) Copolymer of 2-propenaminde Distillates (petroleum), hydotreated light Ammonium chloride ((NH4)CI)	7647-14-5 68551-12-2 93-83-4 12125-02-9 64742-47-8 7647-14-5 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 68751-12-2 7732-15-5 64742-47-8 9003-06-9 15827-30-8 69418-26-4 64742-47-8 12125-02-9
exslick 930 exslick 953 exslick 957 exslick V996 FRA-2000 (U.S. Well Services) exald 655 NM exslick 922	Friction Reducer Friction Reducer no data available Anionic Friction Reducer Scale Inhibitor no data available	Hydrotreated Distillate Sodium Chloride Alcohols, C12-16, Exoxylated Oleic Acid Diethanolamide Ammonium Chloride Petroleum Distillate Sodium Chloride Ammonium Chloride M.N-bis (2-hydroxyethyl) oleamide Petroleum Distillate Ammonium Chloride Oleic Acid Diethanolamide Alcohols, C12-16, Exoxylated Water Copolymer of 2-Propenamide Distillates (petroleum), hydotreated light Alcohol Ethoxylate Surfactant Hydrotreated light distillate (petroleum) Propenois acid, polymer with propenamide Diethylenetriamine penta (methylene phosphonic acid) Copolymer of 2-propenaminde Distillates (petroleum), hydotreated light Ammonium chloride (NH4)CI) Oleic Acid Diethnolamide	7647-14-5 68551-12-2 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 15827-30-8 69418-26-4 64742-47-8 12125-02-9 15827-30-8
exslick 930 exslick 953 exslick 957 exslick V996 FRA-2000 (U.S. Well Services) exald 655 NM exslick 922	Friction Reducer Friction Reducer no date available Anionic Friction Reducer Scale Inhibitor	Hydrotreated Distillate Sodium Chloride Alcohols, C12-16, Exoxylated Oleic Acid Diethanolamide Ammonium Chloride Petroleum Distillate Sodium Chloride Ammonium Chloride N,N-bis [2-hydroxyethyl] oleamide Petroleum Distillate Ammonium Chloride Oleic Acid Diethanolamide Alcohols, C12-16, Exoxylated Water Copolymer of 2-Propeenamide Distillates (petroleum), hydotreated light Alcohol Ethoxylate Surfactant Hydrotreated light distilliate (petroleum) Propenoic acid, polymer with propenamide Diethylenetriamine pents (methylene phosphonic acid) Copolymer of 2-propenaminde Distillates (petroleum), hydotreated light Ammonium chloride ((NH4)CI) Oleic Acid Diethnolamide Phosphonium, tetrakis (hydroxymethyl), Sulfate	7647-14-5 68551-12-2 93-83-4 12125-02-9 64742-47-8 7647-14-5 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 54742-47-8 12125-02-9 93-83-4 55556-30-8
exslick 930 exslick 953 exslick 957 exslick V996 FRA-2000 (U.S. Well Services) exald 655 NM exslick 922	Friction Reducer Friction Reducer no data available Anionic Friction Reducer Scale Inhibitor no data available	Hydrotreated Distillate Sodium Chloride Alcohols, C12-16, Exoxylated Oleic Acid Diethanolamide Ammonium Chloride Petroleum Distillate Sodium Chloride Ammonium Chloride M.N-bis (2-hydroxyethyl) oleamide Petroleum Distillate Ammonium Chloride Oleic Acid Diethanolamide Alcohols, C12-16, Exoxylated Water Copolymer of 2-Propenamide Distillates (petroleum), hydotreated light Alcohol Ethoxylate Surfactant Hydrotreated light distillate (petroleum) Propenois acid, polymer with propenamide Diethylenetriamine penta (methylene phosphonic acid) Copolymer of 2-propenaminde Distillates (petroleum), hydotreated light Ammonium chloride (NH4)CI) Oleic Acid Diethnolamide	7647-14-5 68551-12-2 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4
exslick 930 exslick 953 exslick 957 exslick V996 FRA-2000 (U.S. Well Services) exald 655 NM exslick 922	Friction Reducer Friction Reducer no data available Anionic Friction Reducer Scale Inhibitor no data available	Hydrotreated Distillate Sodium Chloride Alcohols, C12-16, Exoxylated Oleic Acid Diethanolamide Ammonium Chloride Petroleum Distillate Sodium Chloride Ammonium Chloride M.N-bis (2-hydroxyethyl) oleamide Petroleum Distillate Ammonium Chloride Oleic Acid Diethanolamide Alcohols, C12-16, Exoxylated Water Copolymer of 2-Propenamide Distillates (petroleum), hydotreated light Alcohol Ethoxylate Surfactant Hydrotreated light distillate (petroleum) Propenoic acid, polymer with propenamide Diethylenetriamine penta (methylene phosphonic acid) Copolymer of 2-propenaminde Distillates (petroleum), hydotreated light Ammonium chloride (NH4)CI) Oleic Acid Diethnolamide Phosphonium, tetrakis (hydroxymethyl), Sulfate Quaternary ammonium Compounds, Benzyl-C22-16-Alkyldimethyl, Chlorides	7647-14-5 68551-12-2 93-83-4 64742-47-8 7647-14-5 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 15827-30-8 69418-26-4 64742-47-8 12125-02-9 12125-02-9 15827-30-8 69418-26-4 64742-47-8 12125-02-9 15827-30-8 69418-26-4 64742-47-8 12125-02-9 13-83-4 55566-30-8 68424-85-1
exslick 930 exslick 953 exslick 957 exslick V996 FRA-2000 (U.S. Well Services) exald 655 NM exslick 922	Friction Reducer Friction Reducer no date available Anionic Friction Reducer Scale Inhibitor no date available Mixture	Hydrotreated Distillate Sodium Chloride Alcohols, C12-16, Exoxylated Oleic Acid Diethanolamide Ammonium Chloride Petroleum Distillate Sodium Chloride Ammonium Chloride N,N-bis [2-hydroxyethyl) oleamide Petroleum Distillate Ammonium Chloride Oleic Acid Diethanolamide Alcohols, C12-16, Exoxylated Water Copolymer of 2-Propeenamide Distillates (petroleum), hydotreated light Alcohol Ethoxylate Surfactant Hydrotreated light distillate (petroleum) Propenoic acid, polymer with propenamide Distillates (petroleumi, hydotreated light Alcohol Ethoxylate Surfactant Hydrotreated light distillate (petroleum) Propenoic acid, polymer with propenamide Distillates (petroleumi, hydotreated light Ammonium chloride ((NH4)CI) Oleic Acid Diethnolamide Phosphonium, tetrakis (hydroxymethyl), Sulfate Quaternary ammonium Compounds, Benryl-C12-16-Alkyldimethyl, Chlorides Ethanol	7647-14-5 68551-12-2 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-6 64742-47-8 12125-02-9 93-83-6 64742-47-8 12125-02-9 93-83-6 64742-47-8 12125-02-9 93-83-6 64742-47-8 12125-02-9 93-83-6 64742-47-8 12125-02-9 93-83-6 64742-47-8 12125-02-9 93-83-6 64482-45-1
exslick 930 exslick 953 exslick 957 exslick V996 FRA-2000 (U.S. Well Services) exald 655 NM exslick 922	Friction Reducer Friction Reducer no data available Anionic Friction Reducer Scale Inhibitor no data available	Hydrotreated Distillate Sodium Chloride Alcohols, C12-16, Exoxylated Oleic Acid Diethanolamide Ammonium Chloride Petroleum Distillate Sodium Chloride Ammonium Chloride M.N-bis (2-hydroxyethyl) oleamide Petroleum Distillate Ammonium Chloride Oleic Acid Diethanolamide Alcohols, C12-16, Exoxylated Water Copolymer of 2-Propenamide Distillates (petroleum), hydotreated light Alcohol Ethoxylate Surfactant Hydrotreated light distillate (petroleum) Propenoic acid, polymer with propenamide Diethylenetriamine penta (methylene phosphonic acid) Copolymer of 2-propenaminde Distillates (petroleum), hydotreated light Ammonium chloride (NH4)CI) Oleic Acid Diethnolamide Phosphonium, tetrakis (hydroxymethyl), Sulfate Quaternary ammonium Compounds, Benzyl-C22-16-Alkyldimethyl, Chlorides	7647-14-5 68551-12-2 93-83-4 64742-47-8 7647-14-5 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 65566-30-8 68424-85-1
exslick 930 exslick 953 exslick 957 exslick V996 FRA-2000 (U.S. Well Services) exald 655 NM exslick 922	Friction Reducer Friction Reducer no date available Anionic Friction Reducer Scale Inhibitor no date available Mixture	Hydrotreated Distillate Sodium Chloride Alcohols, C12-16, Exoxylated Oleic Acid Diethanolamide Ammonium Chloride Petroleum Distillate Sodium Chloride Ammonium Chloride Ammonium Chloride N,N-bis (2-hydroxyethyl) oleamide Petroleum Distillate Ammonium Chloride Oleic Acid Diethanolamide Alcohols, C12-16, Exoxylated Water Copolymer of 2-Propeenamide Distillates (petroleum), hydotreated light Alcohol Ethoxylate Surfactant Hydrotreated light distillate (petroleum) Propenoic acid, polymer with propenamide Diethylenetriamine penta (methylene phosphonic acid) Copolymer of 2-propenaminde Distillates (petroleum), hydotreated light Ammonium chloride ((NH4)CI) Oleic Acid Dietholamide Phosphonium, tetrakis (hydroxymethyl), Sulfate Quaternary ammonium Compounds, Benryl-C12-16-Alkyldimethyl, Chlorides Ethanol Tetrakis (hydroxymethyl) phosphonium sulphate	7647-14-5 68551-12-2 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-6 64742-47-8 12125-02-9 93-83-6 64742-47-8 12125-02-9 93-83-6 64742-47-8 12125-02-9 93-83-6 64742-47-8 12125-02-9 93-83-6 64742-47-8 12125-02-9 93-83-6 64742-47-8 12125-02-9 93-83-6 64482-45-1
exslick 930 exslick 953 exslick 957 exslick V996 FRA-2000 (U.S. Well Services) exald 655 NM exslick 922	Friction Reducer Friction Reducer no date available Anionic Friction Reducer Scale Inhibitor no date available Mixture	Hydrotreated Distillate Sodium Chloride Alcohols, C12-16, Exoxylated Oleic Acid Diethanolamide Ammonium Chloride Petroleum Distillate Sodium Chloride Ammonium Chloride Ammonium Chloride Ammonium Chloride N.N-bis (2-hydroxyethyl) oleamide Petroleum Distillate Ammonium Chloride Oleic Acid Diethanolamide Alcohols, C12-16, Exoxylated Water Copolymer of 2-Propeenamide Distillates (petroleum), hydotreated light Alcohol Ethoxylate Surfactant Hydrotreated light distillate (petroleum) Propenoic acid, polymer with propenamide Diethylenetriamine penta (methylene phosphonic acid) Copolymer of 2-propenaminde Distillates (petroleum), hydotreated light Alcohol Ethoxylate Surfactant Hydrotreated light distillate (petroleum) Propenoic acid, polymer with propenamide Diethylenetriamine penta (methylene phosphonic acid) Copolymer of 2-propenaminde Distillates (petroleum), hydotreated light Ammonium chloride ((NH4)CI) Oleic Acid Diethnolamide Phosphonium, tetrakis (hydroxymethyl), Sulfate Quaternary ammonium Compounds, Benryl-C12-16-Alkyldimethyl, Chlorides Ethanol Tetrakis (hydroxymethyl) phosphonium sulphate Acrylic acid terpolymer containing carboxylate phosphonate and sulfonate	7647-14-5 68551-12-2 93-83-4 12125-02-9 64742-47-8 7647-14-5 12125-02-9 93-83-4 12125-02-9 93-83-4 68551-12-2 7732-15-5 64742-47-8 9003-06-9 15827-30-8 69418-26-4 64742-47-8 12125-02-9 93-83-4 55566-30-8 68424-85-1
exslick 930 exslick 953 exslick 957 exslick V996 FRA-2000 (U.S. Well Services) exald 655 NM exslick 922 exslick 922	Friction Reducer Friction Reducer no data available Anionic Friction Reducer Scale Inhibitor no data available Mixture Biocidal product	Hydrotreated Distillate Sodium Chloride Alcohols, C12-16, Exoxylated Oleic Acid Diethanolamide Ammonium Chloride Petroleum Distillate Sodium Chloride Ammonium Chloride M.N-bis (2-hydroxyethyl) oleamide Petroleum Distillate Ammonium Chloride Oleic Acid Diethanolamide Alcohols, C12-16, Exoxylated Water Copolymer of 2-Propenamide Distillates (petroleum), hydotreated light Alcohol Ethoxylate Surfactant Hydrotreated light distillate (petroleum) Propenoic acid, polymer with propenamide Diethylenetriamine penta (methylene phosphonic acid) Copolymer of 2-propenaminde Distillates (petroleum), hydotreated light Alcohol Ethoxylate Surfactant Hydrotreated light distillate (petroleum) Propenoic acid, polymer with propenamide Diethylenetriamine penta (methylene phosphonic acid) Copolymer of 2-propenaminde Distillates (petroleum), hydotreated light Ammonium chloride ((NH4)CI) Oleic Acid Diethnolamide Phosphonium, tetrakis (hydroxymethyl), Sulfate Quaternery ammonium Compounds, Benryl-C12-16-Alkyldimethyl, Chlorides Ethanol Tetrakis (hydroxymethyl) phosphonium sulphate Acrylic acid terpolymer containing carboxylate phosphonate and sulfonate groups	7647-14-5 68551-12-2 93-83-4 64742-47-8 7647-14-5 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64-17-5 55566-30-8 68424-85-1
exslick 930 exslick 953 exslick 957 exslick V996 FRA-2000 (U.S. Well Services) exald 655 NM exslick 922 exslick 922	Friction Reducer Friction Reducer no date available Anionic Friction Reducer Scale Inhibitor no date available Mixture	Hydrotreated Distillate Sodium Chloride Alcohols, C12-16, Exoxylated Oleic Acid Diethanolamide Ammonium Chloride Petroleum Distillate Sodium Chloride Ammonium Chloride N.N-bis [2-hydroxyethyl) oleamide Petroleum Distillate Ammonium Chloride Oleic Acid Diethanolamide Alcohols, C12-16, Exoxylated Water Copolymer of 2-Propenamide Distillates (petroleum), hydotreated light Alcohol Ethoxylate Surfactant Hydrotreated light distillate (petroleum) Propenoic acid, polymer with propenamide Distillates (petroleum), hydotreated light Copolymer of 2-propenaminde Distillates (petroleum), hydotreated light Ammonium chloride ((NH4)CI) Oleic Acid Diethnolamide Phosphonium, tetrakis (hydroxymethyl), Sulfate Quaternary ammonium Compounds, Benryl-C12-16-Alkyldimethyl, Chlorides Ethanol Tetrakis (hydroxymethyl) phosphonium sulphate Acrylic acid terpolymer containing carboxylate phosphonate and sulfonate groups Hydrotreated light petroleum distillate	7647-14-5 68551-12-2 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-6 64742-47-8 12125-02-9 93-83-8 12125-02-9
exslick 930 exslick 953 exslick 957 exslick V996 /FRA-2000 (U.S. Well Services) exslick 922 okcide 4Frac okcide PSS0A	Friction Reducer Friction Reducer no data available Anionic Friction Reducer Scale Inhibitor no data available Mixture Biocidal product	Hydrotreated Distillate Sodium Chloride Alcohols, C12-16, Exoxylated Oleic Acid Diethanolamide Ammonium Chloride Petroleum Distillate Sodium Chloride Ammonium Chloride M.N-bis (2-hydroxyethyl) oleamide Petroleum Distillate Ammonium Chloride Oleic Acid Diethanolamide Alcohols, C12-16, Exoxylated Water Copolymer of 2-Propenamide Distillates (petroleum), hydotreated light Alcohol Ethoxylate Surfactant Hydrotreated light distillate (petroleum) Propenoic acid, polymer with propenamide Diethylenetriamine penta (methylene phosphonic acid) Copolymer of 2-propenaminde Distillates (petroleum), hydotreated light Alcohol Ethoxylate Surfactant Hydrotreated light distillate (petroleum) Propenoic acid, polymer with propenamide Diethylenetriamine penta (methylene phosphonic acid) Copolymer of 2-propenaminde Distillates (petroleum), hydotreated light Ammonium chloride ((NH4)CI) Oleic Acid Diethnolamide Phosphonium, tetrakis (hydroxymethyl), Sulfate Quaternery ammonium Compounds, Benryl-C12-16-Alkyldimethyl, Chlorides Ethanol Tetrakis (hydroxymethyl) phosphonium sulphate Acrylic acid terpolymer containing carboxylate phosphonate and sulfonate groups	7647-14-5 68551-12-2 93-83-4 64742-47-8 7647-14-5 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-83-4 64-17-5 55566-30-8 68424-85-1
exslick 930 exslick 953 exslick 957 exslick V996 /FRA-2000 (U.S. Well Services) exslick 922 okcide 4Frac okcide PSS0A	Friction Reducer Friction Reducer no data available Anionic Friction Reducer Scale Inhibitor no data available Mixture Biocidal product	Hydrotreated Distillate Sodium Chloride Alcohols, C12-16, Exoxylated Oleic Acid Diethanolamide Ammonium Chloride Petroleum Distillate Sodium Chloride Ammonium Chloride Ammonium Chloride N,N-bis (2-hydroxyethyl) oleamide Petroleum Distillate Ammonium Chloride Oleic Acid Diethanolamide Alcohols, C12-16, Exoxylated Water Copolymer of 2-Propeenamide Distillates (petroleum), hydotreated light Alcohol Ethoxylate Surfactant Hydrotreated light distillate (petroleum) Propenoic acid, polymer with propenamide Distillates (petroleum), hydotreated light Ammonium chloride ((NH4)CI) Oleic Acid Diethnolamide Phosphonium, tetrakis (hydroxymethyl), Sulfate Quaternary ammonium Compounds, Benryl-C12-16-Alkyldimethyl, Chlorides Ethanol Tetrakis (hydroxymethyl) phosphonium sulphate Acrylic acid terpolymer containing carboxylate phosphonate and sulfonate groups Hydrotreated light petroleum distillate Ethoxylated alcohol	7647-14-5 68551-12-2 93-83-4 12125-02-9 64742-47-8 7647-14-5 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 68742-47-8 12125-02-9 93-83-4 68742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64-17-5 55566-30-8 68424-85-1
exslick 930 exslick 953 exslick 957 exslick V996 FRA-2000 (U.S. Well Services) exald 655 NM exslick 922 olcide 4Frac olcide PSSOA	Friction Reducer Friction Reducer no data available Anionic Friction Reducer Scale Inhibitor no data available Mixture Biocidal product	Hydrotreated Distillate Sodium Chloride Alcohols, C12-16, Exoxylated Oleic Acid Diethanolamide Ammonium Chloride Petroleum Distillate Sodium Chloride Ammonium Chloride Ammonium Chloride Ammonium Chloride N.N-bis (2-hydroxyethyl) oleamide Petroleum Distillate Ammonium Chloride Oleic Acid Diethanolamide Alcohols, C12-16, Exoxylated Water Copolymer of 2-Propeenamide Distillates (petroleum), hydotreated light Alcohol Ethoxylate Surfactant Hydrotreated light distillate (petroleum) Propenoic acid, polymer with propenamide Distillates (petroleumi, hydotreated light Alcohol Ethoxylate Surfactant Hydrotreated light distillate (petroleum) Propenoic acid, polymer with propenamide Distillates (petroleumi, hydotreated light Ammonium chloride ((NH4)CI) Oleic Acid Diethnolamide Phosphonium, tetrakis (hydroxymethyl), Sulfate Quaternary ammonium Compounds, Benzyl-C12-16-Alkyldimethyl, Chlorides Ethanol Tetrakis (hydroxymethyl) phosphonium sulphate Acrylic acid terpolymer containing carboxylate phosphonate and sulfonate groups Hydrotreated light petroleum distillate' Ethioxylated alcohol Poly (oxy-1.2-ethanediyl) alphatridecylomegahydroxy-, branched	7647-14-5 68551-12-2 93-83-4 12125-02-9 64742-47-8 7647-14-5 12125-02-9 93-83-4 12125-02-9 93-83-4 12125-02-9 93-83-4 68551-12-2 7732-15-5 64742-47-8 9003-06-9 15827-30-8 69418-24-8 12125-02-9 93-83-4 58566-30-8 69418-24-8 12125-02-9 93-83-4 58566-30-8 69418-24-8 12125-02-9 93-83-4 58566-30-8 69418-24-8 12125-02-9 93-83-4 58566-30-8 69418-24-8 12125-02-9 93-83-4 58566-30-8 69418-25-6 64-17-5 55566-30-8 897256-50-7 64742-47-8 Proprietary 69011-36-5
exslick 930 exslick 953 exslick 957 exslick V996 FRA-2000 (U.S. Well Services) exald 655 NM exslick 922 olcide 4Frac olcide PSSOA	Friction Reducer Friction Reducer no data available Anionic Friction Reducer Scale Inhibitor no data available Mixture Biocidal product	Hydrotreated Distillate Sodium Chloride Alcohols, C12-16, Exoxylated Oleic Acid Diethanolamide Ammonium Chloride Petroleum Distillate Sodium Chloride Ammonium Chloride Ammonium Chloride M.N-bis (2-hydroxyethyl) oleamide Petroleum Distillate Ammonium Chloride Oleic Acid Diethanolamide Alcohols, C12-16, Exoxylated Water Copolymer of 2-Propenamide Distillates (petroleum), hydotreated light Alcohol Ethoxylate Surfactant Hydrotreated light distillate (petroleum) Propenoic acid, polymer with propenamide Diethylenetriamine penta (methylene phosphonic acid) Copolymer of 2-propenaminde Distillates (petroleum), hydotreated light Ammonium chloride (NH4)Cl) Oleic Acid Diethnolamide Phosphonium, tetrakis (hydroxymethyl), Sulfate Quaternary ammonium Compounds, Benzyl-C12-16-Alkyldimethyl, Chlorides Ethanol Tetrakis (hydroxymethyl) phosphonium sulphate Acrylic acid terpolymer containing carboxylate phosphonate and sulfonate groups Hydrotreated light petroleum distillate Ethoxylated alcohol Poly (oxy-1.2-ethanediyl) alpha-tridecylomega-hydroxy-, branched Methanol	7647-14-5 68551-12-2 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 15827-30-8 69418-26-4 64742-47-8 12125-02-9 93-83-4 55566-30-8 68424-85-1 64-17-5 55566-30-8 68424-85-1 64-17-5 55566-30-8 68424-47-8 12125-02-9 93-83-4 55566-30-8 68424-85-1 64-17-5 55566-30-8 68424-85-1 69011-36-5 69011-36-5 69011-36-5
exslick 930 exslick 953 exslick 957 exslick V996 FRA-2000 (U.S. Well Services) exald 655 NM exslick 922 okide 4Frac okide PSSOA.	Friction Reducer Friction Reducer no date available Anionic Friction Reducer Scale Inhibitor no date available Mixture Biocidal product Friction Reducer: Scale Control	Hydrotreated Distillate Sodium Chloride Alcohols, C12-16, Exoxylated Oleic Acid Diethanolamide Ammonium Chloride Petroleum Distillate Sodium Chloride Ammonium Chloride N.N-bis [2-hydroxyethyl) oleamide Petroleum Distillate Armonium Chloride Oleic Acid Diethanolamide Alcohols, C12-16, Exoxylated Water Copolymer of 2-Propenamide Distillates (petroleum), hydotreated light Alcohol Ethoxylate Surfactant Hydrotreated light distillate (petroleum) Propenoic acid, polymer with propenamide Distillates (petroleum), hydotreated light Accohol Ethoxylate Surfactant Hydrotreated light distillate (petroleum) Propenoic acid, polymer with propenamide Distillates (petroleum), hydotreated light Ammonium chloride ((NH4)(I)) Oleic Acid Diethnolamide Phosphonium, tetrakis (hydroxymethyl), Sulfate Quaternary ammonium Compounds, Benryl-C12-16-Alkyldimathyl, Chlorides Ethanol Tetrakis (hydroxymethyl) phosphonium sulphate Acrylic acid terpolymer containing carboxylate phosphonate and sulfonate groups Hydrotreated light petroleum distillate Ethoxylated alcohol Poly (oxy-1.2-ethanediyl) alphatridecylomegahydroxy-, branched Methanol Phosphonic Acid Salt	7647-14-5 68551-12-2 93-83-4 64742-47-8 7647-14-5 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-8
exslick 930 exslick 953 exslick 957 exslick V996 FRA-2000 (U.S. Well Services) exald 655 NM exslick 922 okide 4Frac okide PSSOA.	Friction Reducer Friction Reducer no data available Anionic Friction Reducer Scale Inhibitor no data available Mixture Biocidal product	Hydrotreated Distillate Sodium Chloride Alcohols, C12-16, Exoxylated Oleic Acid Diethanolamide Ammonium Chloride Petroleum Distillate Sodium Chloride Ammonium Chloride Ammonium Chloride M.N-bis (2-hydroxyethyl) oleamide Petroleum Distillate Ammonium Chloride Oleic Acid Diethanolamide Alcohols, C12-16, Exoxylated Water Copolymer of 2-Propenamide Distillates (petroleum), hydotreated light Alcohol Ethoxylate Surfactant Hydrotreated light distillate (petroleum) Propenoic acid, polymer with propenamide Diethylenetriamine penta (methylene phosphonic acid) Copolymer of 2-propenaminde Distillates (petroleum), hydotreated light Ammonium chloride (NH4)Cl) Oleic Acid Diethnolamide Phosphonium, tetrakis (hydroxymethyl), Sulfate Quaternary ammonium Compounds, Benzyl-C12-16-Alkyldimethyl, Chlorides Ethanol Tetrakis (hydroxymethyl) phosphonium sulphate Acrylic acid terpolymer containing carboxylate phosphonate and sulfonate groups Hydrotreated light petroleum distillate Ethoxylated alcohol Poly (oxy-1.2-ethanediyl) alpha-tridecylomega-hydroxy-, branched Methanol	7647-14-5 68551-12-2 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 15827-30-8 69418-26-4 64742-47-8 12125-02-9 93-83-4 55566-30-8 68424-85-1 64-17-5 55566-30-8 68424-85-1 64-17-5 55566-30-8 68424-47-8 12125-02-9 93-83-4 55566-30-8 68424-85-1 64-17-5 55566-30-8 68424-85-1 69011-36-5 69011-36-5 69011-36-5
exslick 930 exslick 953 exslick 957 exslick V996 FRA-2000 (U.S. Well Services) exald 555 NM exslick 922 olcide 4Frac olcide PSSOA 0-2950 gend LD-7750W C MX 8-4743	Friction Reducer Friction Reducer no date available Anionic Friction Reducer Scale Inhibitor no date available Mixture Biocidal product Friction Reducer Scale Control Specialty Product	Hydrotreated Distillate Sodium Chloride Alcohols, C12-16, Exoxylated Oleic Acid Diethanolamide Ammonium Chloride Petroleum Distillate Sodium Chloride Ammonium Chloride Ammonium Chloride N.N-bis (2-hydroxyethyl) oleamide Petroleum Distillate Ammonium Chloride Oleic Acid Diethanolamide Alcohols, C12-16, Exoxylated Water Copolymer of 2-Propeenamide Distillates (petroleum), hydotreated light Alcohol Ethoxylate Surfactant Hydrotreated light distillate (petroleum) Propenoic acid, polymer with propenamide Distillates (petroleum), hydotreated light Ammonium chloride ((NH4)CI) Oleic Acid Diethnolamide Phosphonium, tetrakis (hydroxymethyl), Sulfate Quaternary ammonium Compounds, Benryl-C12-16-Alkyldimethyl, Chlorides Ethanol Tetrakis (hydroxymethyl) phosphonium sulphate Acrylic acid terpolymer containing carboxylate phosphonate and sulfonate groups Hydrotreated light petroleum distillate Ethoxylated alcohol Poly (oxy-1.2-ethanediyl) siphatridecylomegahydroxy-, branched Methanol Phosphonic Acid Salt Sodium Nitrate	7647-14-5 68551-12-2 93-83-4 12125-02-9 64742-47-8 7647-14-5 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 68742-47-8 12125-02-9 93-83-4 68742-47-8 12125-02-9 93-83-4 68742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64-17-5 65566-30-8 68424-85-1
exslick 930 exslick 953 exslick 957 exslick V996 FRA-2000 (U.S. Well Services) exald 655 NM exslick 922 clicide 4Frac clicide P550A 0-2950 gend LD-7750W C MX 8-4743 proplex 80	Friction Reducer Friction Reducer no data available Anionic Friction Reducer Scale Inhibitor no data available Mixture Biocidal product Friction Reducer Scale Control Specialty Product Iron Control	Hydrotreated Distillate Sodium Chloride Alcohols, C12-16, Exoxylated Oleic Acid Diethanolamide Ammonium Chloride Petroleum Distillate Sodium Chloride Ammonium Chloride Ammonium Chloride Ammonium Chloride N.N-bis (2-hydroxyethyl) oleamide Petroleum Distillate Ammonium Chloride Oleic Acid Diethanolamide Alcohols, C12-16, Exoxylated Water Copolymer of 2-Propeenamide Distillates (petroleum), hydotreated light Alcohol Ethoxylate Surfactant Hydrotreated light distillate (petroleum) Propenoic acid, polymer with propenamide Distillates (petroleumi, hydotreated light Alcohol Ethoxylate Surfactant Hydrotreated light distillate (petroleum) Propenoic acid, polymer with propenamide Distillates (petroleumi, hydotreated light Ammonium chloride ((NH4)CI) Oleic Acid Diethnolamide Phosphonium, tetrakis (hydroxymethyl), Sulfate Quaternary ammonium Compounds, Bentyl-C12-16-Alkyldimethyl, Chlorides Ethanol Tetrakis (hydroxymethyl) phosphonium sulphate Acrylic acid terpolymer containing carboxylate phosphonate and sulfonate groups Hydrotreated light petroleum distillate Ethoxylated alcohol Poly (oxy-1_2-ethanediyl) siphatridecylomegahydroxy-, branched Methanol Phosphonic Acid Salt Sodium Nitrate Sodium erythorbate	7647-14-5 68551-12-2 93-83-4 64742-47-8 7547-14-5 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 65566-30-8 68424-85-1 64-17-5 55566-30-8 68424-47-8 197256-50-7 64742-47-8
exslick 930 exslick 953 exslick 957 exslick V996 ERA-2000 (U.S. Well Services) exald 655 NM exslick 922 lcide 4Frac lcide PS50A -2950 gend LD-7750W C MX 8-4743 rriplex 80	Friction Reducer Friction Reducer no date available Anionic Friction Reducer Scale Inhibitor no date available Mixture Biocidal product Friction Reducer Scale Control Specialty Product	Hydrotreated Distillate Sodium Chloride Alcohols, C12-16, Exoxylated Oleic Acid Diethanolamide Ammonium Chloride Petroleum Distillate Sodium Chloride Ammonium Chloride Ammonium Chloride M.N-bis (2-hydroxyethyl) oleamide Petroleum Distillate Ammonium Chloride Oleic Acid Diethanolamide Alcohols, C12-16, Exoxylated Water Copolymer of 2-Propenamide Distillates (petroleum), hydotreated light Alcohol Ethoxylate Surfactant Hydrotreated light distillate (petroleum) Propenoic acid, polymer with propenamide Diethylenetriamine penta (methylene phosphonic acid) Copolymer of 2-propenaminde Distillates (petroleum), hydotreated light Ammonium chloride ((NH4)Cl) Oleic Acid Diethnolamide Phosphonium, tetrakis (hydroxymethyl), Sulfate Quaternary ammonium Compounds, Benzyl-C12-16-Alkyldimethyl, Chlorides Ethanol Tetrakis (hydroxymethyl) phosphonium sulphate Acrylic acid terpolymer containing carboxylate phosphonate and sulfonate groups Hydrotreated light petroleum distillate Ethoxylated alcohol Poly (oxy-1.2-ethanediyl) sipha-tridecylomega-hydroxy-, branched Methanol Phosphonic Acid Salt Sodium Nitrate Sodium erythorbate Giycerine	7647-14-5 68551-12-2 93-83-4 64742-47-8 7647-14-5 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-8 12125-02-9 93-83-8 12125-02-9 93-83-8 12125-02-9 93-83-8 12125-02-9 93-83-8 12125-02-9 93-83-8 12125-02-9 93-83-8 12125-02-9 93-83-8 12125-02-9 93-83-8 12125-02-9 93-83-8 12125-02-9 93-83-8 12125-03-8 68424-85-1 64-17-5 55566-30-8 68424-85-1 64-17-5 7556-30-8 68424-87-8 Proprietary 7631-99-4 6381-77-7 67-56-1
exslick 930 exslick 953 exslick 957 exslick V996 /FRA-2000 (U.S. Well Services)	Friction Reducer Friction Reducer no data available Anionic Friction Reducer Scale Inhibitor no data available Mixture Biocidal product Friction Reducer Scale Control Specialty Product Iron Control	Hydrotreated Distillate Sodium Chloride Alcohols, C12-16, Exoxylated Oleic Acid Diethanolamide Ammonium Chloride Petroleum Distillate Sodium Chloride Ammonium Chloride Ammonium Chloride Ammonium Chloride N.N-bis (2-hydroxyethyl) oleamide Petroleum Distillate Ammonium Chloride Oleic Acid Diethanolamide Alcohols, C12-16, Exoxylated Water Copolymer of 2-Propeenamide Distillates (petroleum), hydotreated light Alcohol Ethoxylate Surfactant Hydrotreated light distillate (petroleum) Propenoic acid, polymer with propenamide Distillates (petroleumi, hydotreated light Alcohol Ethoxylate Surfactant Hydrotreated light distillate (petroleum) Propenoic acid, polymer with propenamide Distillates (petroleumi, hydotreated light Ammonium chloride ((NH4)CI) Oleic Acid Diethnolamide Phosphonium, tetrakis (hydroxymethyl), Sulfate Quaternary ammonium Compounds, Bentyl-C12-16-Alkyldimethyl, Chlorides Ethanol Tetrakis (hydroxymethyl) phosphonium sulphate Acrylic acid terpolymer containing carboxylate phosphonate and sulfonate groups Hydrotreated light petroleum distillate Ethoxylated alcohol Poly (oxy-1_2-ethanediyl) siphatridecylomegahydroxy-, branched Methanol Phosphonic Acid Salt Sodium Nitrate Sodium erythorbate	7647-14-5 68551-12-2 93-83-4 64742-47-8 7547-14-5 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 64742-47-8 12125-02-9 93-83-4 65566-30-8 68424-85-1 64-17-5 55566-30-8 68424-47-8 197256-50-7 64742-47-8

OPERATOR: SWN Production Co., LLC	WELL NO: William Ritchea WTZ 210H
PAD NAME: William Ritchea WTZ	
REVIEWED BY:	_ SIGNATURE: BULLLULLY WOODLY
WELL RESTRICTION	ONS CHECKLIST
HORIZONTA	
Well Restrictions	*Pad Buil+ 7/22/13
At Least 100 Feet from Pad and LOD (Perennial Stream, Lake, Pond, Reservo	including any E&S Control Feature) to any ir or Wetland; OR
DEP Waiver and Permit Condition	ons
At Least 300 Feet from Pad and LOD (Naturally Producing Trout Stream; OR	including any E&S Control Feature) to any
DEP Waiver and Permit Condition	ons
At Least 1000 Feet from Pad and LOD Groundwater Intake or Public Water Su	(including any E&S Control Feature) to any apply; OR
DEP Waiver and Permit Condition	ions
At Least 250 Feet from an Existing War Drilled; OR	ter Well or Developed Spring to Well Being
Surface Owner Waiver and Reco	orded with County Clerk, OR
DEP Variance and Permit Cond	litions
At Least 625 Feet from an Occupied Do	welling Structure to Center of the Pad; OR
Surface Owner Waiver and Reco	orded with County Clerk, OR
DEP Variance and Permit Cond	litions
At Least 625 Feet from Agricultural Bu of the Pad; OR	uildings Larger than 2500 Square Feet to the Center
Surface Owner Waiver and Reco	orded with County Clerk, OR
DEP Variance and Permit Cond	litions

SHEET INDEX 151. TITE SHEET 152.1 EVACUATION ROUTE/ PREVAIUNG WIND 152.2 EVACUATION ROUTE/ PREVAIUNG WIND

PROCTOR DISTRICT, WETZEL COUNTY, WV CONSTRUCTION AND RECLAMATION PLAN WILLIAM RITCHEA WTZ PAD AS-BUILT

APRIL 2018

Ric

ACCESS ROAD ENTRANCE

CRID NORTH UNDER 17, US FT

ASS.1 ASBULT DAFFNEW
ASS.2 ASBULT
ASS.4 ASBULT
ASS.4 SCHULT
ASS.4 SCHULT
ASS.5 CRULT
ASS.5 CRULT
ASS.5 CRULT
ASS.6 CRULT
ASS.6 CRUCT
ASS.6 CRULT
ASS.6

007

EXISTING WELLS:
WILLIAM RITCHEA 1H
API:47-103-03128H

COORDINATES: SITE ENTRANCE

3

LOCATION

0

(NAD83) LAT: 39.669602 LONG: 80.659388

LAT. 39.670804 LONG: 80.663337

(NAD83)

AT RITCHEA PAD (NAD83)

STATE OF	DISTURBED	AREA:	12.2	ACRES
ROAD	DISTURBED	AREA:	3.2	ACRES
PAD	DISTURBED	AREA:	9.0	ACRES

WELL SITE PAD DATA (DRILLING)

WETALL STANDARD SUMP

TONE FOR PAD AREA

WILLIAM RITCHEA 3H API:47-103-03129H

DATE	
REVISION	



NOT to

HOPE CULVERT FOR STAGING AREA

RADE ROAD & STAGING AREA * 3" AGGREGATE (POTHOLES)

RUSHER RUM

TONE FOR STAGING ANEA

API:47-103-03141H

(NAD83) LAT 39.670678 LONG: 80.663452

LONG: 80,658999

(NAD83)

LOCATION -PROJECT

UTM, NADBS DATUM, ZONE 17, US FT

DOM:

LONG 80.659438

(NADB.3)

10N TOP: 2

40 40 90

ACCESS ROAD DATA (DRILLING)

5 č 2

RADE TO ELIMINATE STANDING WATER

250

SEED IS MUICH (BEINNE)

API-47-103-03130H

(NADB.3) UAT 39.669560 ONC. 80.659179 GATHERING AREA

CENTER OF PAD

CEPAIN MERM REPAUR RAMIN

LONG: 80.659338

(NADB3)

LATI 39,669954 LONG: 80,659848

0

1000

EA

WELL SITE PAD DATA (RECLAMATION)	ECLAMATION	
REMOVE SUMP		5
ВВЕАСН ВЕПУ	7	EA
DISCHARGE CHANNELLS!		
RIPRAP	180	TON
CIN		
EROSION CONTROL PABRIC	200	15
SPREAD TOPSOIL	2,500	ō
REINFORCED SILT FENCE	1,800	H
SEED & MULCH	15,600	15

Updated 4/17/2023

1

MYE

POARK

MCON.

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WVDEP ODG

PREAD TOPSOIL	2,600	Ö
SINFORCED SILT FENCE	1,800	E
ED & MUICH	15,600	15

Production CompanyTM

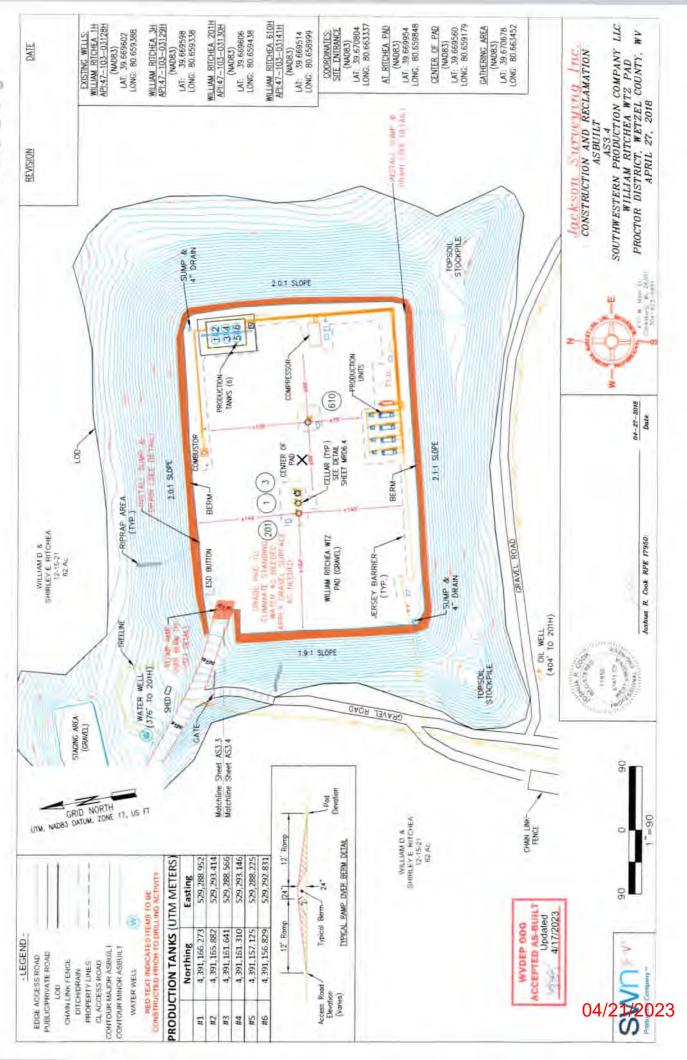


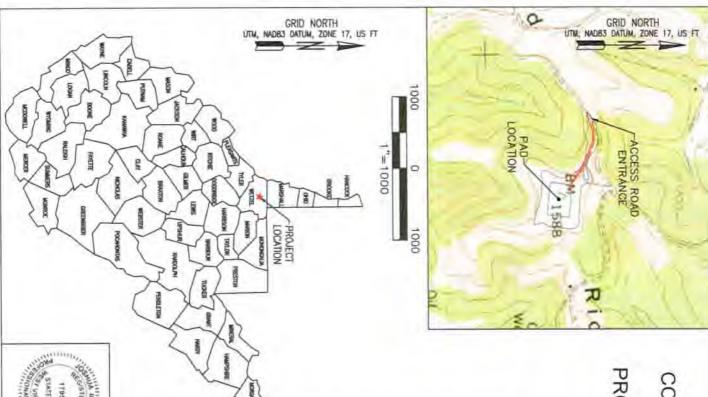
SOUTHWESTERN PRODUCTION COMPANY LLC.
WILLIAM RITCHEA WTZ PAD
PROCTOR DISTRICT, WETZEL COUNTY, WY
APRIL 27, 2018 Jackson Surveying Inc. TITLE SHEET

04-27-2016 Date

Joshua R. Cook RPE 17950

04/21/2023





PROCTOR DISTRICT, WETZEL COUNTY, WV CONSTRUCTION AND RECLAMATION PLAN WILLIAM RITCHEA WTZ PAD **APRIL 2018** AS-BUILT

SHEET INDEX
TS1. TITLE SHEET

EP2.1 EVACUATION ROUTE/ PREVAILING COO
EP2.2 EVACUATION ROUTE/ PREVAILING COO
AS3.1 ASBUILT OVERVIEW
AS3.2 ASBUILT
AS3.4 ASBUI

(NADB3) LAT: 39,669954 LONG: 80,659848 COORDINATES: SITE ENTRANCE (NADB3) LAT: 39.870804 LONG: 80.863337 (NAD83) LAT: 39.670678 LONG: 80.663452 (NAD83) LAT: 39.669560 LONG: 80.659179 AT RITCHEA PAD GATHERING AREA CENTER OF PAD WILLIAM RITCHEA 610H API:47-103-03141H EXISTING WELLS: WILLIAM RITCHEA 1H API:47-103-03128H WILLIAM RITCHEA 201H API:47-103-03130H (NADB3) LAT: 39.669602 LONG: 80.659388 (NAD83) LAT: 39.669606 LONG: 80.659438 WILLIAM RITCHEA 3H API:47-103-03129H (NAD83) LAT: 39.669514 LONG: 80.658999 LONG: 80.659338 (NADB3)

ACRES	3.2	AREA:	DISTURBED	ROAD
ACRES	12.2	AREA:	DISTURBED	ATOTAL

100

MRD5.4 RECLAMATION PLAN MRD6.3 DETAILS MRD6.4 DETAILS

MRD5.1 RECLAMATION PLAN MRD5.2 RECLAMATION PLAN MRD5.3 RECLAMATION PLAN

ENGINEERING ESTIMATE OF QUANTITIES	OF QUAN	TITIES
WELL SITE PAD DATA (DRILLING)	RILLING)	
INSTALL STANDARD SUMP	2	EA.
STONE FOR PAD AREA	100	TON
GRADE TO ELIMINATE STANDING WATER	1	R
REPAIR BERM	1	15
SEED & MULCH (BERMS)	250	SY
REPAIR RAMP	1.	5
ACCESS ROAD DATA (DRILLING)	RILLING)	
2"-3" AGGREGATE (POTHOUS)	40	NOI
CRUSHER RUN	40	NOT
GRADE ROAD & STAGING AREA	1	ıs
STONE FOR STAGING AREA	40	NOT
15" HOPE CULVERT FOR STAGING AREA	60	11
WELL SITE PAD DATA (RECLAMATION)	NOITAMAL	
REMOVE SUMP	4	EA
BREACH BERM	4	EA
DISCHARGE CHANNEL(S)		
RIPRAP	180	TON
OR		
EROSION CONTROL FABRIC	200	SY
SPREAD TOPSOIL	2,600	Q
REINFORCED SILT FENCE	1,800	FT
SEED & MULCH	15,600	SY

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lackson Surveying Inc. TITLE SHEET

SOUTHWESTERN PRODUCTION COMPANY LLC.
WILLIAM RITCHEA WTZ PAD
PROCTOR DISTRICT, WETZEL COUNTY, WV
APRIL 27, 2018

Joshus R. Cook RPE 17960:

Duto:

577 W. Main St. Clarksburg, Wv 26301 304-623-5851

